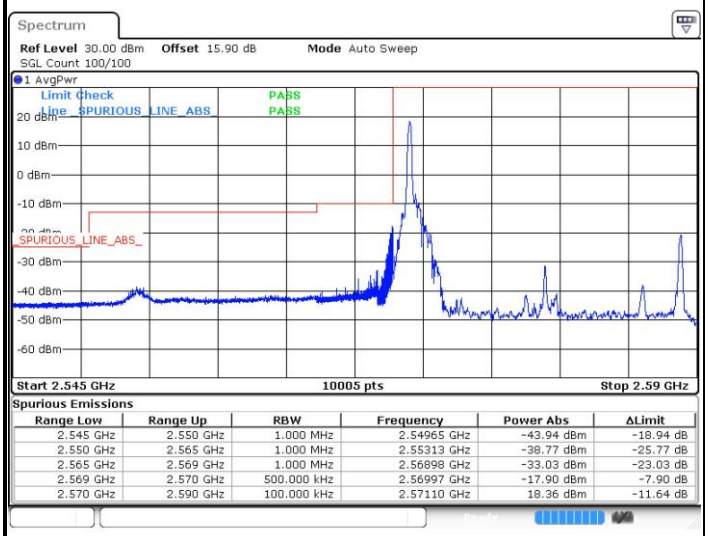
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

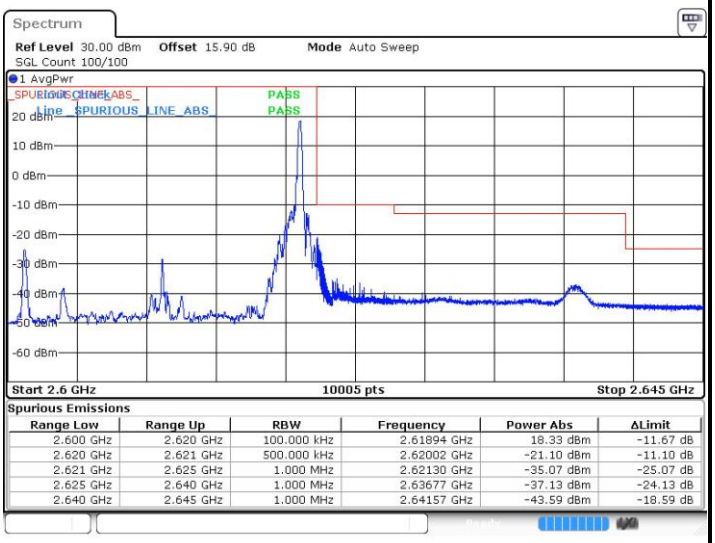


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54965 GHz	-43.94 dBm	-18.94 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.55313 GHz	-38.77 dBm	-25.77 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56898 GHz	-33.03 dBm	-23.03 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.56997 GHz	-17.90 dBm	-7.90 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.57110 GHz	18.36 dBm	-11.64 dB

Date: 13.JUN.2018 15:15:05

Highest Band Edge / 1 RB

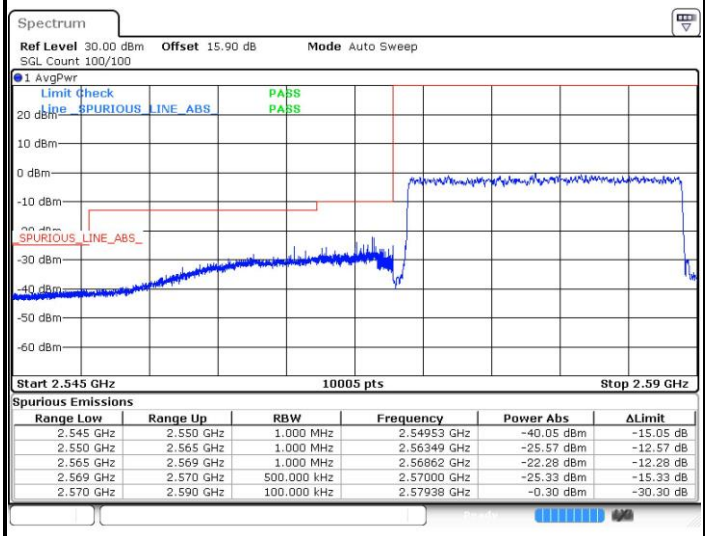


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.620 GHz	100.000 kHz	2.61894 GHz	18.33 dBm	-11.67 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62002 GHz	-21.10 dBm	-11.10 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62130 GHz	-35.07 dBm	-25.07 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.63677 GHz	-37.13 dBm	-24.13 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64157 GHz	-43.59 dBm	-18.59 dB

Date: 13.JUN.2018 15:18:35

Lowest Band Edge / Full RB

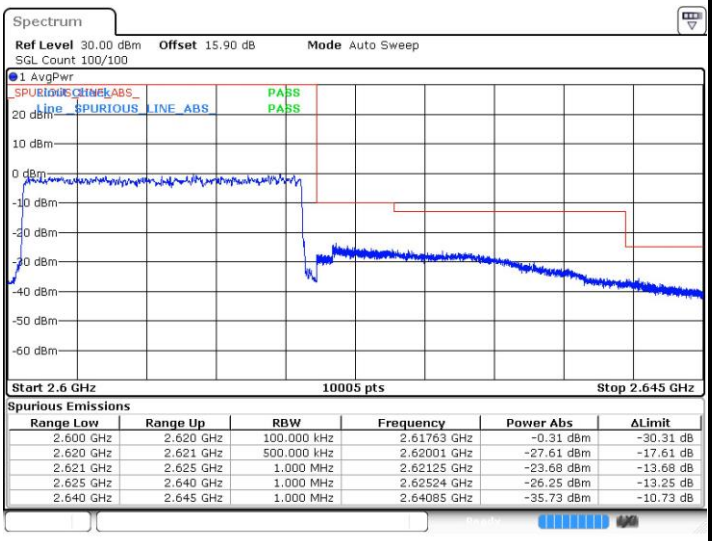


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54953 GHz	-40.05 dBm	-15.05 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.56349 GHz	-25.57 dBm	-12.57 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56862 GHz	-22.28 dBm	-12.28 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-25.33 dBm	-15.33 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.57938 GHz	-0.30 dBm	-30.30 dB

Date: 13.JUN.2018 15:16:15

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	2.61763 GHz	-0.31 dBm	-30.31 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62001 GHz	-27.61 dBm	-17.61 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62125 GHz	-23.68 dBm	-13.68 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.62524 GHz	-26.25 dBm	-13.25 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64085 GHz	-35.73 dBm	-10.73 dB

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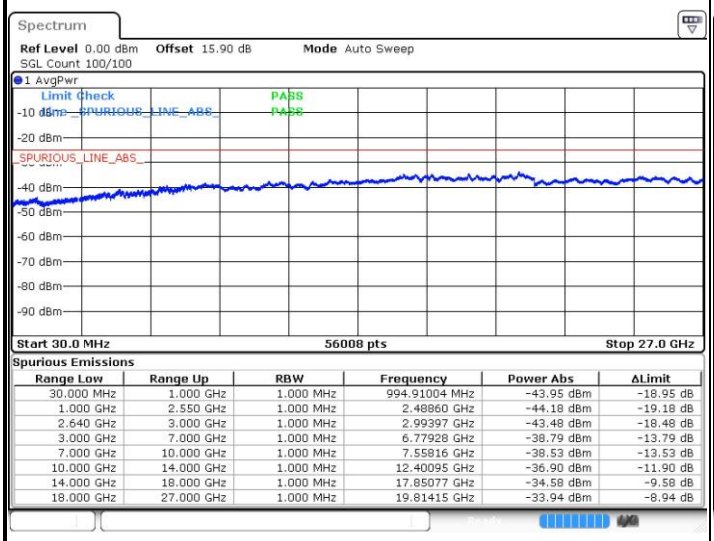
Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

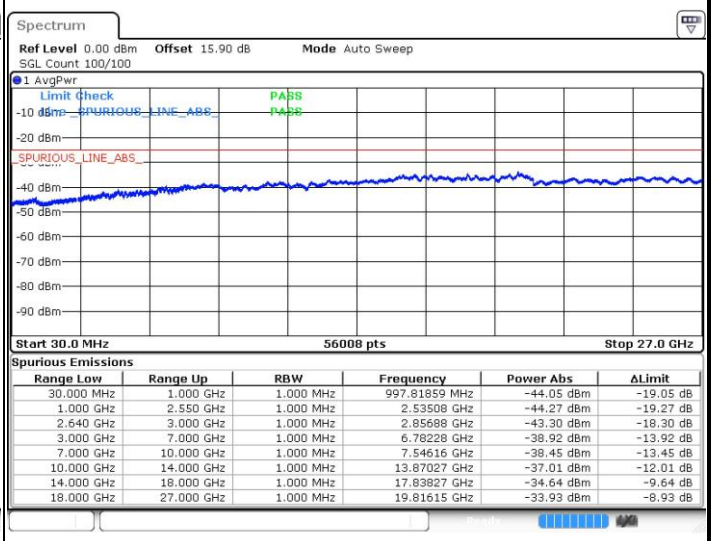


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-43.95 dBm	-18.95 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48860 GHz	-44.18 dBm	-19.18 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99397 GHz	-43.48 dBm	-18.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77928 GHz	-38.79 dBm	-13.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55816 GHz	-38.53 dBm	-13.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.40095 GHz	-36.90 dBm	-11.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85077 GHz	-34.58 dBm	-9.58 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81415 GHz	-33.94 dBm	-8.94 dB

Date: 13.JUN.2018 15:30:26

Lowest Channel / 16QAM

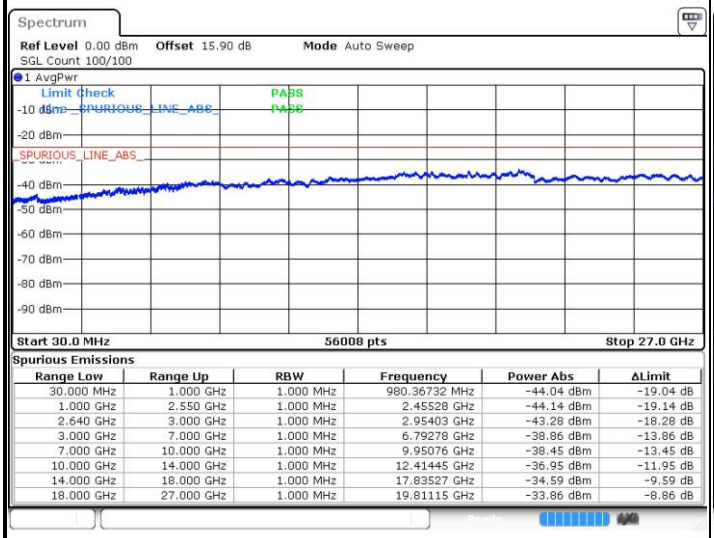


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-44.05 dBm	-19.05 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53508 GHz	-44.27 dBm	-19.27 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.85688 GHz	-43.30 dBm	-18.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78228 GHz	-38.92 dBm	-13.92 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54616 GHz	-38.45 dBm	-13.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.87027 GHz	-37.01 dBm	-12.01 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83827 GHz	-34.64 dBm	-9.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81615 GHz	-33.93 dBm	-8.93 dB

Date: 13.JUN.2018 15:31:21

Middle Channel / QPSK

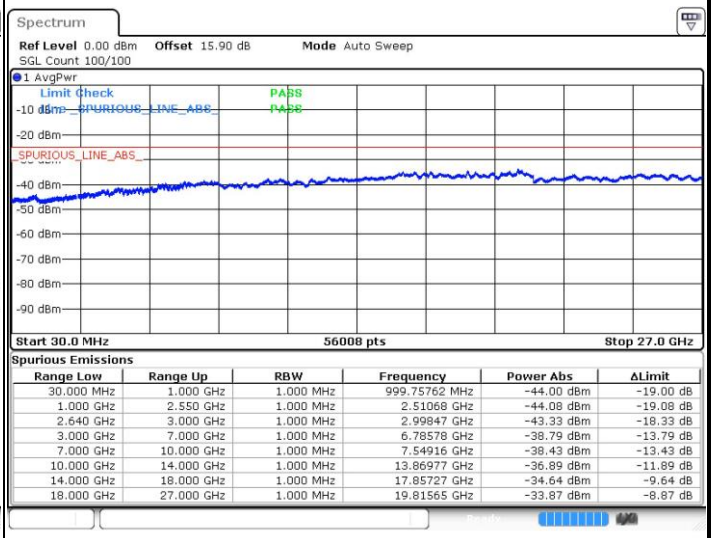


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.36732 MHz	-44.04 dBm	-19.04 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.45528 GHz	-44.14 dBm	-19.14 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.95403 GHz	-43.28 dBm	-18.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79278 GHz	-38.86 dBm	-13.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95076 GHz	-38.45 dBm	-13.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.41445 GHz	-36.95 dBm	-11.95 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83527 GHz	-34.59 dBm	-9.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81115 GHz	-33.86 dBm	-8.86 dB

Date: 13.JUN.2018 15:32:16

Middle 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	-44.00 dBm	-19.00 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51068 GHz	-44.08 dBm	-19.08 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99847 GHz	-43.33 dBm	-18.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78578 GHz	-38.79 dBm	-13.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54916 GHz	-38.43 dBm	-13.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.86977 GHz	-36.89 dBm	-11.89 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85727 GHz	-34.64 dBm	-9.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81565 GHz	-33.87 dBm	-8.87 dB

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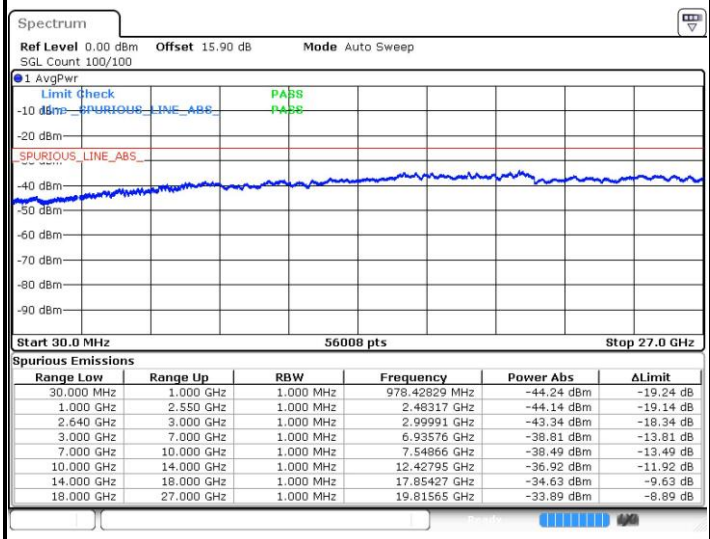
LTE Band 38 / 5MHz

Highest Channel / QPSK

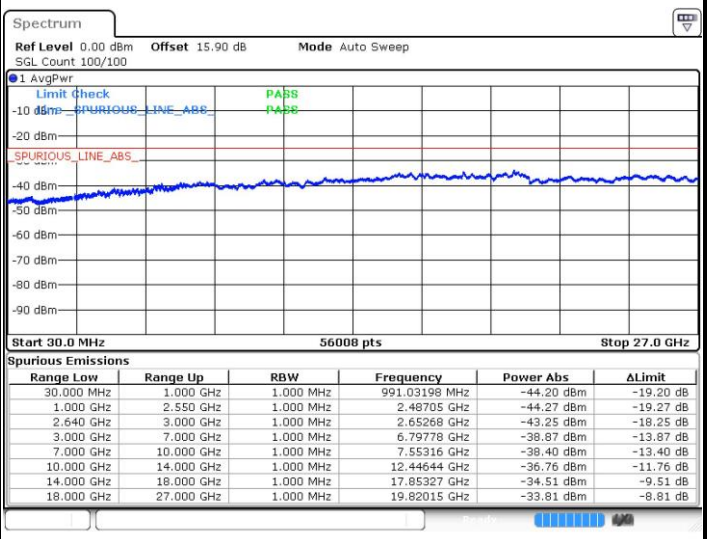


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-44.24 dBm	-19.24 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48317 GHz	-44.14 dBm	-19.14 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99991 GHz	-43.34 dBm	-18.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93576 GHz	-38.81 dBm	-13.81 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54866 GHz	-38.49 dBm	-13.49 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42795 GHz	-36.92 dBm	-11.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85427 GHz	-34.63 dBm	-9.63 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81565 GHz	-33.89 dBm	-8.89 dB

Date: 13.JUN.2018 15:34:05

Highest Channel / 16QAM



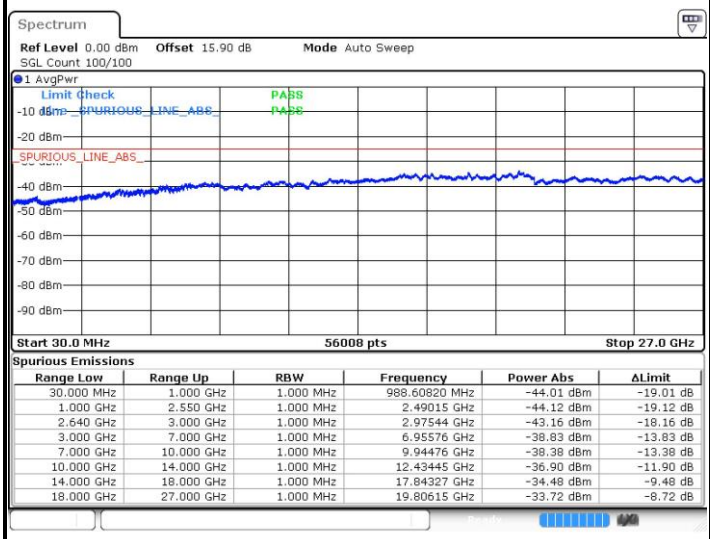
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-44.20 dBm	-19.20 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48705 GHz	-44.27 dBm	-19.27 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.65268 GHz	-43.25 dBm	-18.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-38.87 dBm	-13.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55316 GHz	-38.40 dBm	-13.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44644 GHz	-36.76 dBm	-11.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85327 GHz	-34.51 dBm	-9.51 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82015 GHz	-33.81 dBm	-8.81 dB

Date: 13.JUN.2018 15:35:00

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	988.60820 MHz	-44.01 dBm	-19.01 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49015 GHz	-44.12 dBm	-19.12 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97544 GHz	-43.16 dBm	-18.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95576 GHz	-38.83 dBm	-13.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94476 GHz	-38.38 dBm	-13.38 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43445 GHz	-36.90 dBm	-11.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84327 GHz	-34.48 dBm	-9.48 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80615 GHz	-33.72 dBm	-8.72 dB

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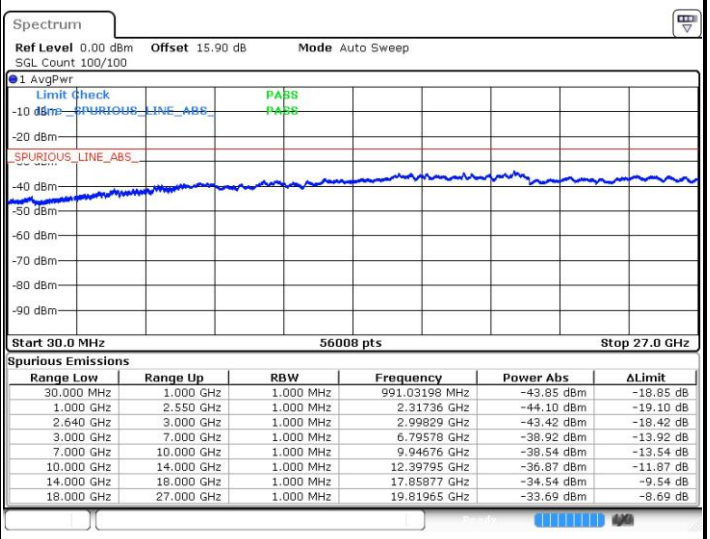
Lowest Channel / 16QAM



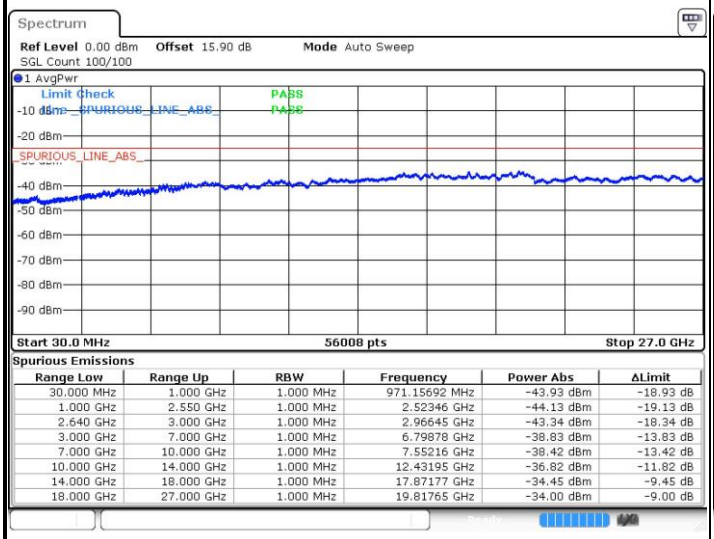
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-43.85 dBm	-18.85 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.31736 GHz	-44.10 dBm	-19.10 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99829 GHz	-43.42 dBm	-18.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79578 GHz	-38.92 dBm	-13.92 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-38.54 dBm	-13.54 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.39795 GHz	-36.87 dBm	-11.87 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85877 GHz	-34.54 dBm	-9.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81965 GHz	-33.69 dBm	-8.69 dB

Date: 13.JUN.2018 15:36:49

LTE Band 38 / 10MHz

Middle Channel / QPSK

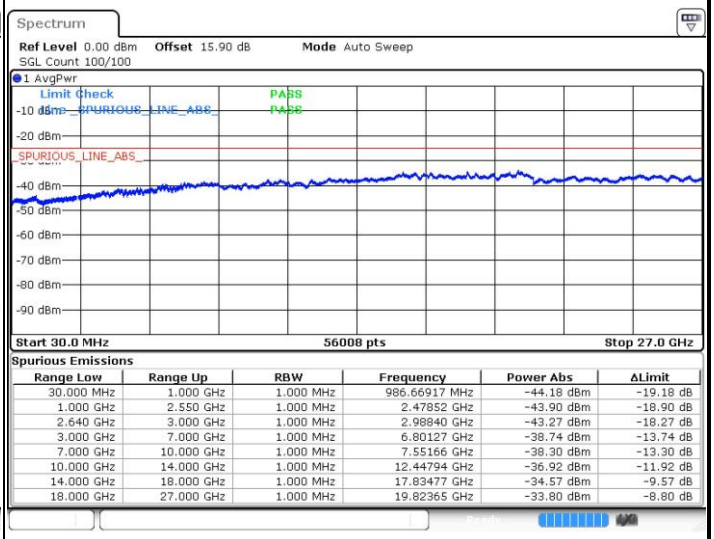


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-43.93 dBm	-18.93 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.52346 GHz	-44.13 dBm	-19.13 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.96645 GHz	-43.34 dBm	-18.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79878 GHz	-38.83 dBm	-13.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55216 GHz	-38.42 dBm	-13.42 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43195 GHz	-36.82 dBm	-11.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.87177 GHz	-34.45 dBm	-9.45 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81765 GHz	-34.00 dBm	-9.00 dB

Date: 13.JUN.2018 15:37:44

Middle Channel / 16QAM

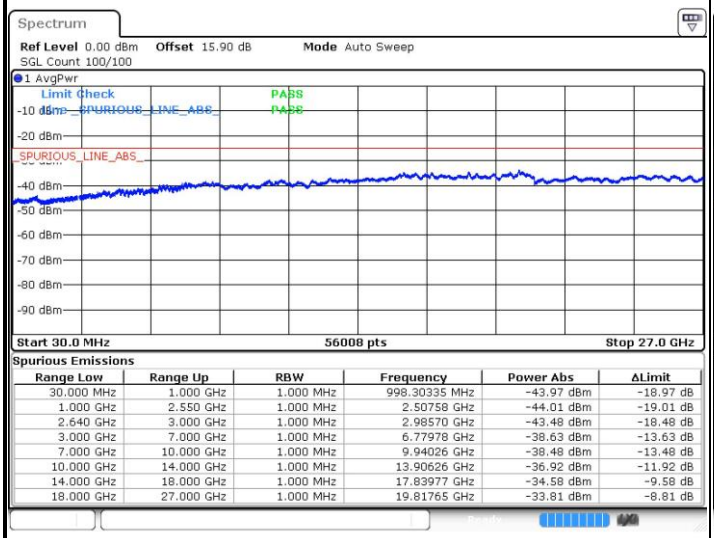


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.66917 MHz	-44.18 dBm	-19.18 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.47852 GHz	-43.90 dBm	-18.90 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98840 GHz	-43.27 dBm	-18.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80127 GHz	-38.74 dBm	-13.74 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55166 GHz	-38.30 dBm	-13.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44794 GHz	-36.92 dBm	-11.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83477 GHz	-34.57 dBm	-9.57 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82365 GHz	-33.80 dBm	-8.80 dB

Date: 13.JUN.2018 15:38:39

Highest Channel / QPSK

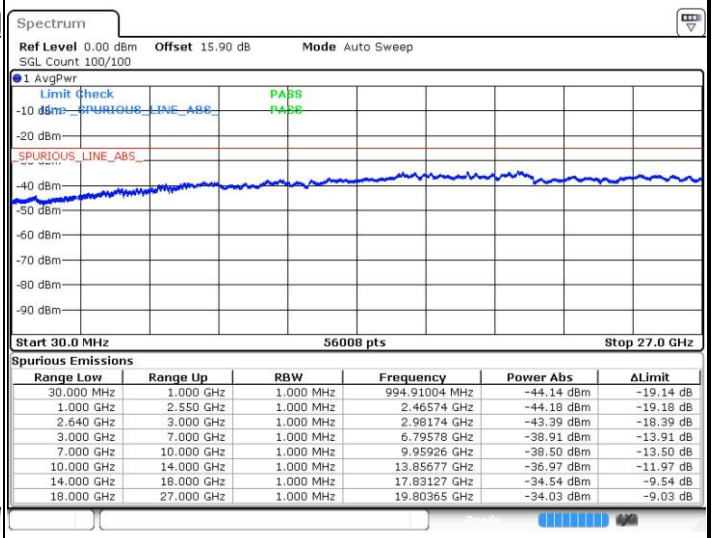


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-43.97 dBm	-18.97 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50758 GHz	-44.01 dBm	-19.01 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98570 GHz	-43.48 dBm	-18.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77978 GHz	-38.63 dBm	-13.63 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94026 GHz	-38.48 dBm	-13.48 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90626 GHz	-36.92 dBm	-11.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83977 GHz	-34.58 dBm	-9.58 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81765 GHz	-33.81 dBm	-8.81 dB

Date: 13.JUN.2018 15:39:33

Highest Channel / 16QAM



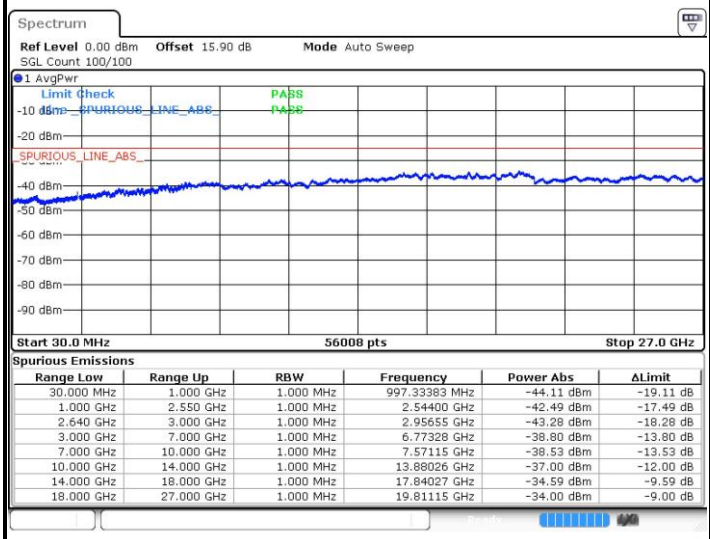
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-44.14 dBm	-19.14 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.46574 GHz	-44.18 dBm	-19.18 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98174 GHz	-43.39 dBm	-18.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79578 GHz	-38.91 dBm	-13.91 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95926 GHz	-38.50 dBm	-13.50 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.85677 GHz	-36.97 dBm	-11.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83127 GHz	-34.54 dBm	-9.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80365 GHz	-34.03 dBm	-9.03 dB

Date: 13.JUN.2018 15:40:28

LTE Band 38 / 15MHz

Lowest Channel / QPSK

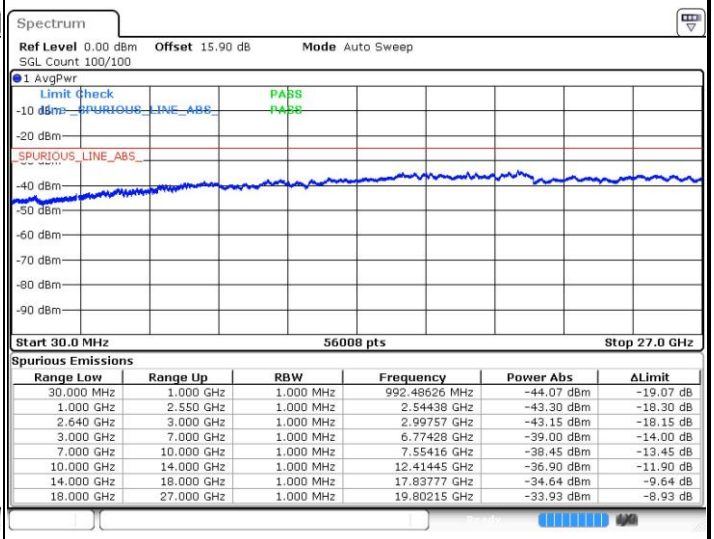


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-44.11 dBm	-19.11 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54400 GHz	-42.49 dBm	-17.49 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.95655 GHz	-43.28 dBm	-18.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77328 GHz	-38.80 dBm	-13.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.57115 GHz	-38.53 dBm	-13.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88026 GHz	-37.00 dBm	-12.00 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84027 GHz	-34.59 dBm	-9.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81115 GHz	-34.00 dBm	-9.00 dB

Date: 13.JUN.2018 15:41:23

Lowest Channel / 16QAM

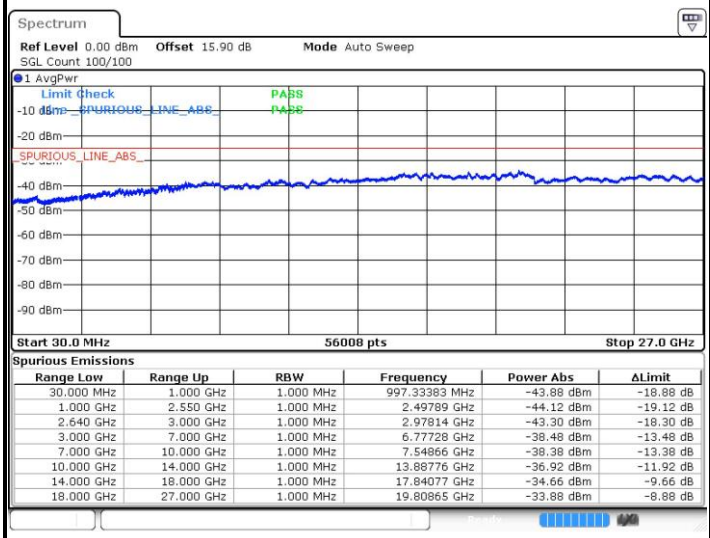


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-44.07 dBm	-19.07 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54438 GHz	-43.30 dBm	-18.30 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99757 GHz	-43.15 dBm	-18.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77428 GHz	-39.00 dBm	-14.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55416 GHz	-38.45 dBm	-13.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.41445 GHz	-36.90 dBm	-11.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83777 GHz	-34.64 dBm	-9.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80215 GHz	-33.93 dBm	-8.93 dB

Date: 13.JUN.2018 15:42:17

Middle Channel / QPSK

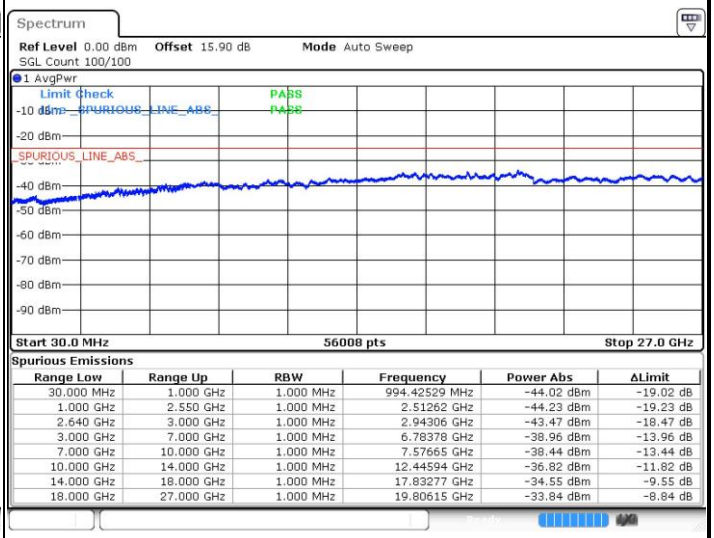


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-43.88 dBm	-18.88 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49789 GHz	-44.12 dBm	-19.12 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97814 GHz	-43.30 dBm	-18.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77728 GHz	-38.48 dBm	-13.48 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54866 GHz	-38.38 dBm	-13.38 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88776 GHz	-36.92 dBm	-11.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84077 GHz	-34.66 dBm	-9.66 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80865 GHz	-33.88 dBm	-8.88 dB

Date: 13.JUN.2018 15:43:12

Middle Channel / 16QAM



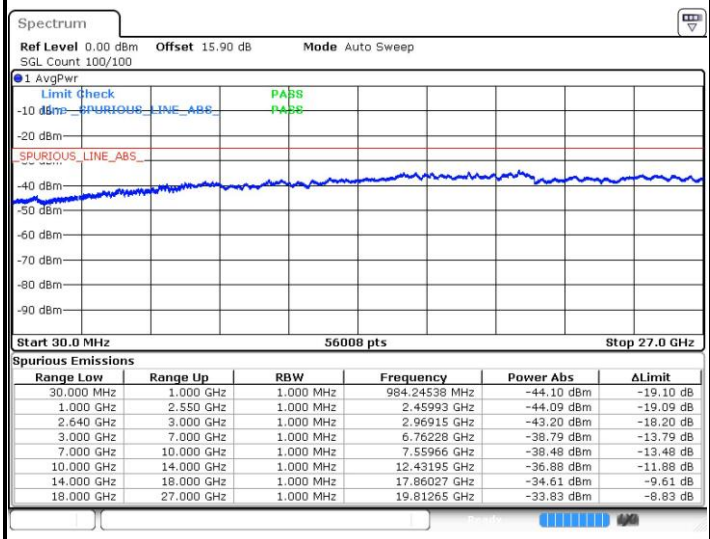
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-44.02 dBm	-19.02 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51262 GHz	-44.23 dBm	-19.23 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.94306 GHz	-43.47 dBm	-18.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78378 GHz	-38.96 dBm	-13.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.57665 GHz	-38.44 dBm	-13.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44594 GHz	-36.82 dBm	-11.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83277 GHz	-34.55 dBm	-9.55 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80615 GHz	-33.84 dBm	-8.84 dB

Date: 13.JUN.2018 15:44:07

LTE Band 38 / 15MHz

Highest Channel / QPSK

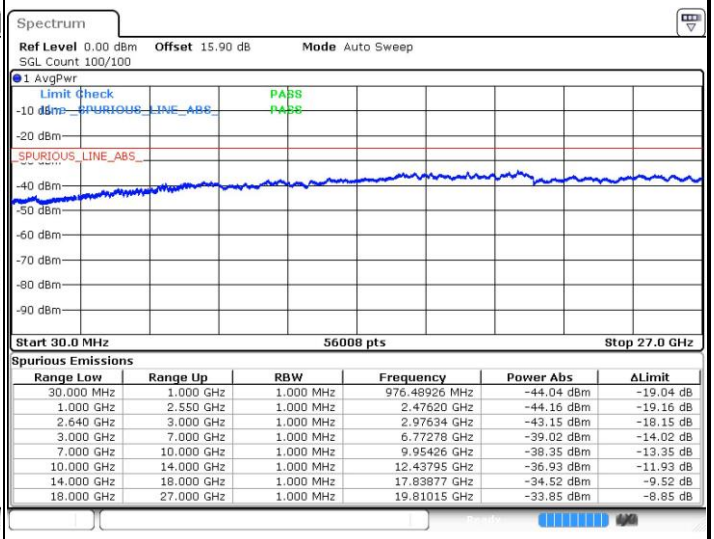


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.24538 MHz	-44.10 dBm	-19.10 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.45993 GHz	-44.09 dBm	-19.09 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.96915 GHz	-43.20 dBm	-18.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76228 GHz	-38.79 dBm	-13.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55966 GHz	-38.48 dBm	-13.48 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43195 GHz	-36.88 dBm	-11.88 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.86027 GHz	-34.61 dBm	-9.61 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81265 GHz	-33.83 dBm	-8.83 dB

Date: 13.JUN.2018 15:45:01

Highest Channel / 16QAM



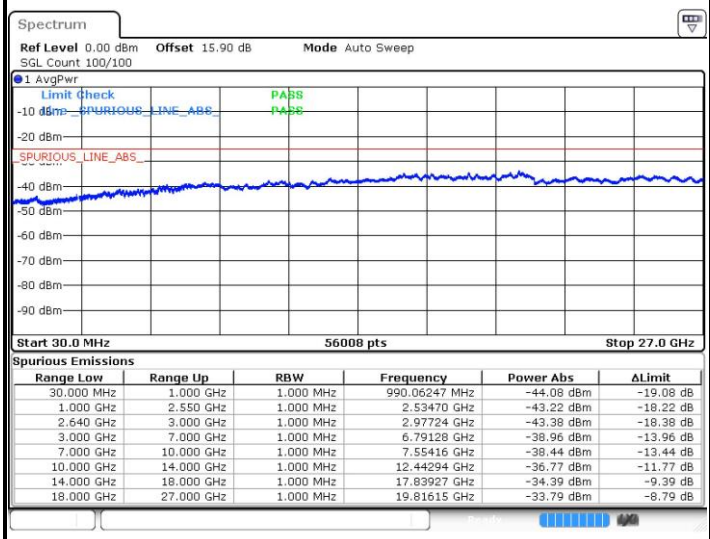
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-44.04 dBm	-19.04 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.47620 GHz	-44.16 dBm	-19.16 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97634 GHz	-43.15 dBm	-18.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77278 GHz	-39.02 dBm	-14.02 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95426 GHz	-38.35 dBm	-13.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43795 GHz	-36.93 dBm	-11.93 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83877 GHz	-34.52 dBm	-9.52 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81015 GHz	-33.85 dBm	-8.85 dB

Date: 13.JUN.2018 15:45:56

LTE Band 38 / 20MHz

Lowest Channel / QPSK

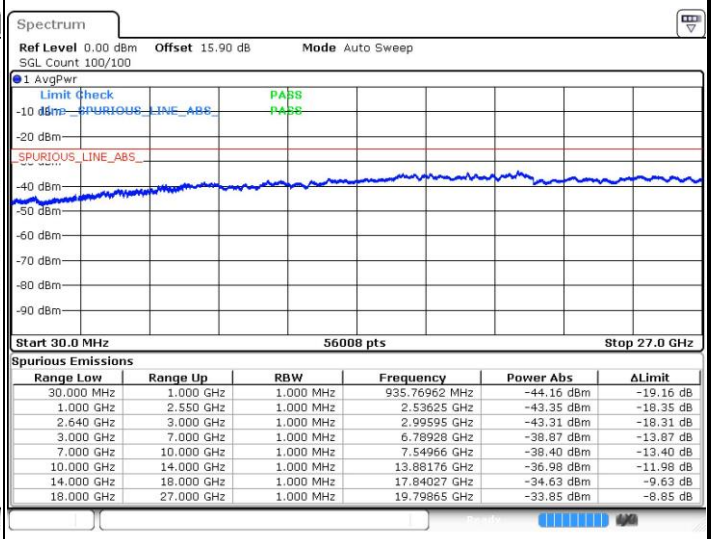


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-44.08 dBm	-19.08 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53470 GHz	-43.22 dBm	-18.22 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97724 GHz	-43.38 dBm	-18.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-38.96 dBm	-13.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55416 GHz	-38.44 dBm	-13.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44294 GHz	-36.77 dBm	-11.77 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83927 GHz	-34.39 dBm	-9.39 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81615 GHz	-33.79 dBm	-8.79 dB

Date: 13.JUN.2018 15:46:51

Lowest Channel / 16QAM



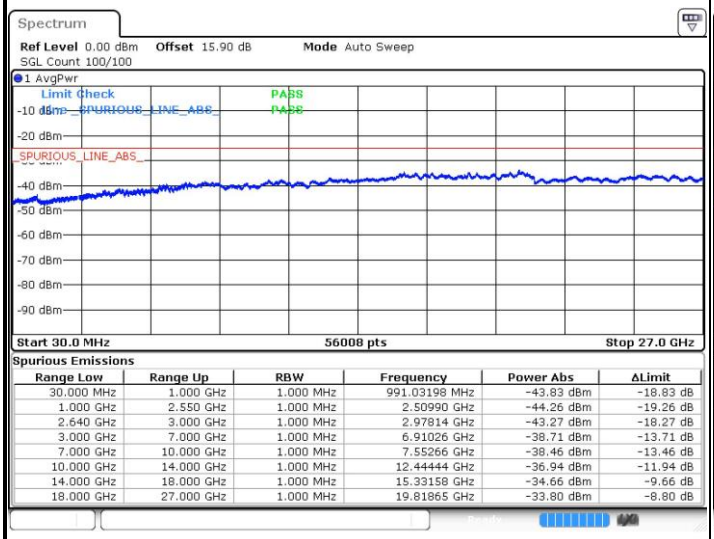
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-44.16 dBm	-19.16 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53625 GHz	-43.35 dBm	-18.35 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99595 GHz	-43.31 dBm	-18.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-38.87 dBm	-13.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54966 GHz	-38.40 dBm	-13.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88176 GHz	-36.98 dBm	-11.98 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84027 GHz	-34.63 dBm	-9.63 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79865 GHz	-33.85 dBm	-8.85 dB

Date: 13.JUN.2018 15:47:45

LTE Band 38 / 20MHz

Middle Channel / QPSK

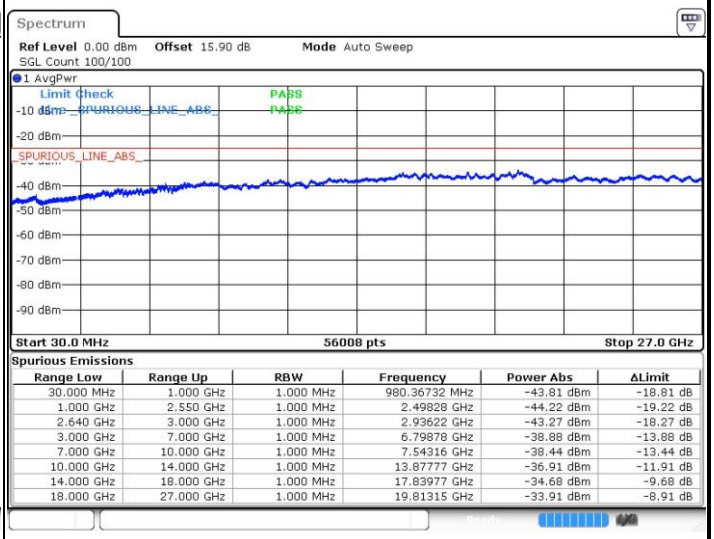


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-43.83 dBm	-18.83 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50990 GHz	-44.26 dBm	-19.26 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97814 GHz	-43.27 dBm	-18.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91026 GHz	-38.71 dBm	-13.71 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55266 GHz	-38.46 dBm	-13.46 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44444 GHz	-36.94 dBm	-11.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.33158 GHz	-34.66 dBm	-9.66 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81865 GHz	-33.80 dBm	-8.80 dB

Date: 13.JUN.2018 15:48:40

Middle Channel / 16QAM

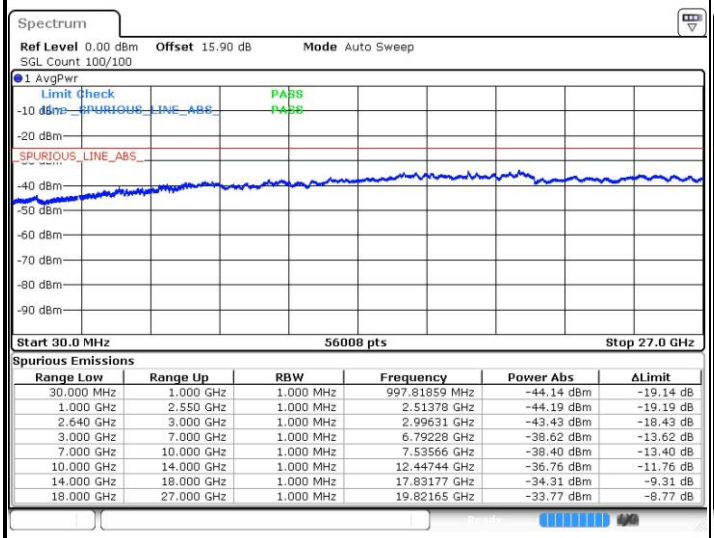


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.36732 MHz	-43.81 dBm	-18.81 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49828 GHz	-44.22 dBm	-19.22 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.93622 GHz	-43.27 dBm	-18.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79878 GHz	-38.88 dBm	-13.88 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54316 GHz	-38.44 dBm	-13.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.87777 GHz	-36.91 dBm	-11.91 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83977 GHz	-34.68 dBm	-9.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81315 GHz	-33.91 dBm	-8.91 dB

Date: 13.JUN.2018 15:49:35

Highest Channel / QPSK

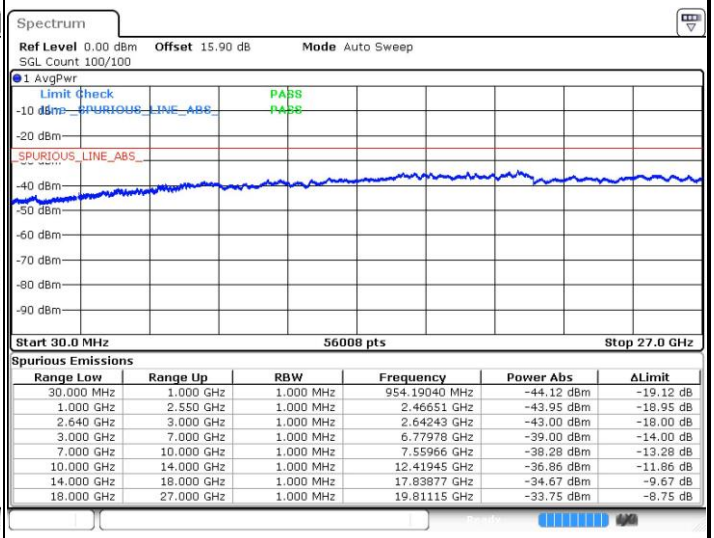


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-44.14 dBm	-19.14 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51378 GHz	-44.19 dBm	-19.19 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99631 GHz	-43.43 dBm	-18.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79228 GHz	-38.62 dBm	-13.62 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.53566 GHz	-38.40 dBm	-13.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44744 GHz	-36.76 dBm	-11.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83177 GHz	-34.31 dBm	-9.31 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82165 GHz	-33.77 dBm	-8.77 dB

Date: 13.JUN.2018 15:50:29

Highest Channel / 16QAM



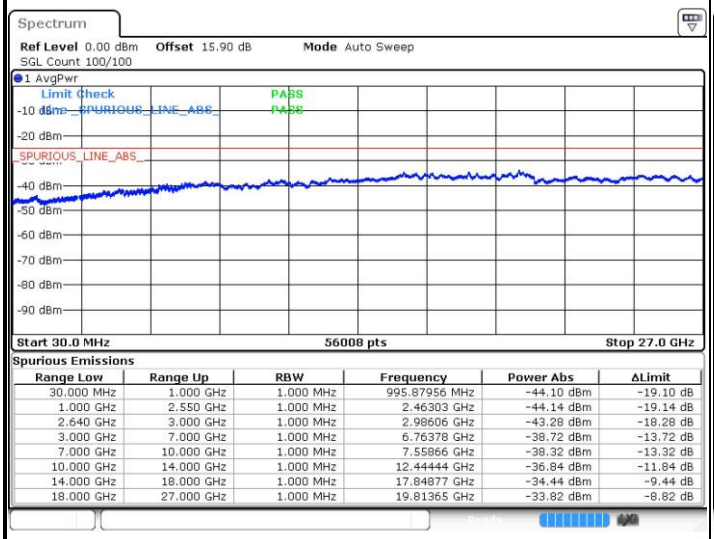
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-44.12 dBm	-19.12 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.46651 GHz	-43.95 dBm	-18.95 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.64243 GHz	-43.00 dBm	-18.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77978 GHz	-39.00 dBm	-14.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55966 GHz	-38.28 dBm	-13.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.41945 GHz	-36.86 dBm	-11.86 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83877 GHz	-34.67 dBm	-9.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81115 GHz	-33.75 dBm	-8.75 dB

Date: 13.JUN.2018 15:51:24

LTE Band 38 / 5MHz

Lowest Channel / 64QAM

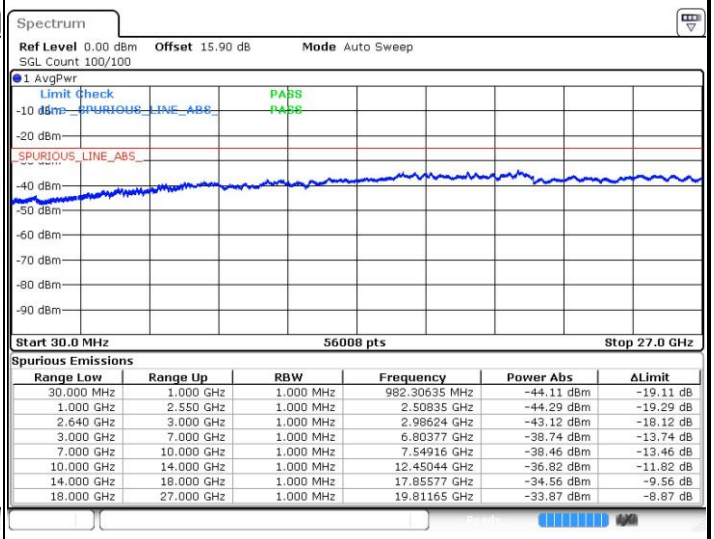


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-44.10 dBm	-19.10 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.46303 GHz	-44.14 dBm	-19.14 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98606 GHz	-43.28 dBm	-18.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76378 GHz	-38.72 dBm	-13.72 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55866 GHz	-38.32 dBm	-13.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44444 GHz	-36.84 dBm	-11.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84877 GHz	-34.44 dBm	-9.44 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81365 GHz	-33.82 dBm	-8.82 dB

Date: 13.JUN.2018 15:19:30

Middle Channel / 64QAM

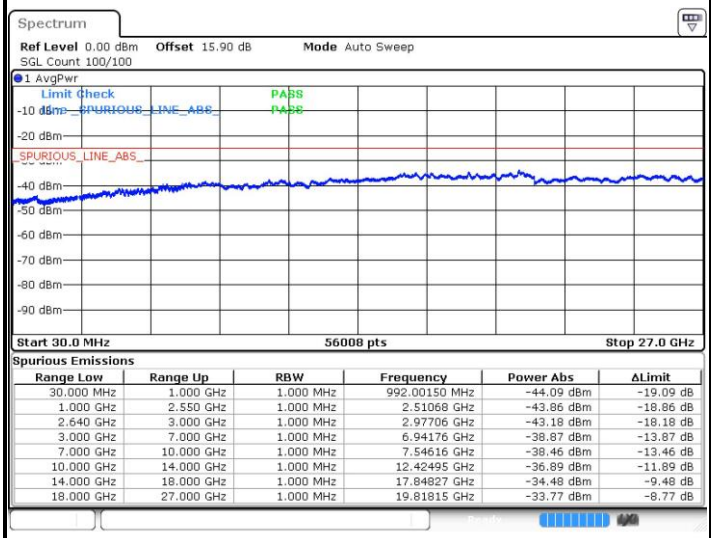


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-44.11 dBm	-19.11 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50835 GHz	-44.29 dBm	-19.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98624 GHz	-43.12 dBm	-18.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80377 GHz	-38.74 dBm	-13.74 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54916 GHz	-38.46 dBm	-13.46 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.45044 GHz	-36.82 dBm	-11.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85577 GHz	-34.56 dBm	-9.56 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81165 GHz	-33.87 dBm	-8.87 dB

Date: 13.JUN.2018 15:20:24

Highest Channel / 64QAM



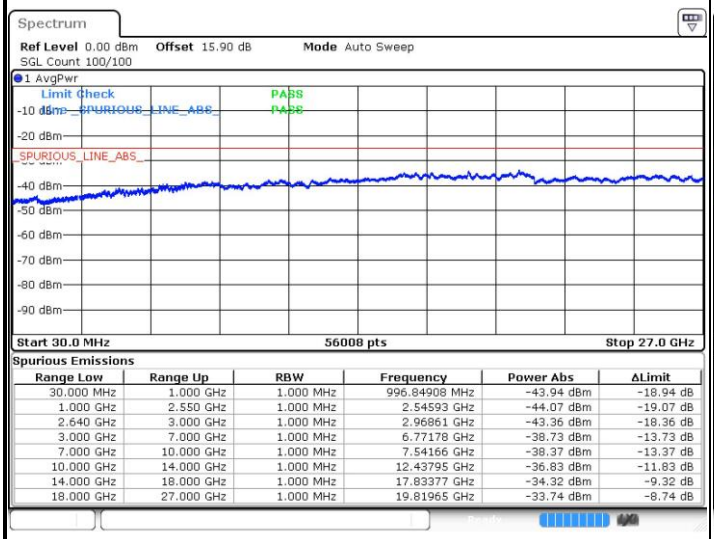
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.00150 MHz	-44.09 dBm	-19.09 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51068 GHz	-43.86 dBm	-18.86 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97706 GHz	-43.18 dBm	-18.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94176 GHz	-38.87 dBm	-13.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54616 GHz	-38.46 dBm	-13.46 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42495 GHz	-36.89 dBm	-11.89 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84827 GHz	-34.48 dBm	-9.48 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81815 GHz	-33.77 dBm	-8.77 dB

Date: 13.JUN.2018 15:21:19

LTE Band 38 / 10MHz

Lowest Channel / 64QAM

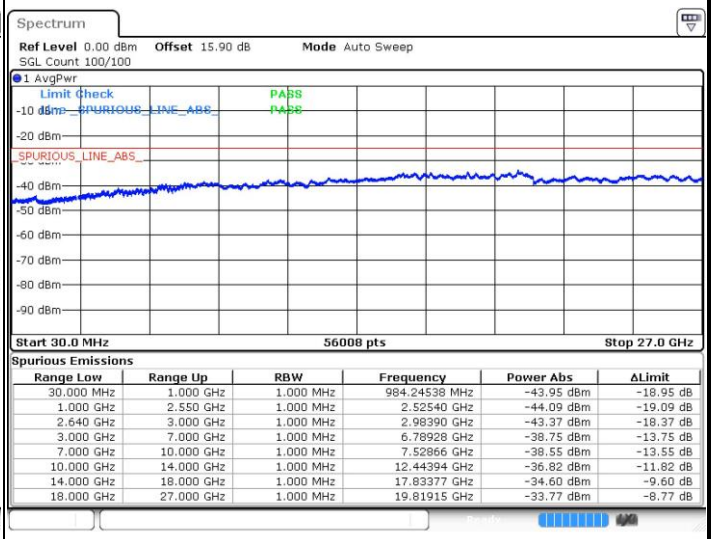


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.84908 MHz	-43.94 dBm	-18.94 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54593 GHz	-44.07 dBm	-19.07 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.96861 GHz	-43.36 dBm	-18.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77178 GHz	-38.73 dBm	-13.73 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54166 GHz	-38.37 dBm	-13.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43795 GHz	-36.83 dBm	-11.83 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83377 GHz	-34.32 dBm	-9.32 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81965 GHz	-33.74 dBm	-8.74 dB

Date: 13.JUN.2018 15:22:14

Middle Channel / 64QAM

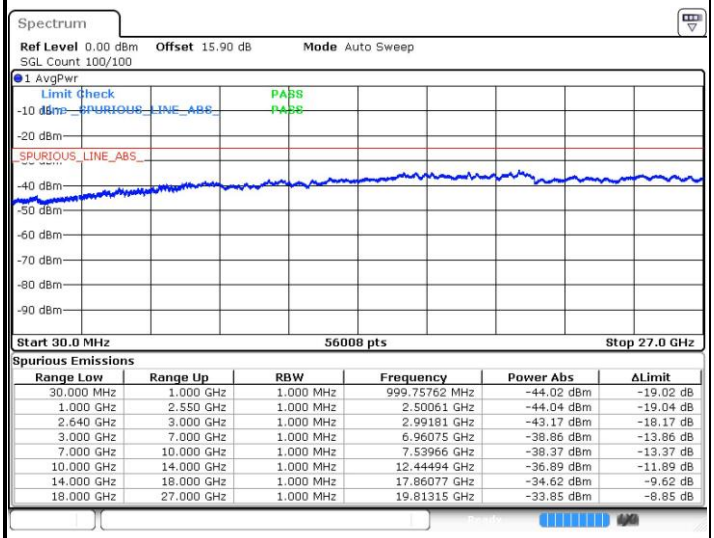


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.24538 MHz	-43.95 dBm	-18.95 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.52540 GHz	-44.09 dBm	-19.09 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98390 GHz	-43.37 dBm	-18.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-38.75 dBm	-13.75 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.52866 GHz	-38.55 dBm	-13.55 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44394 GHz	-36.82 dBm	-11.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83377 GHz	-34.60 dBm	-9.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81915 GHz	-33.77 dBm	-8.77 dB

Date: 13.JUN.2018 15:23:08

Highest Channel / 64QAM



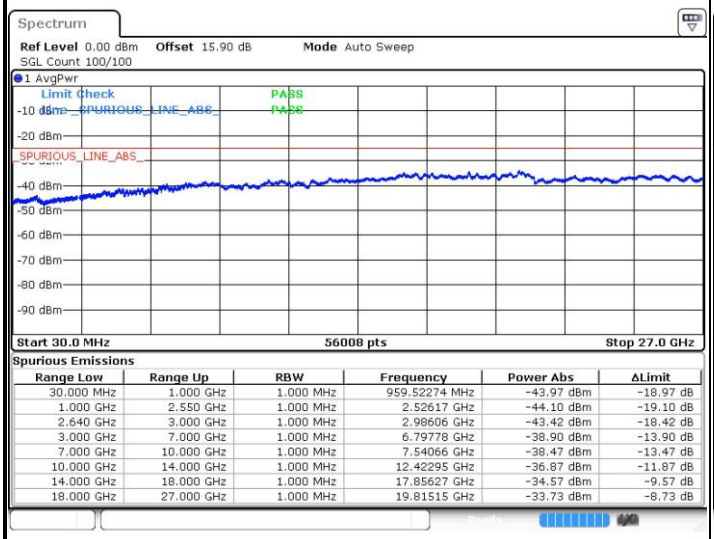
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-44.02 dBm	-19.02 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.50061 GHz	-44.04 dBm	-19.04 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99181 GHz	-43.17 dBm	-18.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96075 GHz	-38.86 dBm	-13.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.53966 GHz	-38.37 dBm	-13.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44494 GHz	-36.89 dBm	-11.89 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.86077 GHz	-34.62 dBm	-9.62 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81315 GHz	-33.85 dBm	-8.85 dB

Date: 13.JUN.2018 15:24:03

LTE Band 38 / 15MHz

Lowest Channel / 64QAM

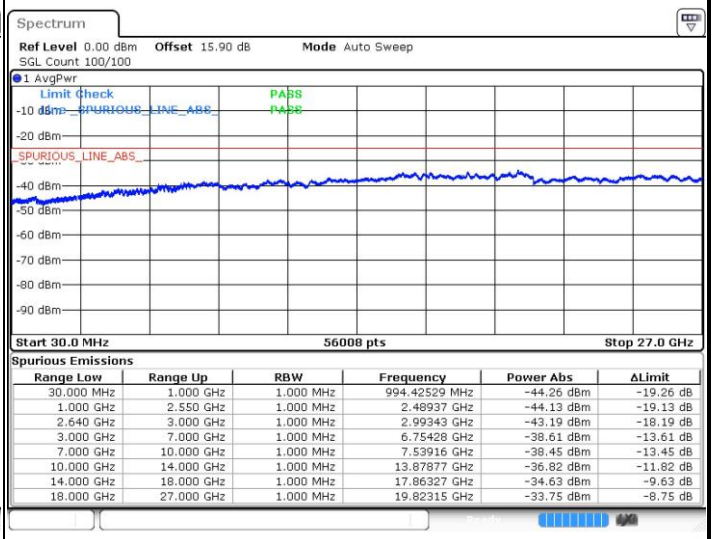


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.52274 MHz	-43.97 dBm	-18.97 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.52617 GHz	-44.10 dBm	-19.10 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98606 GHz	-43.42 dBm	-18.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-38.90 dBm	-13.90 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54066 GHz	-38.47 dBm	-13.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.42295 GHz	-36.87 dBm	-11.87 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85627 GHz	-34.57 dBm	-9.57 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81515 GHz	-33.73 dBm	-8.73 dB

Date: 13.JUN.2018 15:24:58

Middle Channel / 64QAM

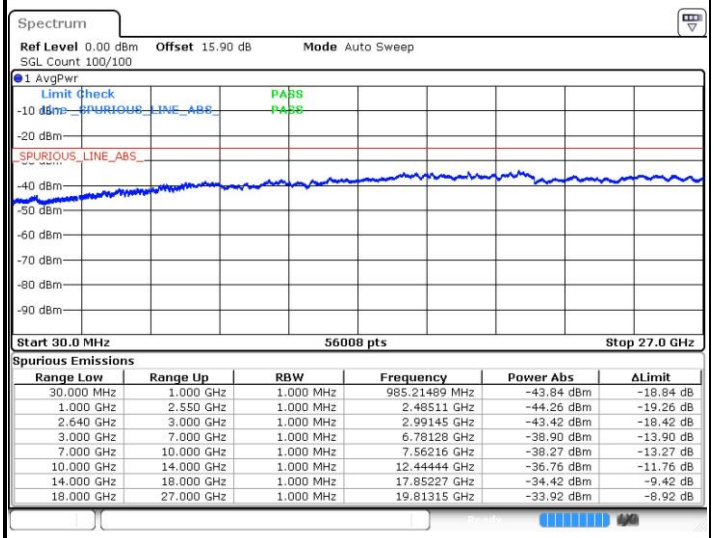


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-44.26 dBm	-19.26 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48937 GHz	-44.13 dBm	-19.13 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99343 GHz	-43.19 dBm	-18.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75428 GHz	-38.61 dBm	-13.61 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.53916 GHz	-38.45 dBm	-13.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.87877 GHz	-36.82 dBm	-11.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.86327 GHz	-34.63 dBm	-9.63 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82315 GHz	-33.75 dBm	-8.75 dB

Date: 13.JUN.2018 15:25:53

Highest Channel / 64QAM



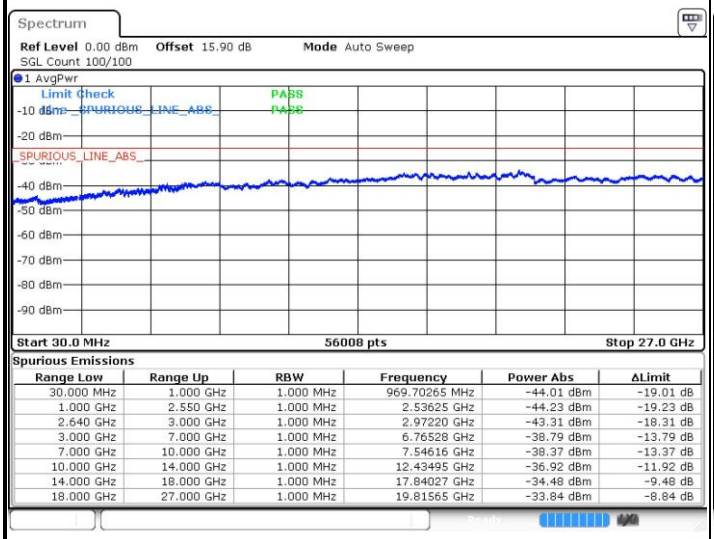
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.21489 MHz	-43.84 dBm	-18.84 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48511 GHz	-44.26 dBm	-19.26 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99145 GHz	-43.42 dBm	-18.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78128 GHz	-38.90 dBm	-13.90 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.56216 GHz	-38.27 dBm	-13.27 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44444 GHz	-36.76 dBm	-11.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.85227 GHz	-34.42 dBm	-9.42 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81315 GHz	-33.92 dBm	-8.92 dB

Date: 13.JUN.2018 15:26:48

LTE Band 38 / 20MHz

Lowest Channel / 64QAM

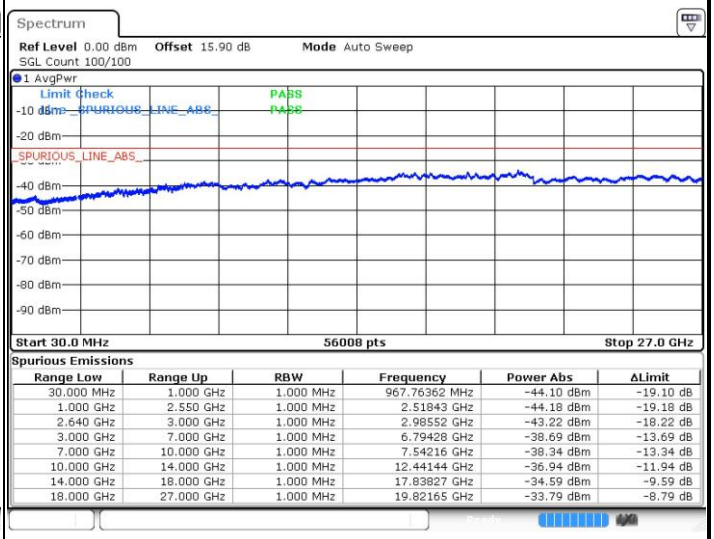


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-44.01 dBm	-19.01 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.53625 GHz	-44.23 dBm	-19.23 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.97220 GHz	-43.31 dBm	-18.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76528 GHz	-38.79 dBm	-13.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54616 GHz	-38.37 dBm	-13.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.43495 GHz	-36.92 dBm	-11.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.84027 GHz	-34.48 dBm	-9.48 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81565 GHz	-33.84 dBm	-8.84 dB

Date: 13.JUN.2018 15:27:42

Middle Channel / 64QAM

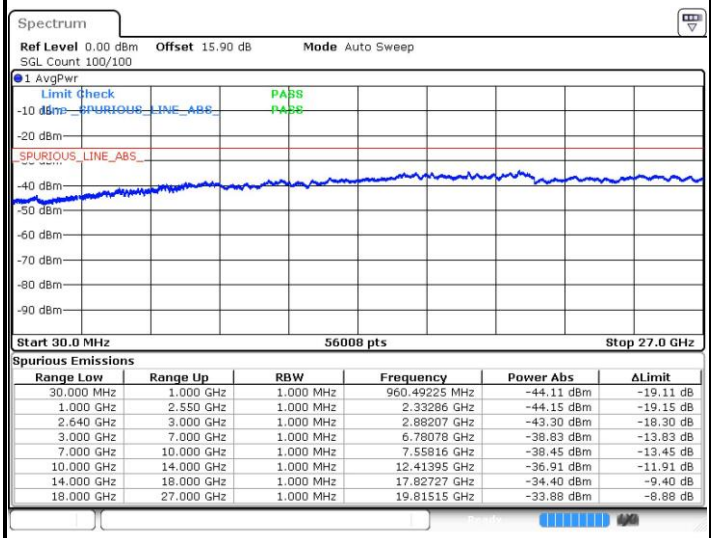


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-44.10 dBm	-19.10 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51843 GHz	-44.18 dBm	-19.18 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98552 GHz	-43.22 dBm	-18.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79428 GHz	-38.69 dBm	-13.69 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.54216 GHz	-38.34 dBm	-13.34 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44144 GHz	-36.94 dBm	-11.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.83827 GHz	-34.59 dBm	-9.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.82165 GHz	-33.79 dBm	-8.79 dB

Date: 13.JUN.2018 15:28:37

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-44.11 dBm	-19.11 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.33286 GHz	-44.15 dBm	-19.15 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.88207 GHz	-43.30 dBm	-18.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78078 GHz	-38.83 dBm	-13.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55816 GHz	-38.45 dBm	-13.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.41395 GHz	-36.91 dBm	-11.91 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.82727 GHz	-34.40 dBm	-9.40 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.81515 GHz	-33.88 dBm	-8.88 dB

Date: 13.JUN.2018 15:29:32

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	0.0020	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

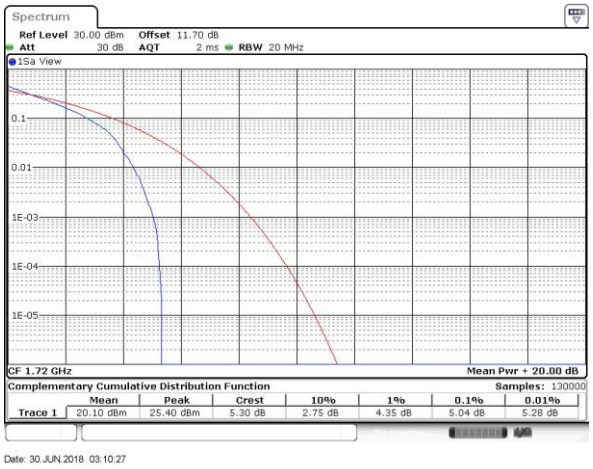
LTE Band 66

Peak-to-Average Ratio

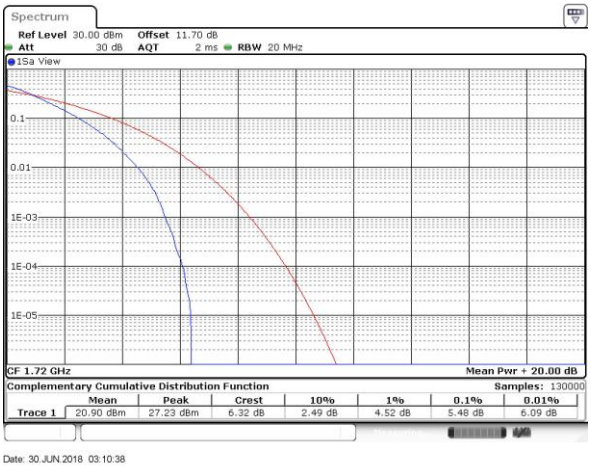
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.04	5.48	6.09	6.49	PASS
Middle CH	5.01	5.45	5.94	6.43	
Highest CH	5.04	5.33	6.84	6.35	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.81	6.72	-	-	PASS
Middle CH	6.58	6.58	-	-	
Highest CH	7.36	6.52	-	-	

LTE Band 66 / 20MHz / QPSK

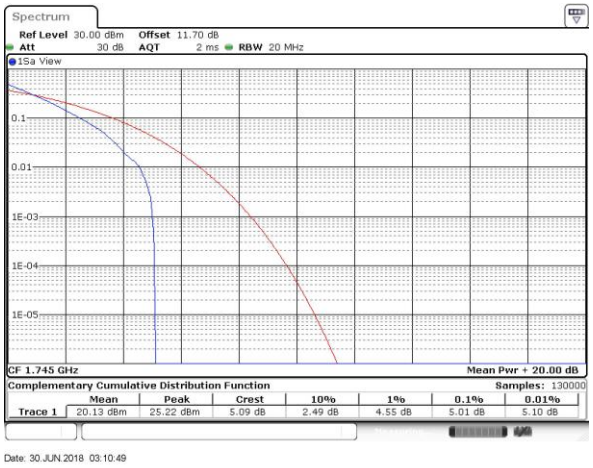
Lowest Channel / 1RB



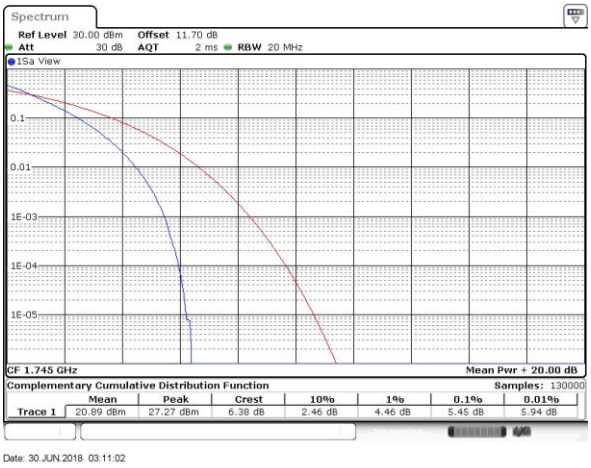
Lowest Channel / Full RB



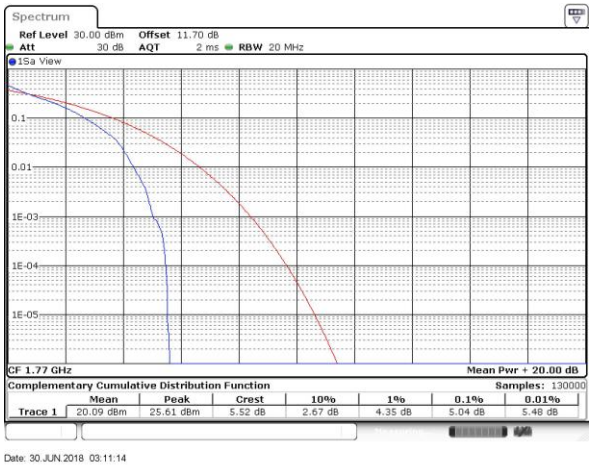
Middle Channel / 1RB



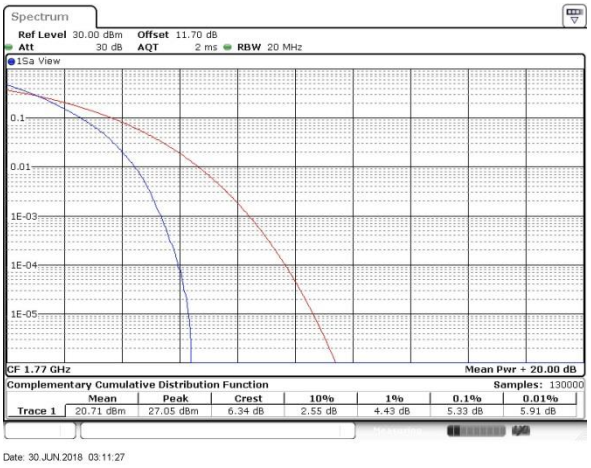
Middle Channel / Full RB



Highest Channel / 1RB

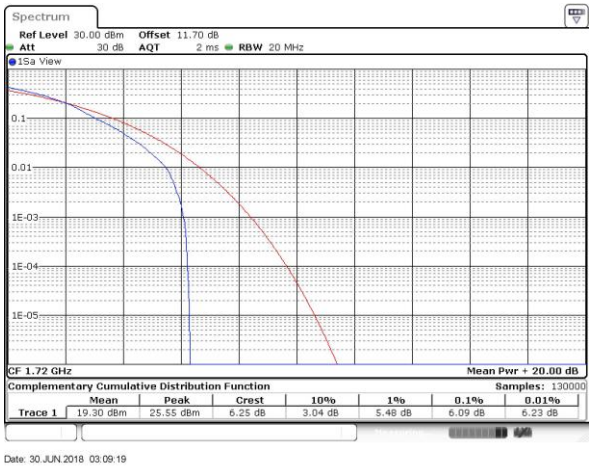


Highest Channel / Full RB

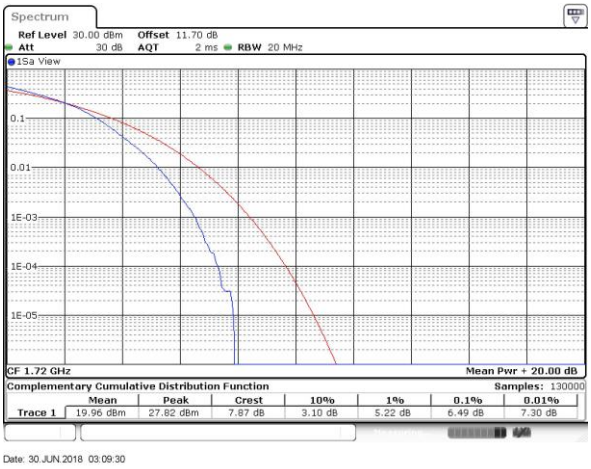


LTE Band 66 / 20MHz / 16QAM

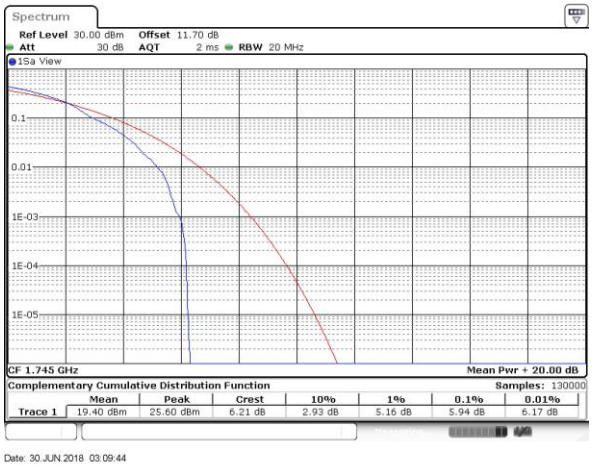
Lowest Channel / 1RB



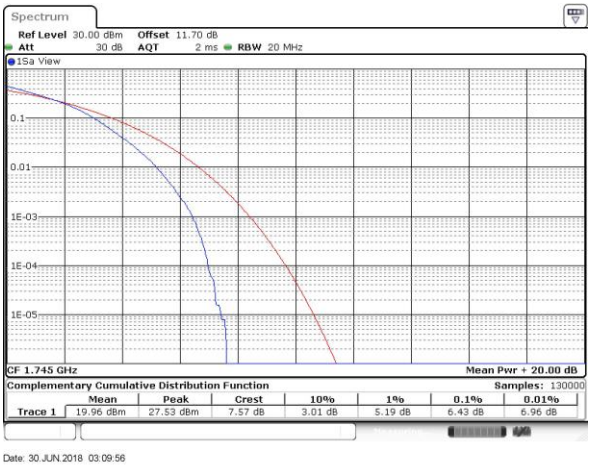
Lowest Channel / Full RB



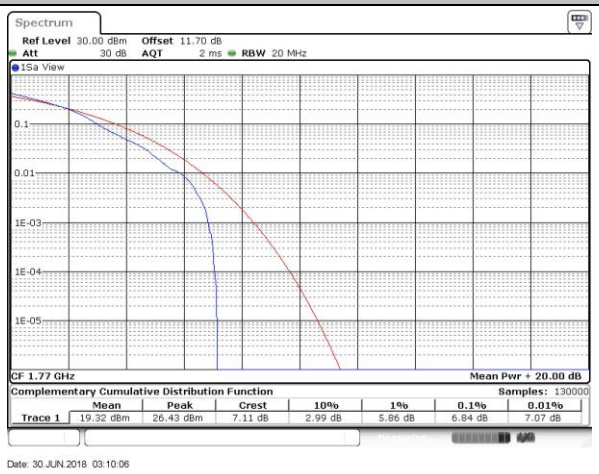
Middle Channel / 1RB



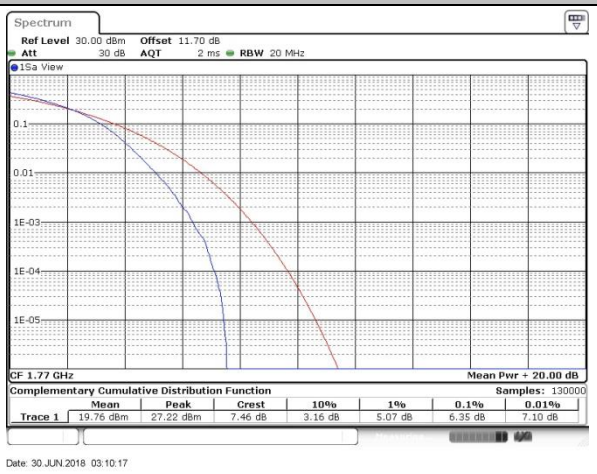
Middle Channel / Full RB



Highest Channel / 1RB

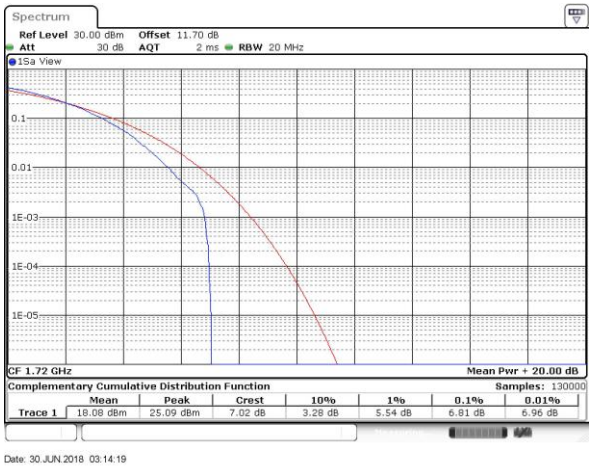


Highest Channel / Full RB

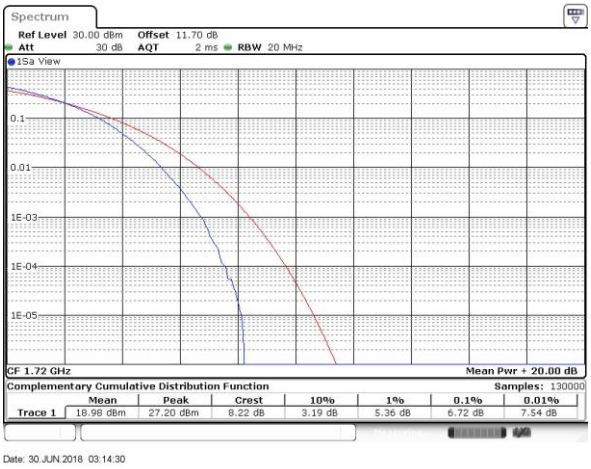


LTE Band 66 / 20MHz / 64QAM

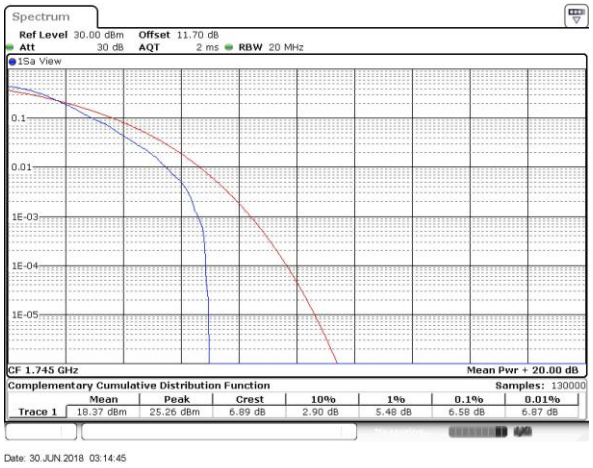
Lowest Channel / 1RB



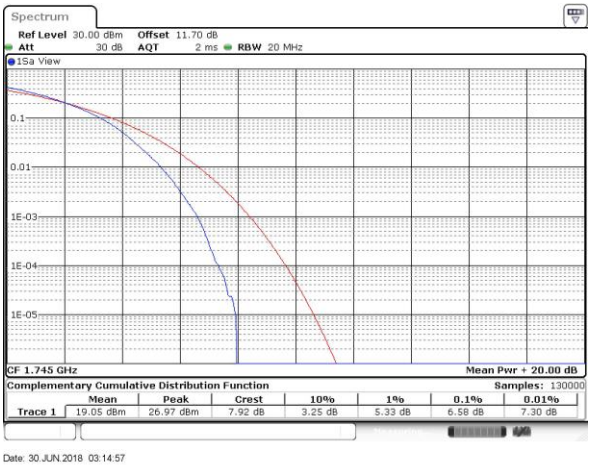
Lowest Channel / Full RB



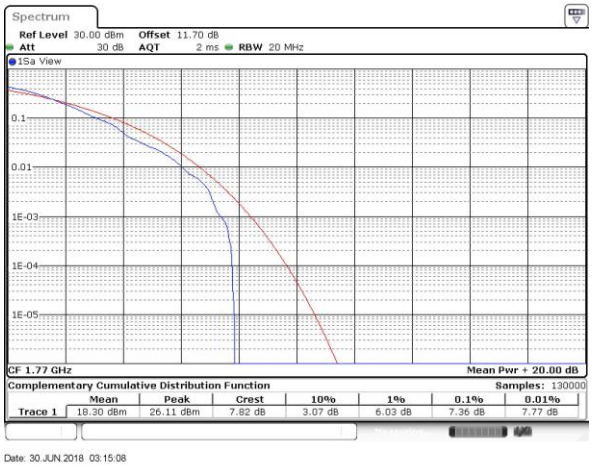
Middle Channel / 1RB



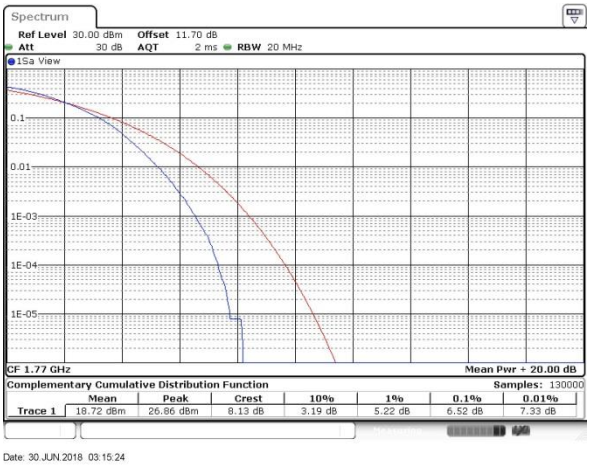
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

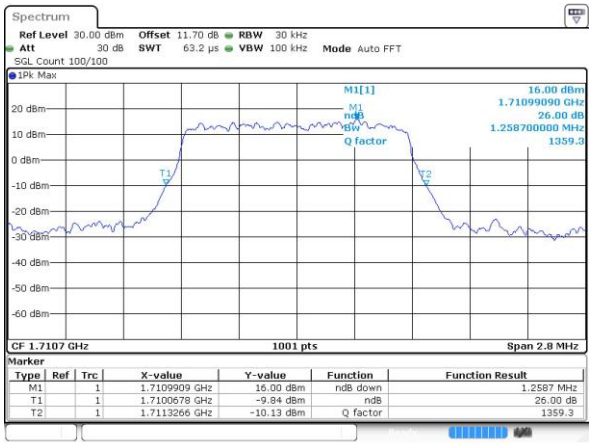


26dB Bandwidth

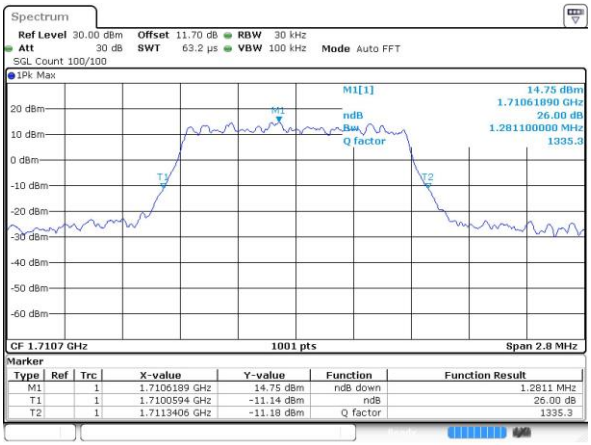
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.28	2.94	3.00	5.22	5.03	9.95	9.75	14.48	14.33	20.26	20.38
Middle CH	1.24	1.24	2.96	2.96	5.16	5.01	10.07	10.05	14.57	14.75	20.34	20.38
Highest CH	1.28	1.24	2.93	2.97	5.09	5.08	9.87	9.89	14.78	14.63	20.10	20.10
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.27	-	2.93	-	4.84	-	9.79	-	14.42	-	20.18	-
Middle CH	1.29	-	2.97	-	4.93	-	10.09	-	14.75	-	20.30	-
Highest CH	1.27	-	2.94	-	5.04	-	9.91	-	14.27	-	20.10	-

LTE Band 66

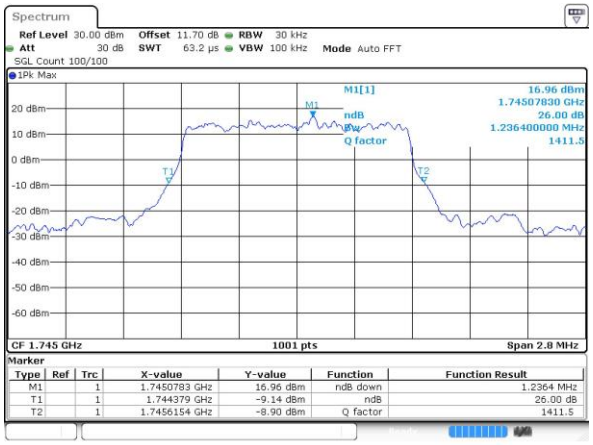
Lowest Channel / 1.4MHz / QPSK



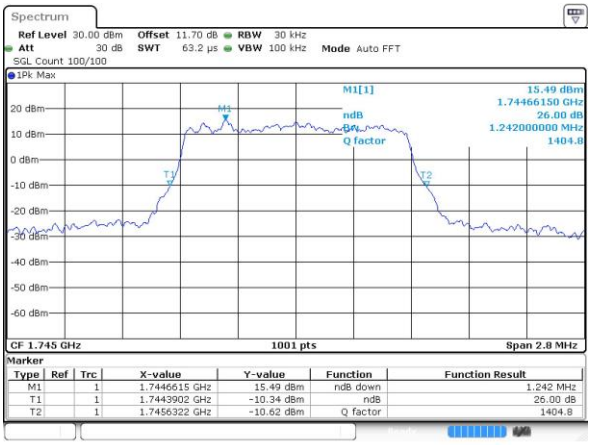
Lowest Channel / 1.4MHz / 16QAM



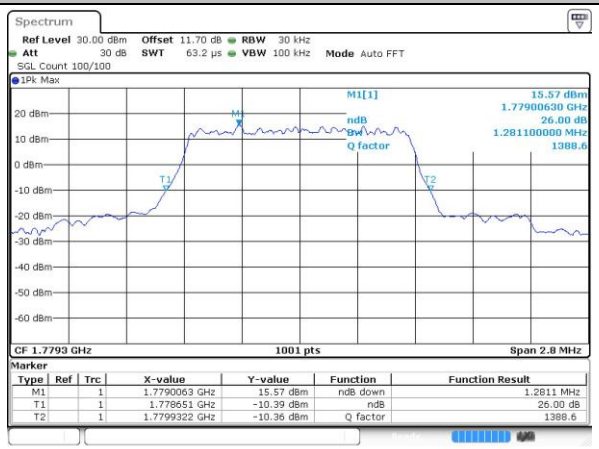
Middle Channel / 1.4MHz / QPSK



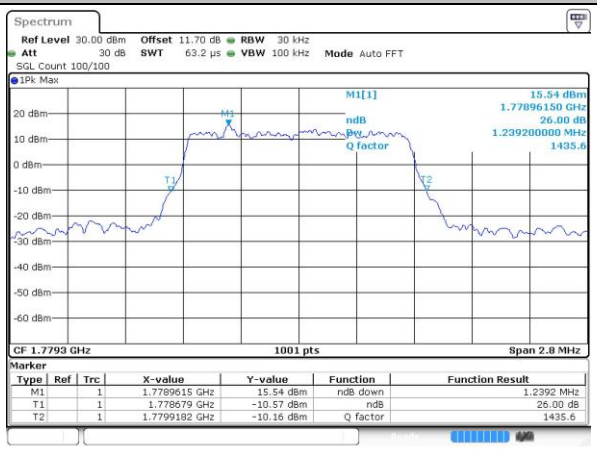
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

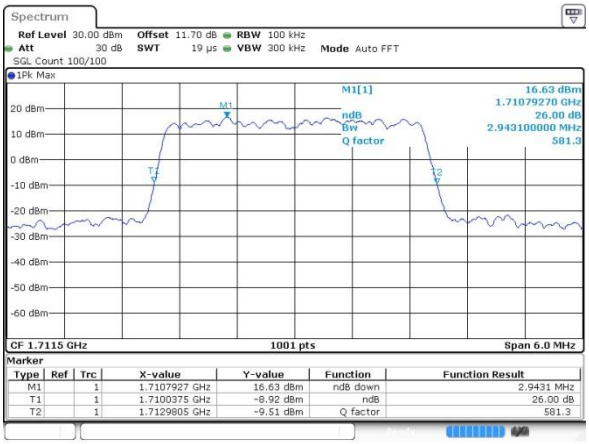


Highest Channel / 1.4MHz / 16QAM

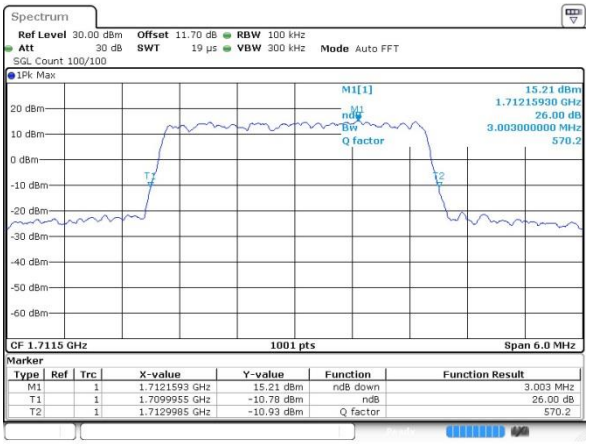


LTE Band 66

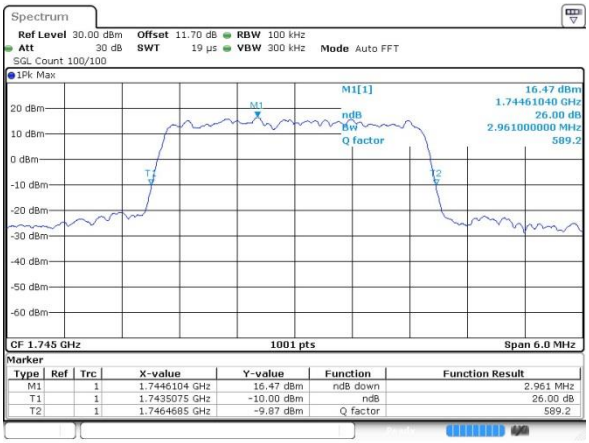
Lowest Channel / 3MHz / QPSK



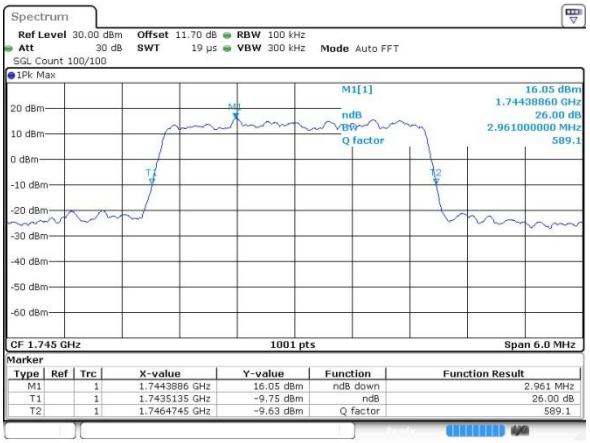
Lowest Channel / 3MHz / 16QAM



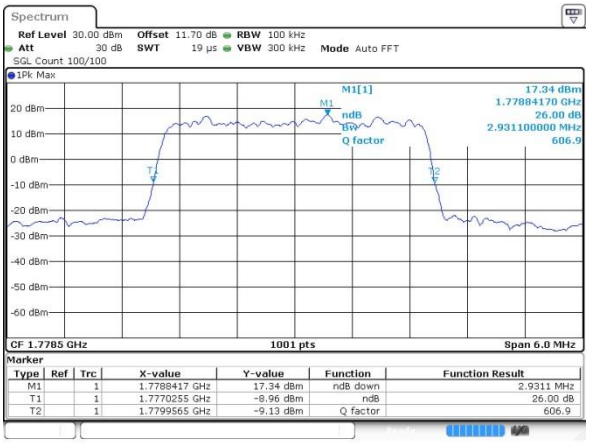
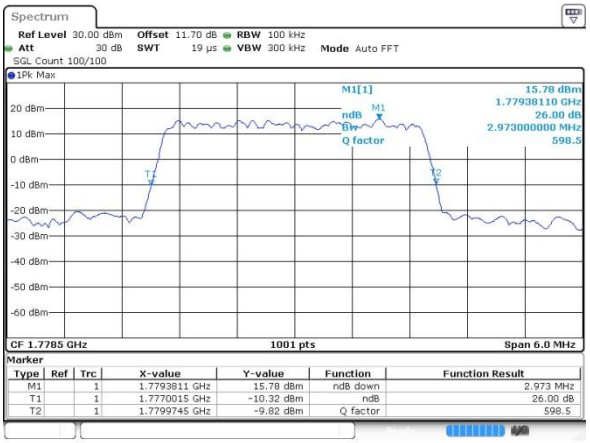
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM