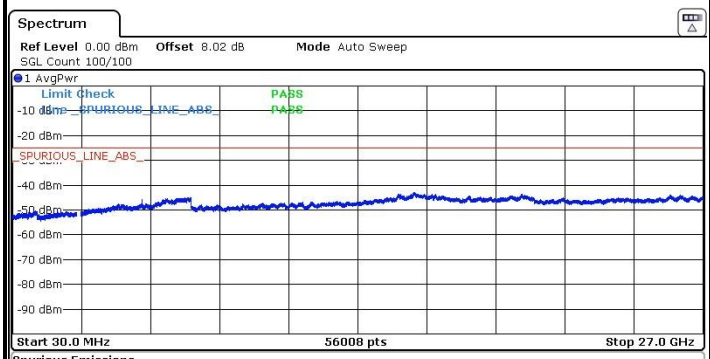
Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

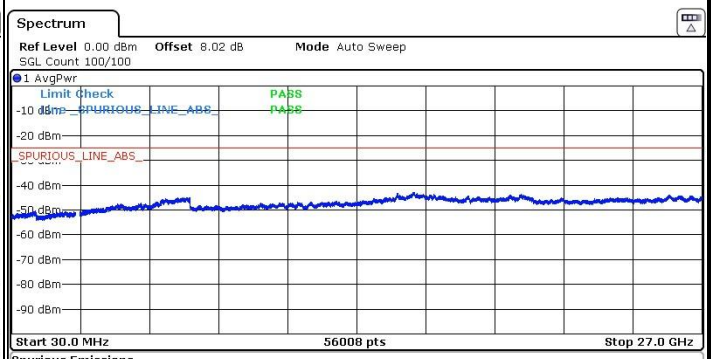


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.68416 MHz	-50.47 dBm	-25.47 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.13203 GHz	-50.73 dBm	-25.73 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99560 GHz	-49.79 dBm	-24.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-44.99 dBm	-19.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.79828 GHz	-47.31 dBm	-22.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.78328 GHz	-46.23 dBm	-21.23 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72253 GHz	-42.95 dBm	-17.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92114 GHz	-43.60 dBm	-18.60 dB

Date: 18.OCT.2018 10:31:16

Lowest Channel / 16QAM

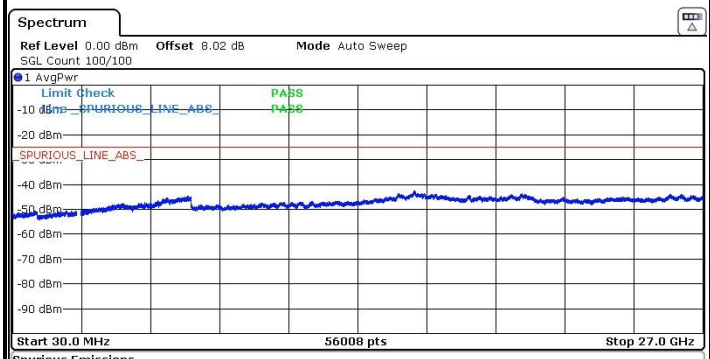


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.22089 MHz	-50.32 dBm	-25.32 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.15241 GHz	-50.59 dBm	-25.59 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.95914 GHz	-49.93 dBm	-24.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.68679 GHz	-44.99 dBm	-19.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75529 GHz	-47.30 dBm	-22.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.74278 GHz	-46.18 dBm	-21.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71204 GHz	-42.92 dBm	-17.92 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91664 GHz	-43.73 dBm	-18.73 dB

Date: 18.OCT.2018 10:32:01

Middle Channel / QPSK

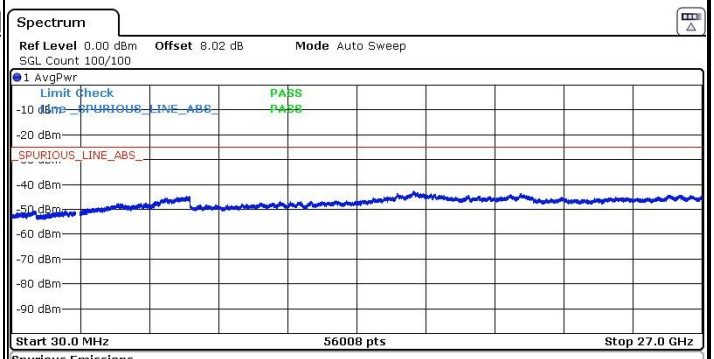


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-50.59 dBm	-25.59 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.10486 GHz	-50.69 dBm	-25.69 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97321 GHz	-50.14 dBm	-25.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86527 GHz	-44.80 dBm	-19.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.79078 GHz	-47.36 dBm	-22.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77028 GHz	-46.30 dBm	-21.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72953 GHz	-42.75 dBm	-17.75 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92714 GHz	-43.83 dBm	-18.83 dB

Date: 18.OCT.2018 10:36:24

Middle Channel / 16QAM



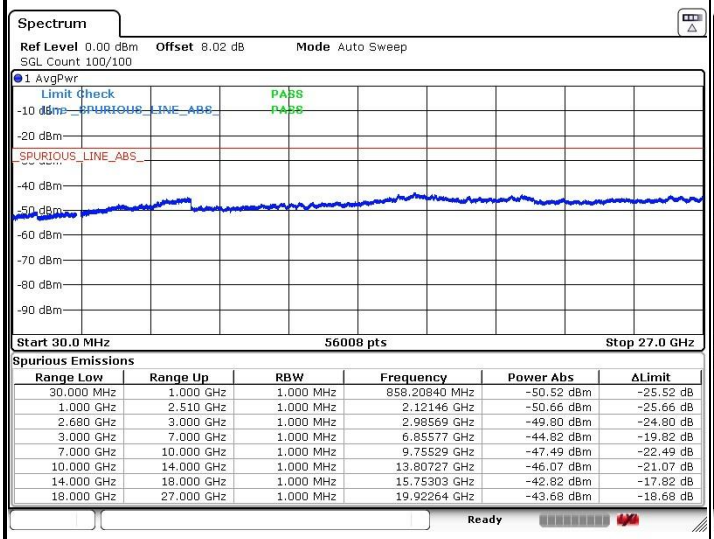
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	874.69015 MHz	-50.77 dBm	-25.77 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.12486 GHz	-50.36 dBm	-25.36 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99288 GHz	-49.81 dBm	-24.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96875 GHz	-44.83 dBm	-19.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74729 GHz	-47.52 dBm	-22.52 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75428 GHz	-46.31 dBm	-21.31 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75053 GHz	-42.70 dBm	-17.70 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91264 GHz	-43.60 dBm	-18.60 dB

Date: 18.OCT.2018 10:37:20

LTE Band 41 / 5MHz

Highest Channel / QPSK

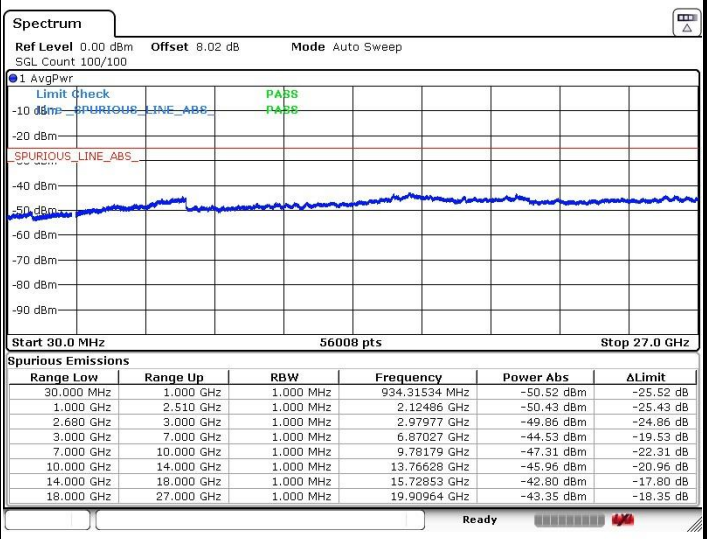


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.20840 MHz	-50.52 dBm	-25.52 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.12146 GHz	-50.66 dBm	-25.66 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.98569 GHz	-49.80 dBm	-24.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85577 GHz	-44.82 dBm	-19.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75529 GHz	-47.49 dBm	-22.49 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80727 GHz	-46.07 dBm	-21.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75303 GHz	-42.82 dBm	-17.82 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92264 GHz	-43.68 dBm	-18.68 dB

Date: 18.OCT.2018 10:35:33

Highest Channel / 16QAM



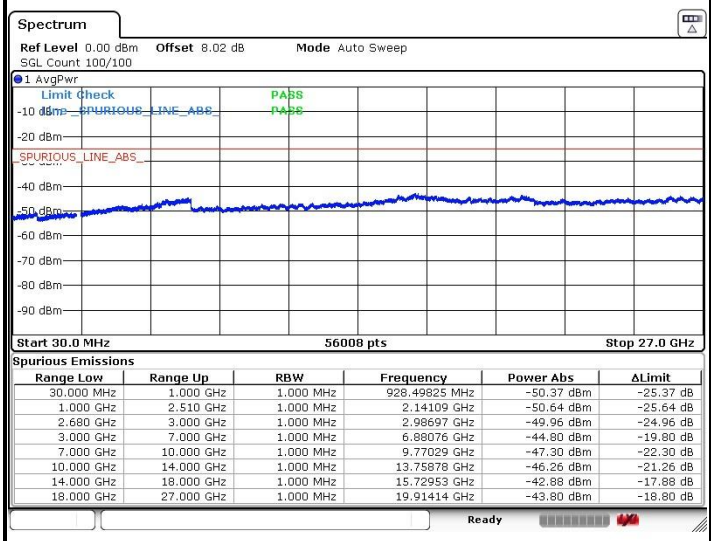
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.31534 MHz	-50.52 dBm	-25.52 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.12486 GHz	-50.43 dBm	-25.43 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97977 GHz	-49.86 dBm	-24.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87027 GHz	-44.53 dBm	-19.53 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.78179 GHz	-47.31 dBm	-22.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76628 GHz	-45.96 dBm	-20.96 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72853 GHz	-42.80 dBm	-17.80 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90964 GHz	-43.35 dBm	-18.35 dB

Date: 18.OCT.2018 10:34:47

LTE Band 41 / 5MHz

Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-50.37 dBm	-25.37 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.14109 GHz	-50.64 dBm	-25.64 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.98697 GHz	-49.96 dBm	-24.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88076 GHz	-44.80 dBm	-19.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77029 GHz	-47.30 dBm	-22.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75878 GHz	-46.26 dBm	-21.26 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72953 GHz	-42.88 dBm	-17.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91414 GHz	-43.80 dBm	-18.80 dB

Date: 18.OCT.2018 10:32:49

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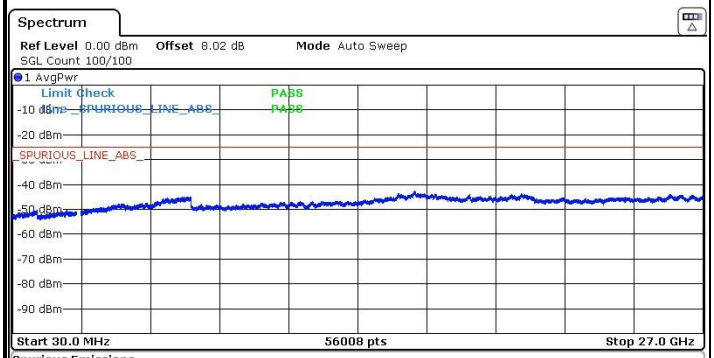
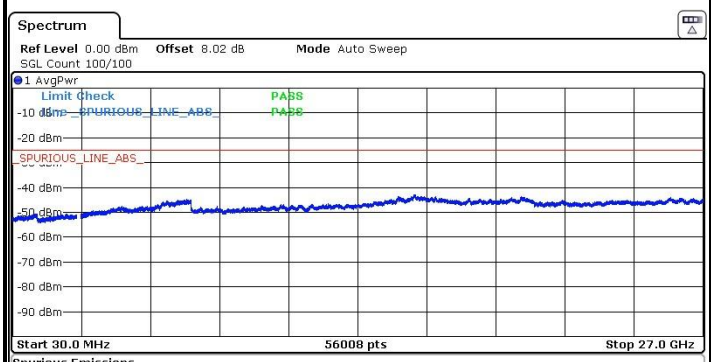
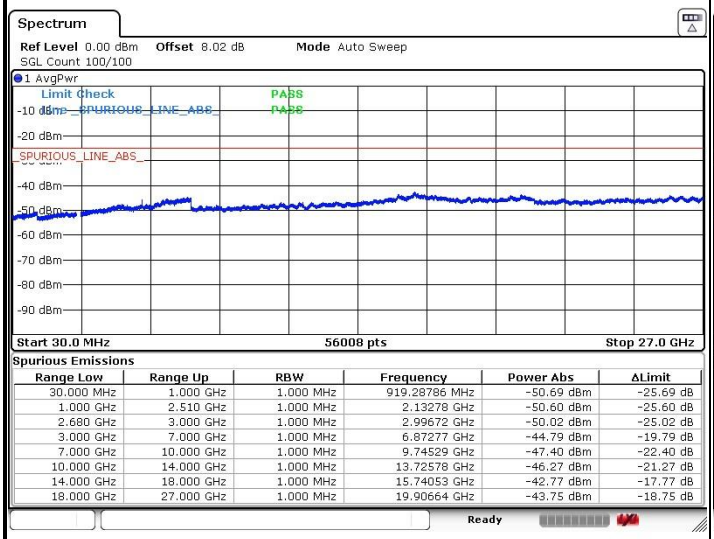
Middle Channel / 64QAM	-
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 30.000 MHz / 1.000 GHz / 1.000 MHz / 980.85207 MHz / -50.44 dBm / -25.44 dB 1.000 GHz / 2.510 GHz / 1.000 MHz / 2.15731 GHz / -50.43 dBm / -25.43 dB 2.680 GHz / 3.000 GHz / 1.000 MHz / 2.99912 GHz / -50.06 dBm / -25.06 dB 3.000 GHz / 7.000 GHz / 1.000 MHz / 6.84027 GHz / -44.91 dBm / -19.91 dB 7.000 GHz / 10.000 GHz / 1.000 MHz / 9.75229 GHz / -47.47 dBm / -22.47 dB 10.000 GHz / 14.000 GHz / 1.000 MHz / 13.79878 GHz / -46.25 dBm / -21.25 dB 14.000 GHz / 18.000 GHz / 1.000 MHz / 15.72703 GHz / -42.68 dBm / -17.68 dB 18.000 GHz / 27.000 GHz / 1.000 MHz / 19.91414 GHz / -43.61 dBm / -18.61 dB Ready Date: 18.OCT.2018 10:38:08	-
LTE Band 41 / 5MHz	
Highest Channel / 64QAM	-
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 30.000 MHz / 1.000 GHz / 1.000 MHz / 873.72064 MHz / -50.59 dBm / -25.59 dB 1.000 GHz / 2.510 GHz / 1.000 MHz / 2.14071 GHz / -50.68 dBm / -25.68 dB 2.680 GHz / 3.000 GHz / 1.000 MHz / 2.98729 GHz / -49.92 dBm / -24.92 dB 3.000 GHz / 7.000 GHz / 1.000 MHz / 6.83027 GHz / -44.87 dBm / -19.87 dB 7.000 GHz / 10.000 GHz / 1.000 MHz / 9.75979 GHz / -47.25 dBm / -22.25 dB 10.000 GHz / 14.000 GHz / 1.000 MHz / 13.79728 GHz / -46.32 dBm / -21.32 dB 14.000 GHz / 18.000 GHz / 1.000 MHz / 15.73503 GHz / -42.82 dBm / -17.82 dB 18.000 GHz / 27.000 GHz / 1.000 MHz / 19.90914 GHz / -43.82 dBm / -18.82 dB Ready Date: 18.OCT.2018 10:33:52	-

LTE Band 41 / 10MHz

Lowest Channel / QPSK

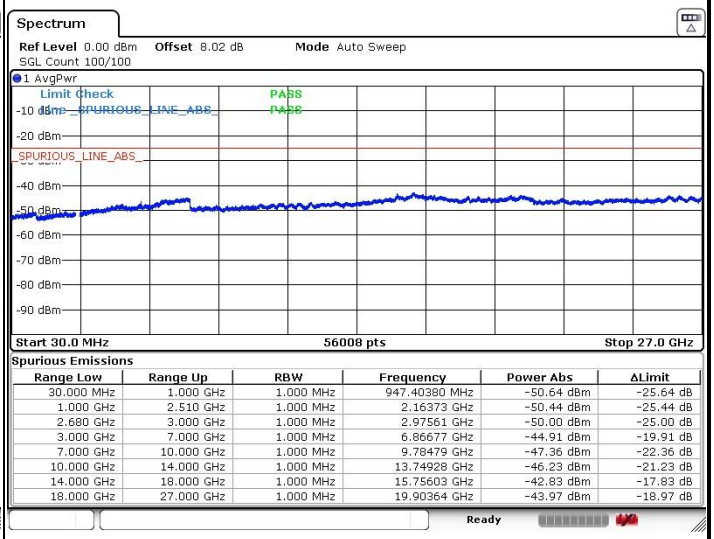


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-50.69 dBm	-25.69 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.13278 GHz	-50.60 dBm	-25.60 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99672 GHz	-50.02 dBm	-25.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87277 GHz	-44.79 dBm	-19.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74529 GHz	-47.40 dBm	-22.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.72578 GHz	-46.27 dBm	-21.27 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74053 GHz	-42.77 dBm	-17.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90664 GHz	-43.75 dBm	-18.75 dB

Date: 18.OCT.2018 10:39:13

Lowest Channel / 16QAM



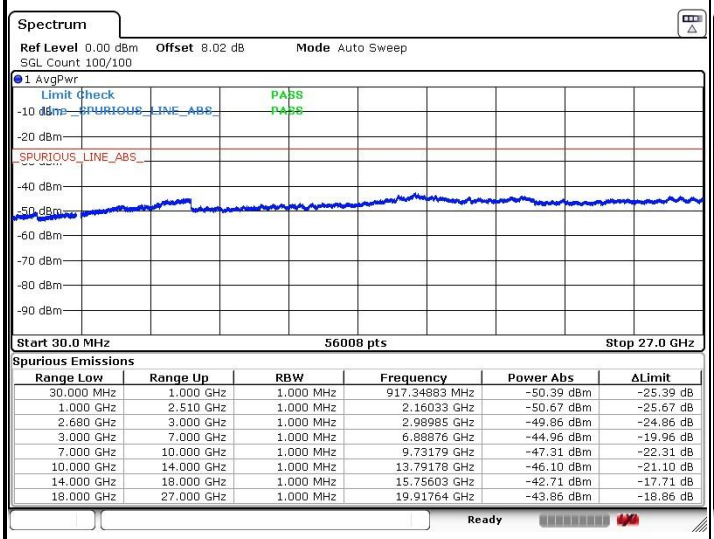
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-50.64 dBm	-25.64 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.16373 GHz	-50.44 dBm	-25.44 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97561 GHz	-50.00 dBm	-25.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86677 GHz	-44.91 dBm	-19.91 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.78479 GHz	-47.36 dBm	-22.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.74928 GHz	-46.23 dBm	-21.23 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75603 GHz	-42.83 dBm	-17.83 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90364 GHz	-43.97 dBm	-18.97 dB

Date: 18.OCT.2018 10:40:22

LTE Band 41 / 10MHz

Middle Channel / QPSK

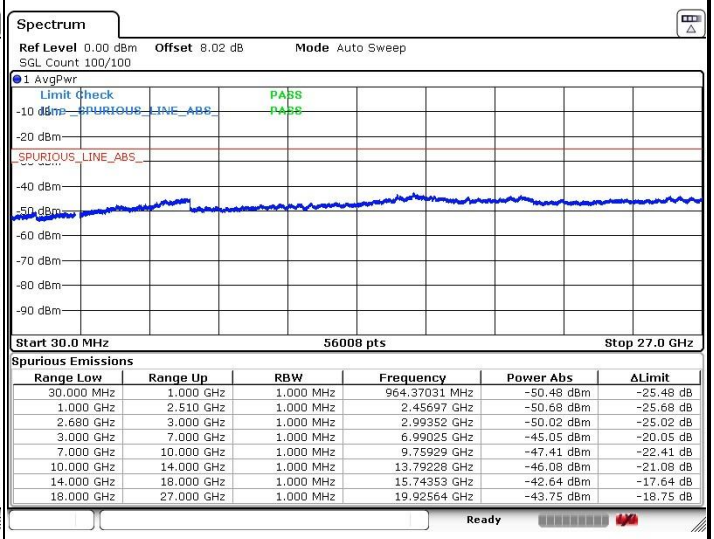


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-50.39 dBm	-25.39 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.16033 GHz	-50.67 dBm	-25.67 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.98985 GHz	-49.86 dBm	-24.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88876 GHz	-44.96 dBm	-19.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.73179 GHz	-47.31 dBm	-22.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79178 GHz	-46.10 dBm	-21.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75603 GHz	-42.71 dBm	-17.71 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91764 GHz	-43.86 dBm	-18.86 dB

Date: 18.OCT.2018 10:44:05

Middle Channel / 16QAM

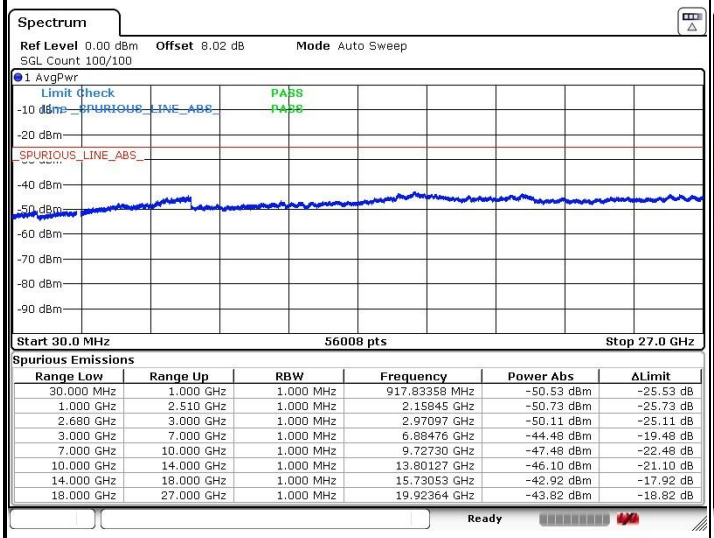


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-50.48 dBm	-25.48 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.45697 GHz	-50.68 dBm	-25.68 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99352 GHz	-50.02 dBm	-25.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-45.05 dBm	-20.05 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75929 GHz	-47.41 dBm	-22.41 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79228 GHz	-46.08 dBm	-21.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74353 GHz	-42.64 dBm	-17.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92564 GHz	-43.75 dBm	-18.75 dB

Date: 18.OCT.2018 10:43:18

Highest Channel / QPSK

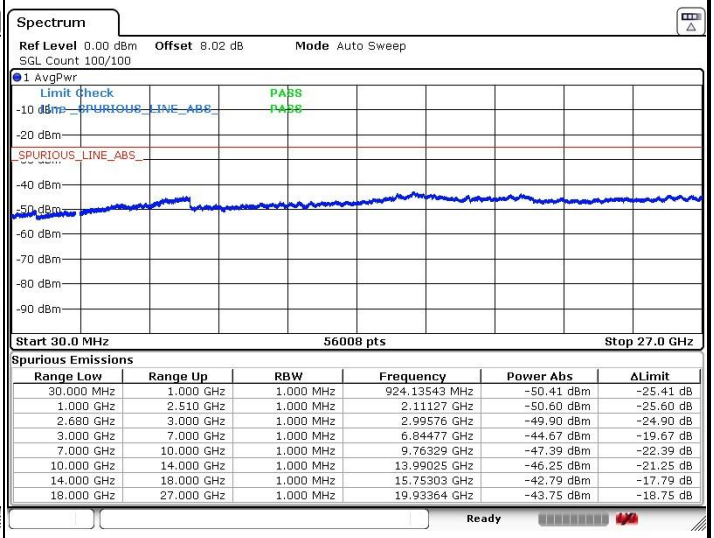


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.83358 MHz	-50.53 dBm	-25.53 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.15845 GHz	-50.73 dBm	-25.73 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97097 GHz	-50.11 dBm	-25.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88476 GHz	-44.48 dBm	-19.48 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.72730 GHz	-47.48 dBm	-22.48 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80127 GHz	-46.10 dBm	-21.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73053 GHz	-42.92 dBm	-17.92 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92364 GHz	-43.82 dBm	-18.82 dB

Date: 18.OCT.2018 10:44:56

Highest Channel / 16QAM



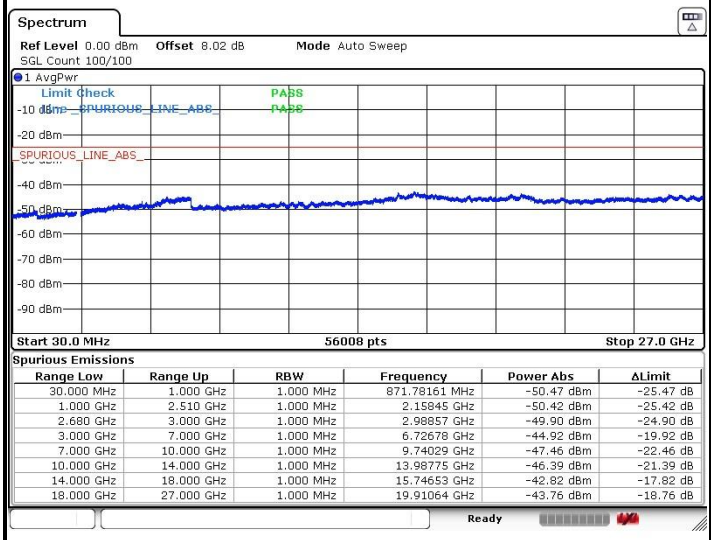
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.13543 MHz	-50.41 dBm	-25.41 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.11127 GHz	-50.60 dBm	-25.60 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99576 GHz	-49.90 dBm	-24.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84477 GHz	-44.67 dBm	-19.67 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76329 GHz	-47.39 dBm	-22.39 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99025 GHz	-46.25 dBm	-21.25 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75303 GHz	-42.79 dBm	-17.79 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93364 GHz	-43.75 dBm	-18.75 dB

Date: 18.OCT.2018 10:45:50

LTE Band 41 / 10MHz

Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.78161 MHz	-50.47 dBm	-25.47 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.15845 GHz	-50.42 dBm	-25.42 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.98857 GHz	-49.90 dBm	-24.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.72678 GHz	-44.92 dBm	-19.92 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74029 GHz	-47.46 dBm	-22.46 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98775 GHz	-46.39 dBm	-21.39 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74653 GHz	-42.82 dBm	-17.82 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91064 GHz	-43.76 dBm	-18.76 dB

Date: 18.OCT.2018 10:41:36

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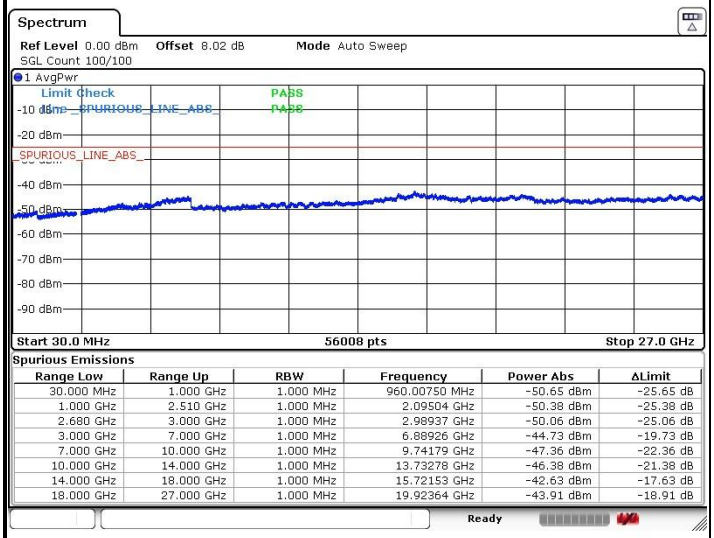
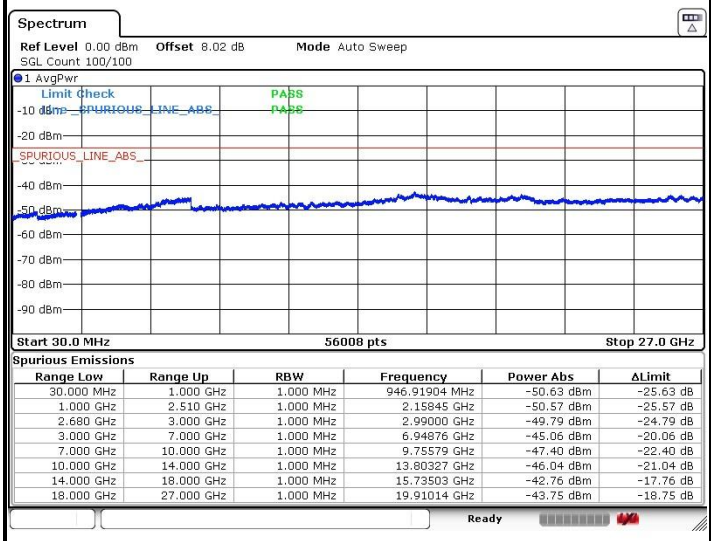
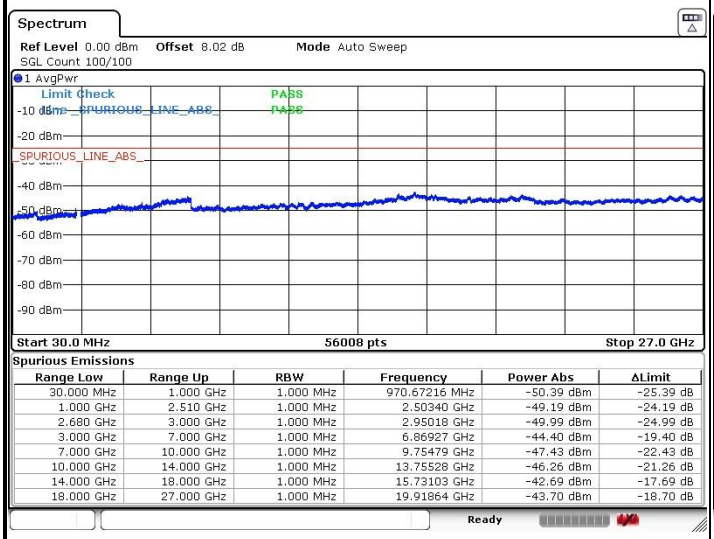
Middle Channel / 64QAM	-
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 30.000 MHz / 1.000 GHz / 1.000 MHz / 960.00750 MHz / -50.65 dBm / -25.65 dB 1.000 GHz / 2.510 GHz / 1.000 MHz / 2.09504 GHz / -50.38 dBm / -25.38 dB 2.680 GHz / 3.000 GHz / 1.000 MHz / 2.98937 GHz / -50.06 dBm / -25.06 dB 3.000 GHz / 7.000 GHz / 1.000 MHz / 6.88926 GHz / -44.73 dBm / -19.73 dB 7.000 GHz / 10.000 GHz / 1.000 MHz / 9.74179 GHz / -47.36 dBm / -22.36 dB 10.000 GHz / 14.000 GHz / 1.000 MHz / 13.73278 GHz / -46.38 dBm / -21.38 dB 14.000 GHz / 18.000 GHz / 1.000 MHz / 15.72153 GHz / -42.63 dBm / -17.63 dB 18.000 GHz / 27.000 GHz / 1.000 MHz / 19.92364 GHz / -43.91 dBm / -18.91 dB Date: 18.OCT.2018 10:42:27	-
Highest Channel / 64QAM	**-**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 30.000 MHz / 1.000 GHz / 1.000 MHz / 946.91904 MHz / -50.63 dBm / -25.63 dB 1.000 GHz / 2.510 GHz / 1.000 MHz / 2.15845 GHz / -50.57 dBm / -25.57 dB 2.680 GHz / 3.000 GHz / 1.000 MHz / 2.99000 GHz / -49.79 dBm / -24.79 dB 3.000 GHz / 7.000 GHz / 1.000 MHz / 6.94876 GHz / -45.06 dBm / -20.06 dB 7.000 GHz / 10.000 GHz / 1.000 MHz / 9.75579 GHz / -47.40 dBm / -22.40 dB 10.000 GHz / 14.000 GHz / 1.000 MHz / 13.80327 GHz / -46.04 dBm / -21.04 dB 14.000 GHz / 18.000 GHz / 1.000 MHz / 15.73503 GHz / -42.76 dBm / -17.76 dB 18.000 GHz / 27.000 GHz / 1.000 MHz / 19.91014 GHz / -43.75 dBm / -18.75 dB Date: 18.OCT.2018 10:46:36	-

LTE Band 41 / 15MHz

Lowest Channel / QPSK

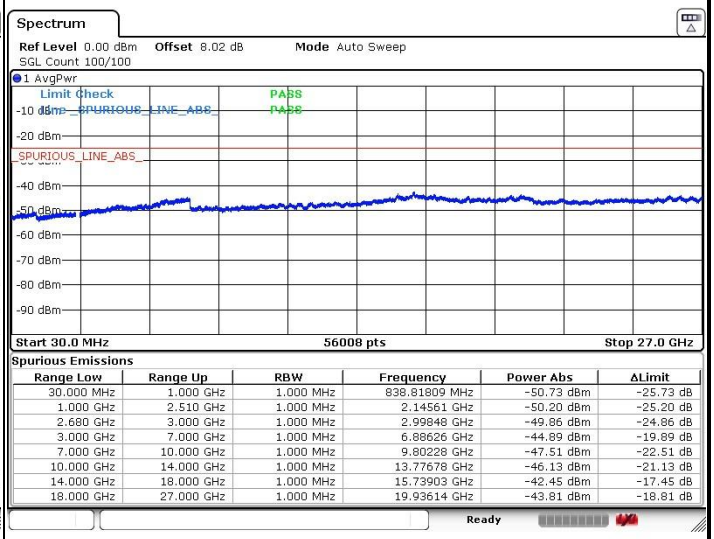


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-50.39 dBm	-25.39 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.50340 GHz	-49.19 dBm	-24.19 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.95018 GHz	-49.99 dBm	-24.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86927 GHz	-44.40 dBm	-19.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75479 GHz	-47.43 dBm	-22.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75528 GHz	-46.26 dBm	-21.26 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73103 GHz	-42.69 dBm	-17.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91864 GHz	-43.70 dBm	-18.70 dB

Date: 18.OCT.2018 10:47:40

Lowest Channel / 16QAM

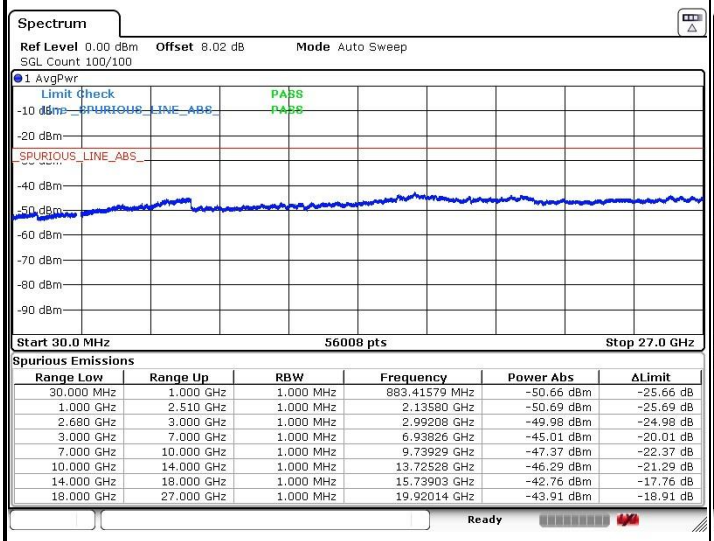


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	838.81809 MHz	-50.73 dBm	-25.73 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.14561 GHz	-50.20 dBm	-25.20 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99848 GHz	-49.86 dBm	-24.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88626 GHz	-44.89 dBm	-19.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.80228 GHz	-47.51 dBm	-22.51 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77678 GHz	-46.13 dBm	-21.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73903 GHz	-42.45 dBm	-17.45 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93614 GHz	-43.81 dBm	-18.81 dB

Date: 18.OCT.2018 10:48:29

Middle Channel / QPSK

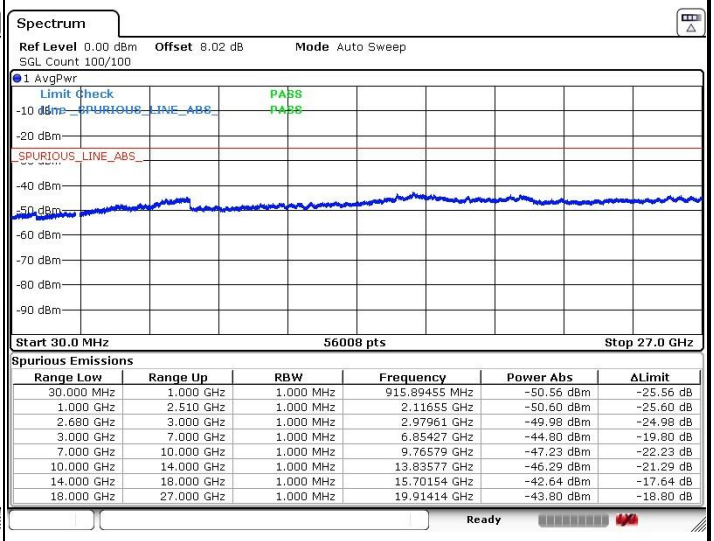


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	883.41579 MHz	-50.66 dBm	-25.66 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.13580 GHz	-50.69 dBm	-25.69 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99208 GHz	-49.98 dBm	-24.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93826 GHz	-45.01 dBm	-20.01 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.73929 GHz	-47.37 dBm	-22.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.72528 GHz	-46.29 dBm	-21.29 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73903 GHz	-42.76 dBm	-17.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92014 GHz	-43.91 dBm	-18.91 dB

Date: 18.OCT.2018 10:56:49

Middle Channel / 16QAM



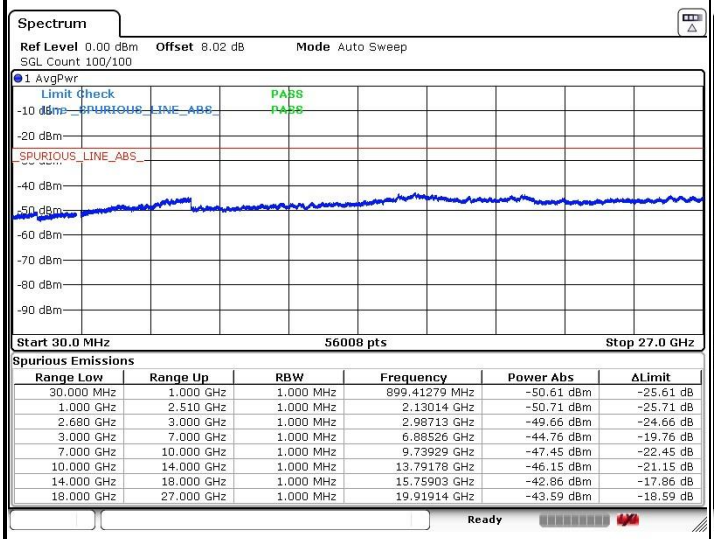
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.89455 MHz	-50.56 dBm	-25.56 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.11655 GHz	-50.60 dBm	-25.60 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97961 GHz	-49.98 dBm	-24.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85427 GHz	-44.80 dBm	-19.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76579 GHz	-47.23 dBm	-22.23 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.83577 GHz	-46.29 dBm	-21.29 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70154 GHz	-42.64 dBm	-17.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91414 GHz	-43.80 dBm	-18.80 dB

Date: 18.OCT.2018 10:56:02

LTE Band 41 / 15MHz

Highest Channel / QPSK

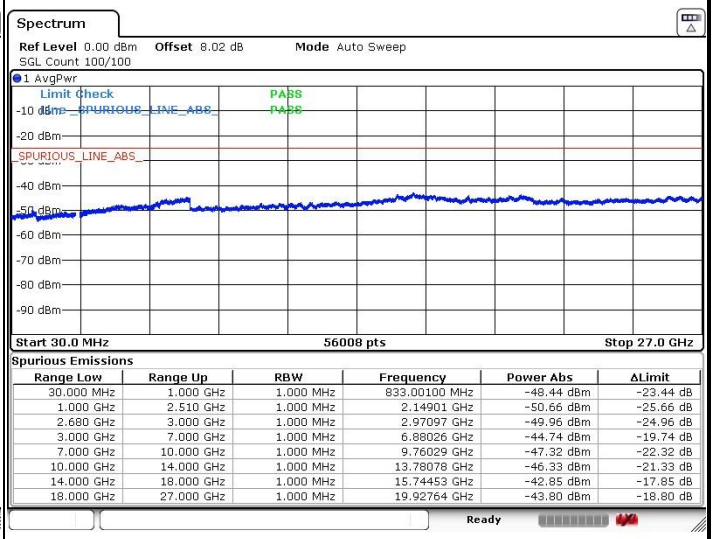


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.41279 MHz	-50.61 dBm	-25.61 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.13014 GHz	-50.71 dBm	-25.71 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.98713 GHz	-49.66 dBm	-24.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88526 GHz	-44.76 dBm	-19.76 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.73929 GHz	-47.45 dBm	-22.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79178 GHz	-46.15 dBm	-21.15 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75903 GHz	-42.86 dBm	-17.86 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91914 GHz	-43.59 dBm	-18.59 dB

Date: 18.OCT.2018 10:57:46

Highest Channel / 16QAM



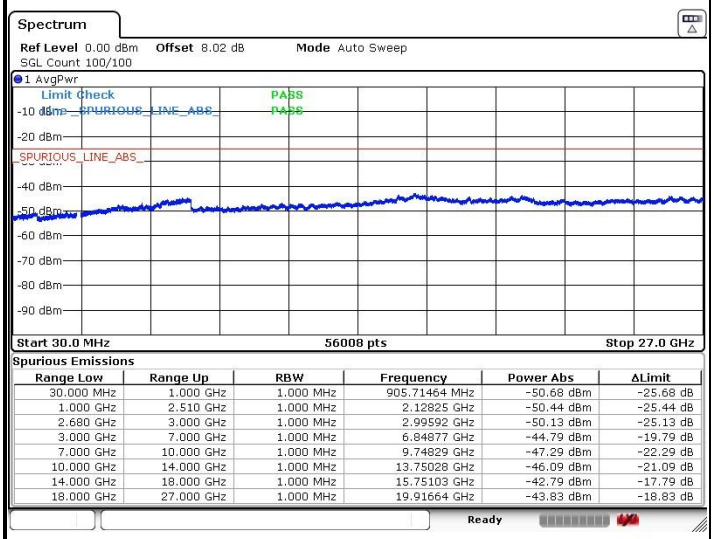
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	833.00100 MHz	-48.44 dBm	-23.44 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.14901 GHz	-50.66 dBm	-25.66 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97097 GHz	-49.96 dBm	-24.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88026 GHz	-44.74 dBm	-19.74 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76029 GHz	-47.32 dBm	-22.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.78078 GHz	-46.33 dBm	-21.33 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74453 GHz	-42.85 dBm	-17.85 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92764 GHz	-43.80 dBm	-18.80 dB

Date: 18.OCT.2018 10:58:36

LTE Band 41 / 15MHz

Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.71464 MHz	-50.68 dBm	-25.68 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.12825 GHz	-50.44 dBm	-25.44 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99592 GHz	-50.13 dBm	-25.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84877 GHz	-44.79 dBm	-19.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74829 GHz	-47.29 dBm	-22.29 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75028 GHz	-46.09 dBm	-21.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75103 GHz	-42.79 dBm	-17.79 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91664 GHz	-43.83 dBm	-18.83 dB

Date: 18.OCT.2018 10:50:07

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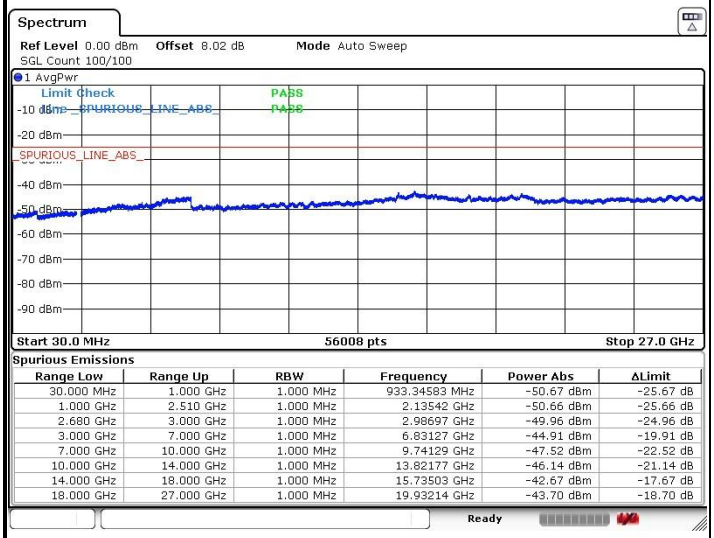
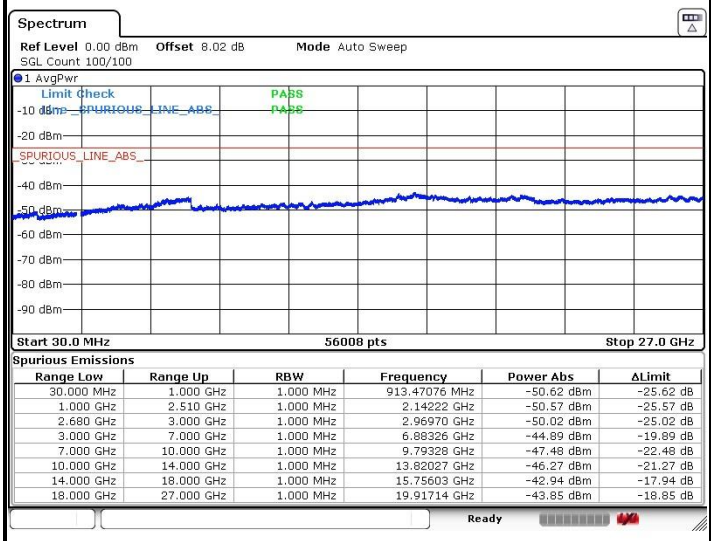
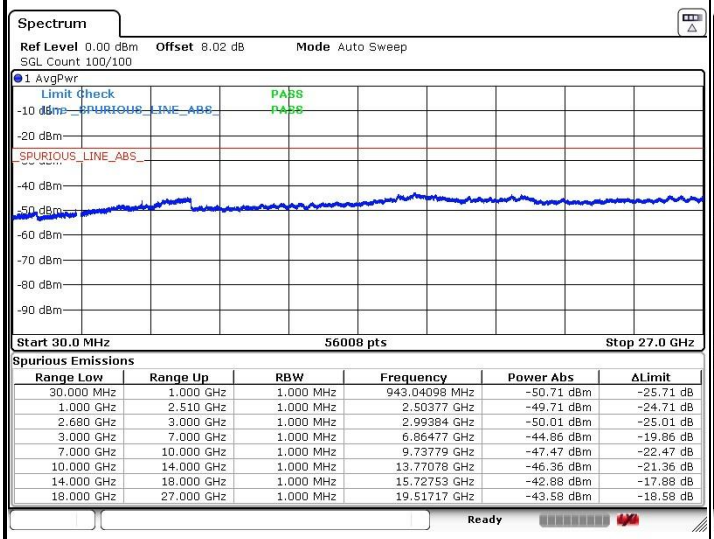
Middle Channel / 64QAM	-
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 30.000 MHz / 1.000 GHz / 1.000 MHz / 933.34583 MHz / -50.67 dBm / -25.67 dB 1.000 GHz / 2.510 GHz / 1.000 MHz / 2.13542 GHz / -50.66 dBm / -25.66 dB 2.680 GHz / 3.000 GHz / 1.000 MHz / 2.98697 GHz / -49.96 dBm / -24.96 dB 3.000 GHz / 7.000 GHz / 1.000 MHz / 6.83127 GHz / -44.91 dBm / -19.91 dB 7.000 GHz / 10.000 GHz / 1.000 MHz / 9.74129 GHz / -47.52 dBm / -22.52 dB 10.000 GHz / 14.000 GHz / 1.000 MHz / 13.82177 GHz / -46.14 dBm / -21.14 dB 14.000 GHz / 18.000 GHz / 1.000 MHz / 15.73503 GHz / -42.67 dBm / -17.67 dB 18.000 GHz / 27.000 GHz / 1.000 MHz / 19.93214 GHz / -43.70 dBm / -18.70 dB Date: 18.OCT.2018 10:50:57	-
Highest Channel / 64QAM	**-**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 30.000 MHz / 1.000 GHz / 1.000 MHz / 913.47076 MHz / -50.62 dBm / -25.62 dB 1.000 GHz / 2.510 GHz / 1.000 MHz / 2.14222 GHz / -50.57 dBm / -25.57 dB 2.680 GHz / 3.000 GHz / 1.000 MHz / 2.96970 GHz / -50.02 dBm / -25.02 dB 3.000 GHz / 7.000 GHz / 1.000 MHz / 6.88326 GHz / -44.89 dBm / -19.89 dB 7.000 GHz / 10.000 GHz / 1.000 MHz / 9.79328 GHz / -47.48 dBm / -22.48 dB 10.000 GHz / 14.000 GHz / 1.000 MHz / 13.82027 GHz / -46.27 dBm / -21.27 dB 14.000 GHz / 18.000 GHz / 1.000 MHz / 15.75603 GHz / -42.94 dBm / -17.94 dB 18.000 GHz / 27.000 GHz / 1.000 MHz / 19.91714 GHz / -43.85 dBm / -18.85 dB Date: 18.OCT.2018 10:59:26	-

LTE Band 41 / 20MHz

Lowest Channel / QPSK

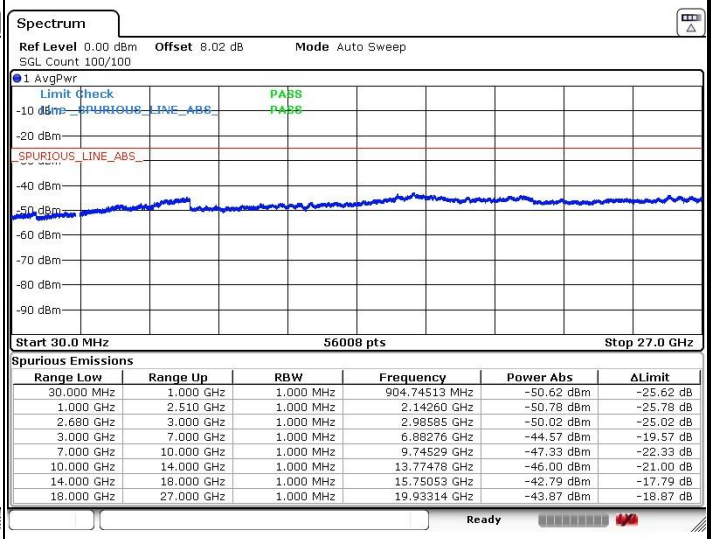


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.04098 MHz	-50.71 dBm	-25.71 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.50377 GHz	-49.71 dBm	-24.71 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99384 GHz	-50.01 dBm	-25.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86477 GHz	-44.86 dBm	-19.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.73779 GHz	-47.47 dBm	-22.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77078 GHz	-46.36 dBm	-21.36 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72753 GHz	-42.88 dBm	-17.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.51717 GHz	-43.58 dBm	-18.58 dB

Date: 18.OCT.2018 11:00:39

Lowest Channel / 16QAM



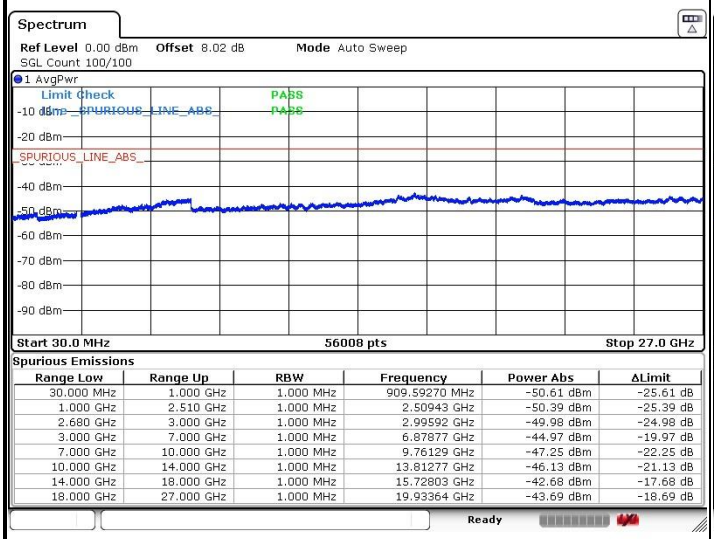
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-50.62 dBm	-25.62 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.14260 GHz	-50.78 dBm	-25.78 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.98585 GHz	-50.02 dBm	-25.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88276 GHz	-44.57 dBm	-19.57 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74529 GHz	-47.33 dBm	-22.33 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77478 GHz	-46.00 dBm	-21.00 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75053 GHz	-42.79 dBm	-17.79 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93314 GHz	-43.87 dBm	-18.87 dB

Date: 18.OCT.2018 11:01:30

LTE Band 41 / 20MHz

Middle Channel / QPSK

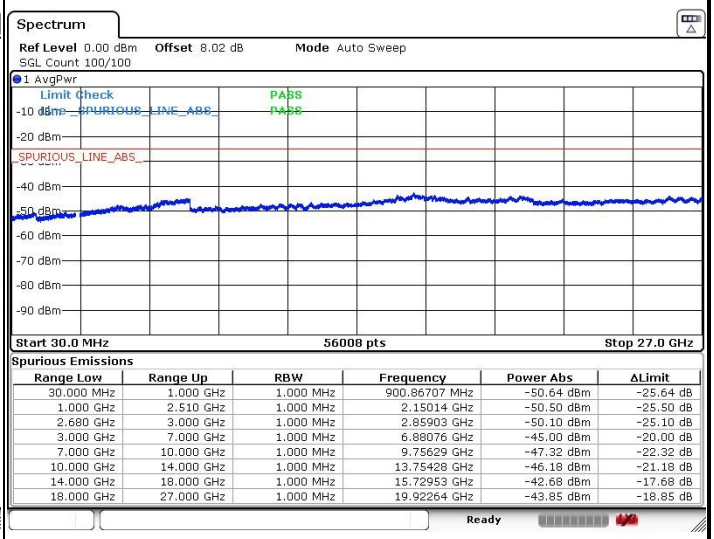


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-50.61 dBm	-25.61 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.50943 GHz	-50.39 dBm	-25.39 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99592 GHz	-49.98 dBm	-24.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87877 GHz	-44.97 dBm	-19.97 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76129 GHz	-47.25 dBm	-22.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81277 GHz	-46.13 dBm	-21.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72803 GHz	-42.68 dBm	-17.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93364 GHz	-43.69 dBm	-18.69 dB

Date: 18.OCT.2018 11:04:58

Middle Channel / 16QAM

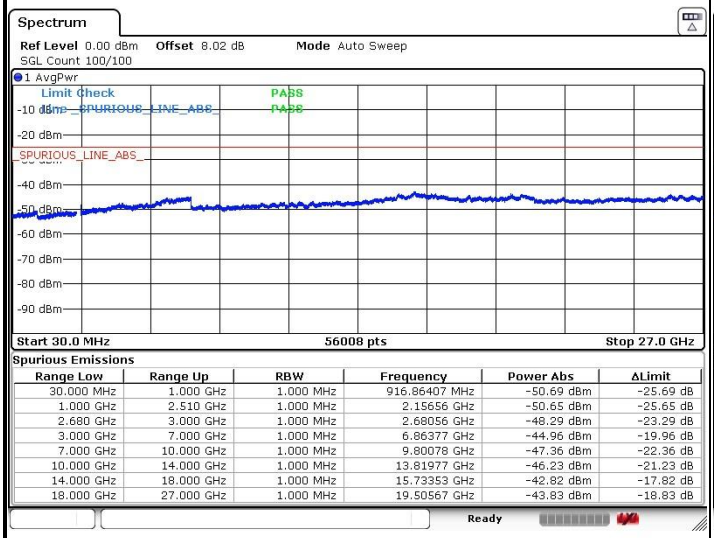


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.86707 MHz	-50.64 dBm	-25.64 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.15014 GHz	-50.50 dBm	-25.50 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.85903 GHz	-50.10 dBm	-25.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88076 GHz	-45.00 dBm	-20.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75629 GHz	-47.32 dBm	-22.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75428 GHz	-46.18 dBm	-21.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72953 GHz	-42.68 dBm	-17.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92264 GHz	-43.85 dBm	-18.85 dB

Date: 18.OCT.2018 11:04:08

Highest Channel / QPSK

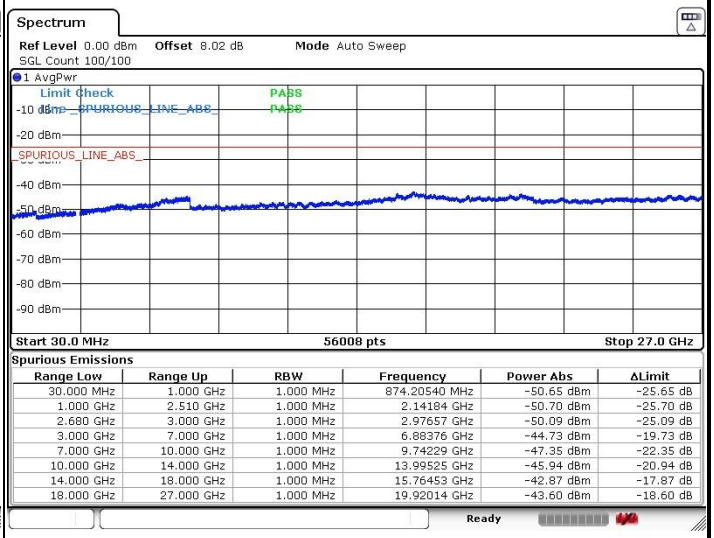


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.86407 MHz	-50.69 dBm	-25.69 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.15656 GHz	-50.65 dBm	-25.65 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.68056 GHz	-48.29 dBm	-23.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86377 GHz	-44.96 dBm	-19.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.80078 GHz	-47.36 dBm	-22.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81977 GHz	-46.23 dBm	-21.23 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73353 GHz	-42.82 dBm	-17.82 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.50567 GHz	-43.83 dBm	-18.83 dB

Date: 18.OCT.2018 11:05:48

Highest Channel / 16QAM



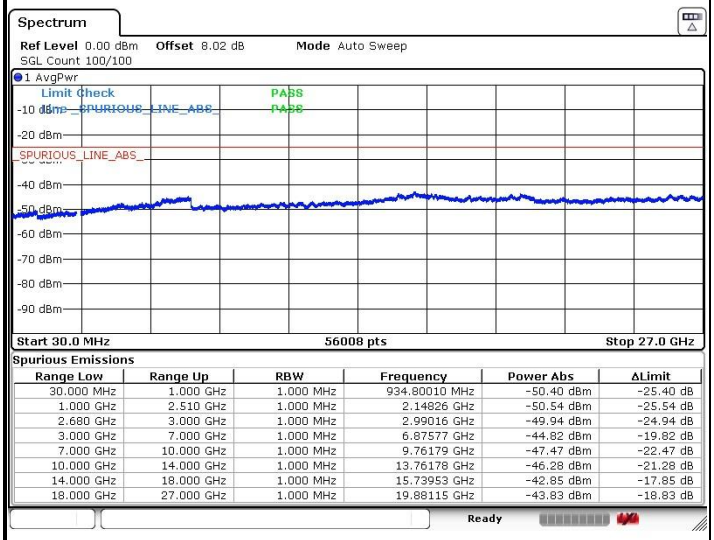
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	874.20540 MHz	-50.65 dBm	-25.65 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.14184 GHz	-50.70 dBm	-25.70 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.97657 GHz	-50.09 dBm	-25.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88376 GHz	-44.73 dBm	-19.73 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74229 GHz	-47.35 dBm	-22.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99525 GHz	-45.94 dBm	-20.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76453 GHz	-42.87 dBm	-17.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92014 GHz	-43.60 dBm	-18.60 dB

Date: 18.OCT.2018 11:06:41

LTE Band 41 / 20MHz

Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-50.40 dBm	-25.40 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.14826 GHz	-50.54 dBm	-25.54 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99016 GHz	-49.94 dBm	-24.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87577 GHz	-44.82 dBm	-19.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76179 GHz	-47.47 dBm	-22.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76178 GHz	-46.28 dBm	-21.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73953 GHz	-42.85 dBm	-17.85 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.88115 GHz	-43.83 dBm	-18.83 dB

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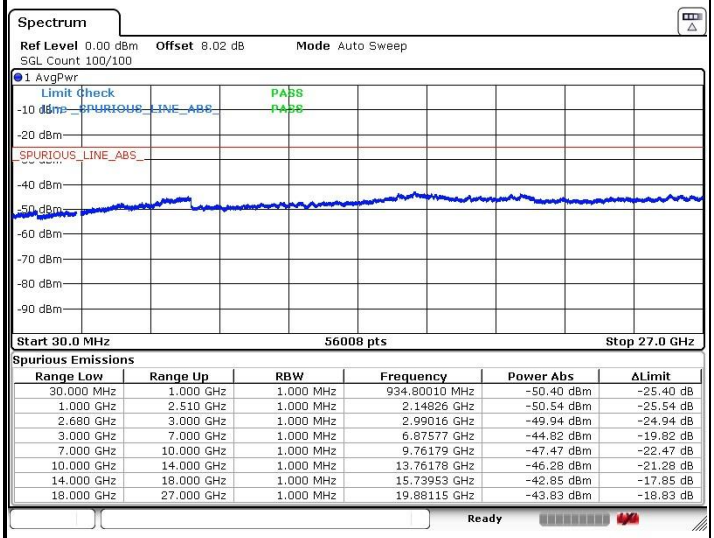
Middle Channel / 64QAM	-



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-50.40 dBm	-25.40 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.14826 GHz	-50.54 dBm	-25.54 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99016 GHz	-49.94 dBm	-24.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87577 GHz	-44.82 dBm	-19.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76179 GHz	-47.47 dBm	-22.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76178 GHz	-46.28 dBm	-21.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73953 GHz	-42.85 dBm	-17.85 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.88115 GHz	-43.83 dBm	-18.83 dB

Date: 18.OCT.2018 11:02:18

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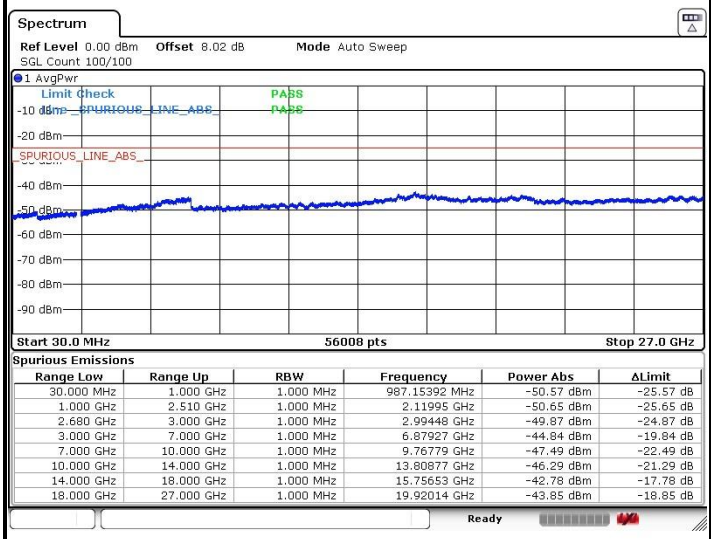
Highest Channel / 64QAM	-



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-50.57 dBm	-25.57 dB
1.000 GHz	2.510 GHz	1.000 MHz	2.11995 GHz	-50.65 dBm	-25.65 dB
2.680 GHz	3.000 GHz	1.000 MHz	2.99448 GHz	-49.87 dBm	-24.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87927 GHz	-44.84 dBm	-19.84 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76779 GHz	-47.49 dBm	-22.49 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80877 GHz	-46.29 dBm	-21.29 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75653 GHz	-42.78 dBm	-17.78 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92014 GHz	-43.85 dBm	-18.85 dB

Date: 18.OCT.2018 11:07:51

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Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.2V.；Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 41 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168	-58.12	-25	-33.12	-66.15	2.18	10.21	H
	7752	-46.86	-25	-21.86	-56.17	2.69	12.00	H
	10336	-36.03	-25	-11.03	-45.74	3.19	12.90	H
	5168	-60.78	-25	-35.78	-68.81	2.18	10.21	V
	7752	-52.12	-25	-27.12	-61.43	2.69	12.00	V
	10336	-40.95	-25	-15.95	-50.66	3.19	12.90	V

Appendix D. Reference Report

Please refer to Sporton Report Number FG890510-01B which is issued separately.