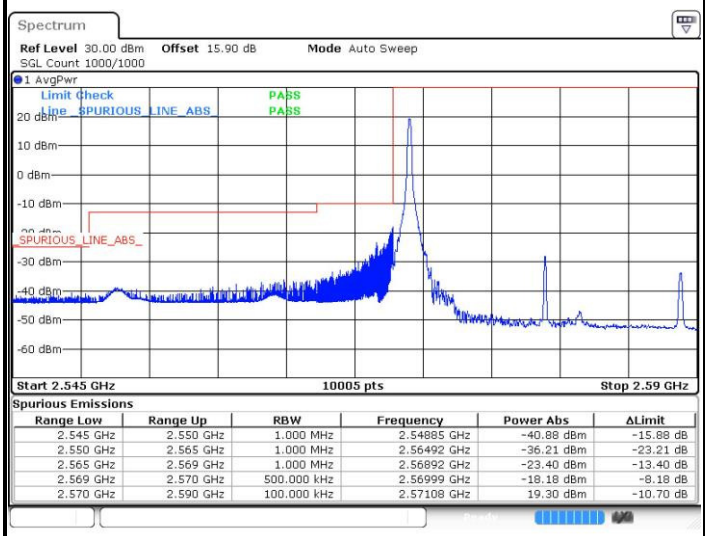
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

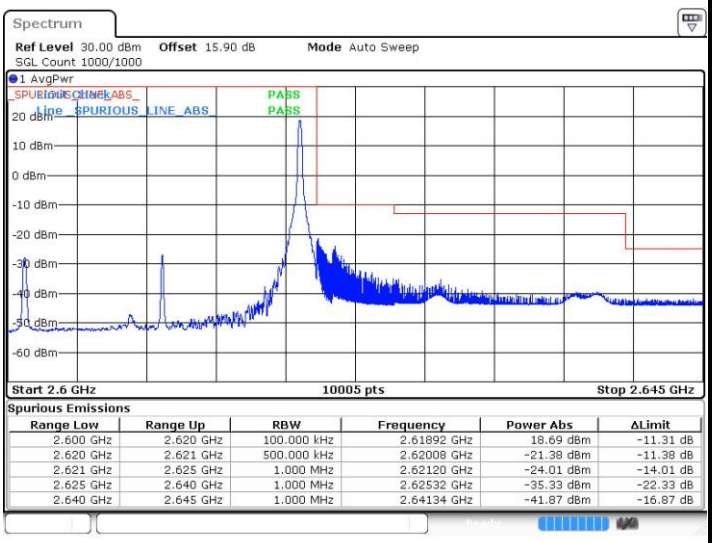


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54885 GHz	-40.88 dBm	-15.88 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.56492 GHz	-36.21 dBm	-23.21 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56892 GHz	-23.40 dBm	-13.40 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.56999 GHz	-18.18 dBm	-8.18 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.57108 GHz	19.30 dBm	-10.70 dB

Date: 20.FEB.2017 23:12:26

Highest Band Edge / 1 RB

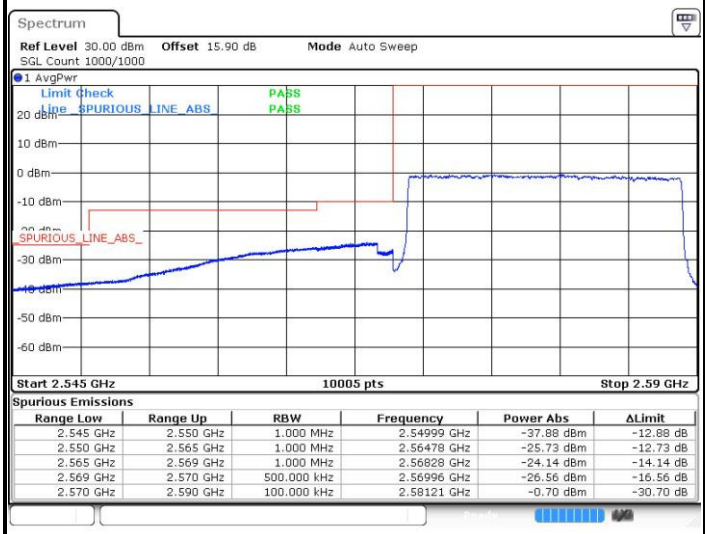


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.620 GHz	100.000 kHz	2.61892 GHz	18.69 dBm	-11.31 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62008 GHz	-21.38 dBm	-11.38 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62120 GHz	-24.01 dBm	-14.01 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.62532 GHz	-35.33 dBm	-22.33 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64134 GHz	-41.87 dBm	-16.87 dB

Date: 20.FEB.2017 23:19:21

Lowest Band Edge / Full RB

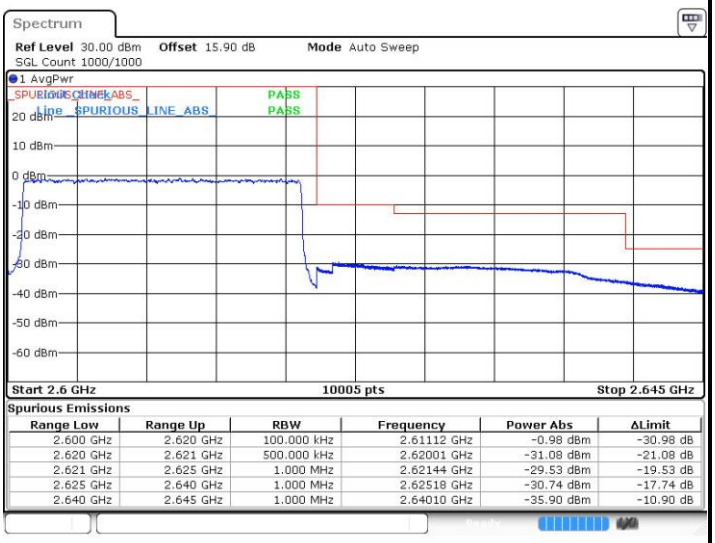


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54999 GHz	-37.88 dBm	-12.88 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.56478 GHz	-25.73 dBm	-12.73 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56828 GHz	-24.14 dBm	-14.14 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.56996 GHz	-26.56 dBm	-16.56 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.58121 GHz	-0.70 dBm	-30.70 dB

Date: 20.FEB.2017 23:14:45

Highest Band Edge / Full RB



Spurious Emissions

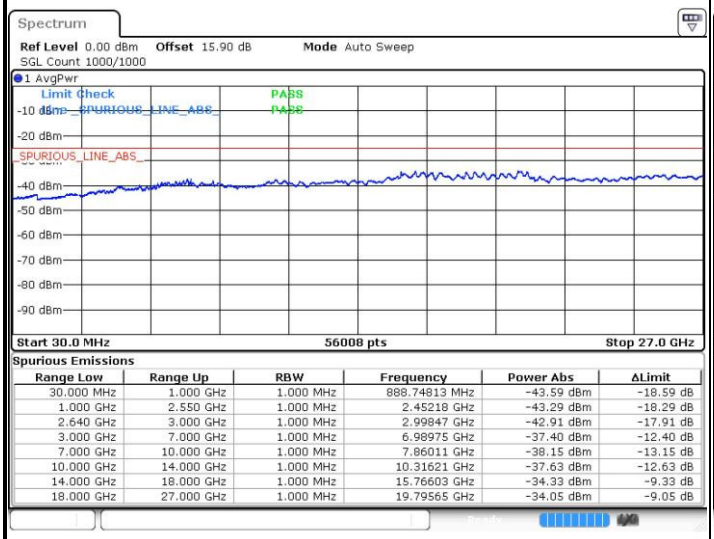
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.620 GHz	100.000 kHz	2.61112 GHz	-0.98 dBm	-30.98 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62001 GHz	-31.08 dBm	-21.08 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62144 GHz	-29.53 dBm	-19.53 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.62518 GHz	-30.74 dBm	-17.74 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64010 GHz	-35.90 dBm	-10.90 dB

Date: 20.FEB.2017 23:17:03

Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

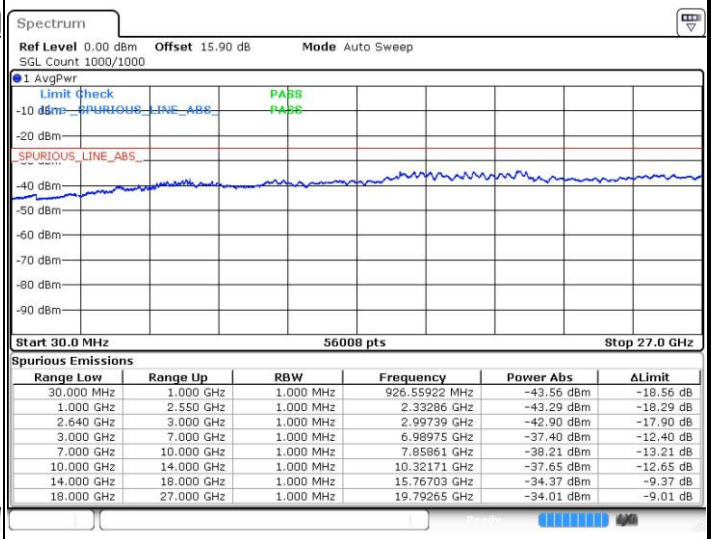


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-43.59 dBm	-18.59 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.45218 GHz	-43.29 dBm	-18.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99847 GHz	-42.91 dBm	-17.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.40 dBm	-12.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86011 GHz	-38.15 dBm	-13.15 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31621 GHz	-37.63 dBm	-12.63 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76603 GHz	-34.33 dBm	-9.33 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79565 GHz	-34.05 dBm	-9.05 dB

Date: 20.FEB.2017 23:34:44

Lowest Channel / 16QAM

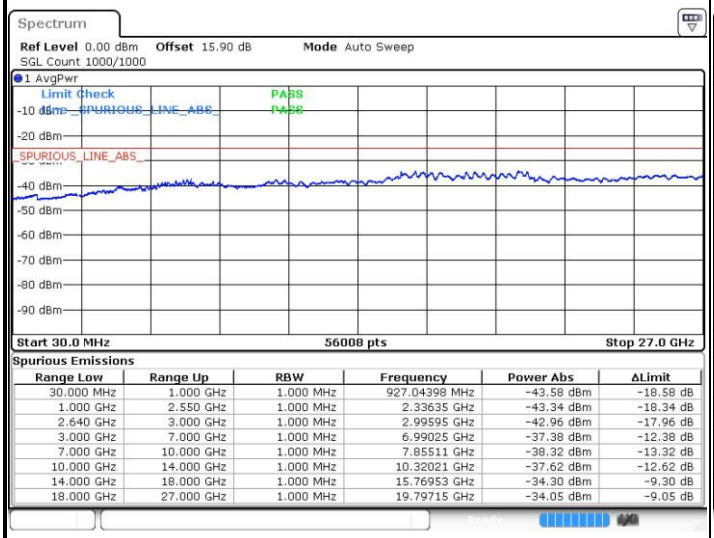


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.55922 MHz	-43.56 dBm	-18.56 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.33286 GHz	-43.29 dBm	-18.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99739 GHz	-42.90 dBm	-17.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.40 dBm	-12.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85861 GHz	-38.21 dBm	-13.21 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32171 GHz	-37.65 dBm	-12.65 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76703 GHz	-34.37 dBm	-9.37 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79265 GHz	-34.01 dBm	-9.01 dB

Date: 20.FEB.2017 23:40:58

Middle Channel / QPSK

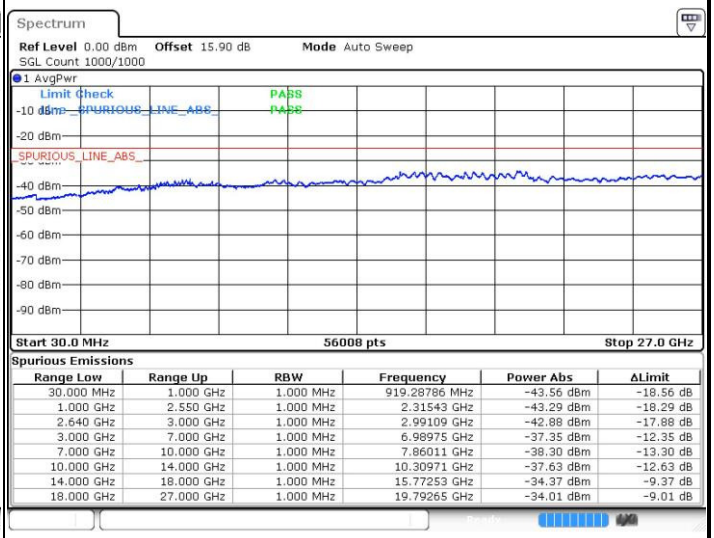


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.04398 MHz	-43.58 dBm	-18.58 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.33635 GHz	-43.34 dBm	-18.34 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99595 GHz	-42.96 dBm	-17.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-37.38 dBm	-12.38 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85511 GHz	-38.32 dBm	-13.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32021 GHz	-37.62 dBm	-12.62 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76953 GHz	-34.30 dBm	-9.30 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79715 GHz	-34.05 dBm	-9.05 dB

Date: 20.FEB.2017 23:56:11

Middle Channel / 16QAM



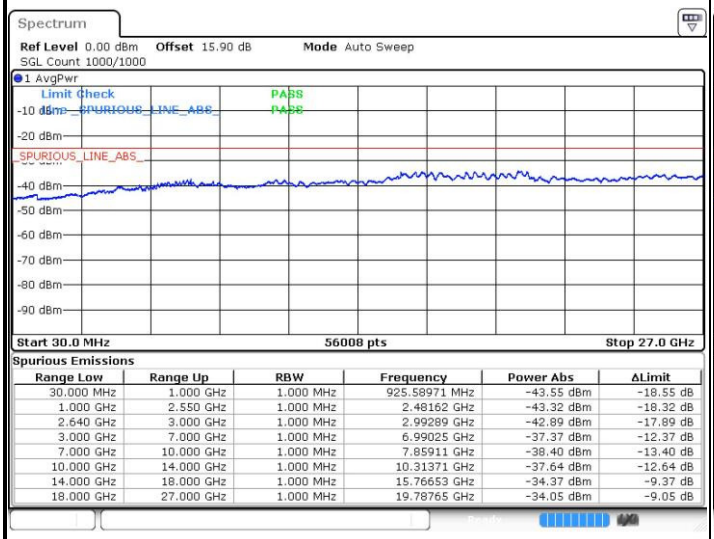
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-43.56 dBm	-18.56 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.31543 GHz	-43.29 dBm	-18.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99109 GHz	-42.88 dBm	-17.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.35 dBm	-12.35 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86011 GHz	-38.30 dBm	-13.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.30971 GHz	-37.63 dBm	-12.63 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77253 GHz	-34.37 dBm	-9.37 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79265 GHz	-34.01 dBm	-9.01 dB

Date: 20.FEB.2017 23:49:00

LTE Band 38 / 5MHz

Highest Channel / QPSK

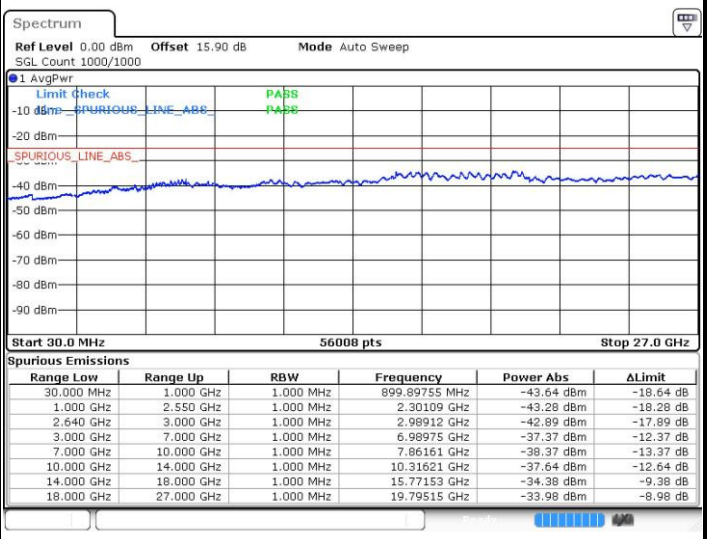


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-43.55 dBm	-18.55 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48162 GHz	-43.32 dBm	-18.32 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99289 GHz	-42.89 dBm	-17.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-37.37 dBm	-12.37 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85911 GHz	-38.40 dBm	-13.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31371 GHz	-37.64 dBm	-12.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76653 GHz	-34.37 dBm	-9.37 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.78765 GHz	-34.05 dBm	-9.05 dB

Date: 21.FEB.2017 00:03:10

Highest Channel / 16QAM



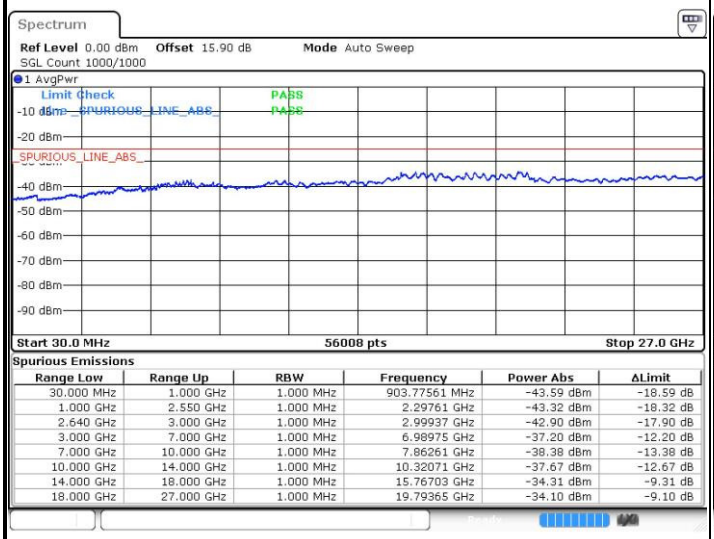
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-43.64 dBm	-18.64 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.30109 GHz	-43.28 dBm	-18.28 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98912 GHz	-42.89 dBm	-17.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.37 dBm	-12.37 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86161 GHz	-38.37 dBm	-13.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31621 GHz	-37.64 dBm	-12.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77153 GHz	-34.38 dBm	-9.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79515 GHz	-33.98 dBm	-8.98 dB

Date: 21.FEB.2017 00:09:23

LTE Band 38 / 10MHz

Lowest Channel / QPSK

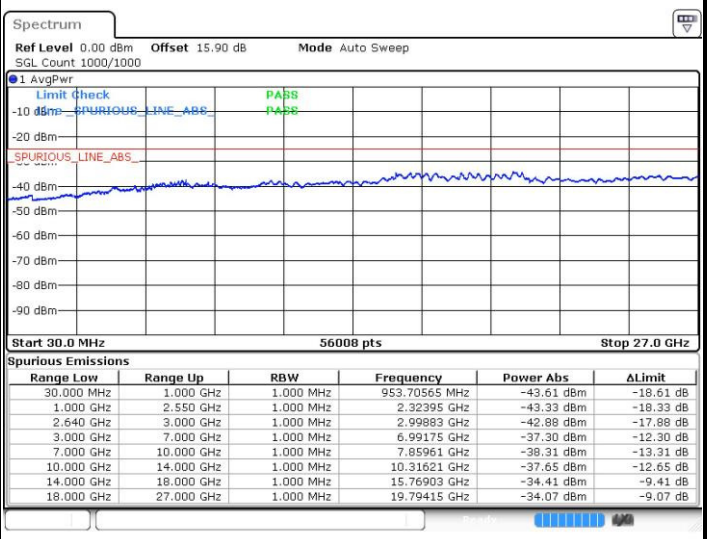


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-43.59 dBm	-18.59 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.29761 GHz	-43.32 dBm	-18.32 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99937 GHz	-42.90 dBm	-17.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.20 dBm	-12.20 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86261 GHz	-38.38 dBm	-13.38 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32071 GHz	-37.67 dBm	-12.67 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76703 GHz	-34.31 dBm	-9.31 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79365 GHz	-34.10 dBm	-9.10 dB

Date: 21.FEB.2017 00:23:48

Lowest Channel / 16QAM



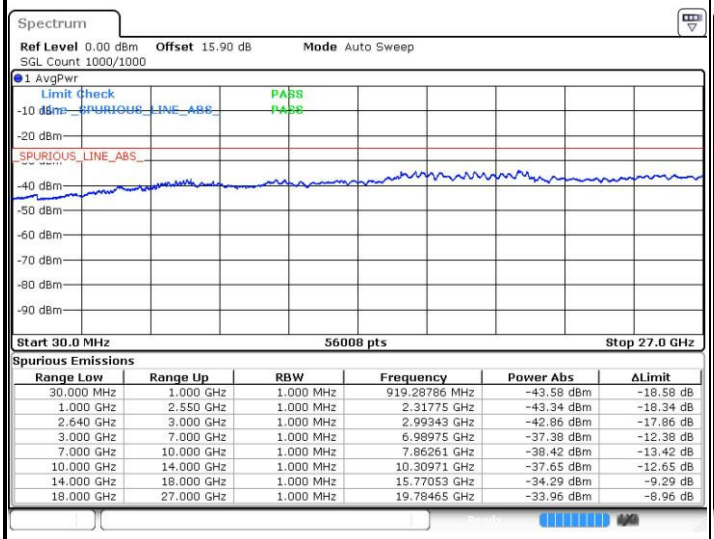
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-43.61 dBm	-18.61 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.32395 GHz	-43.33 dBm	-18.33 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99883 GHz	-42.88 dBm	-17.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-37.30 dBm	-12.30 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85961 GHz	-38.31 dBm	-13.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31621 GHz	-37.65 dBm	-12.65 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76903 GHz	-34.41 dBm	-9.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79415 GHz	-34.07 dBm	-9.07 dB

Date: 21.FEB.2017 00:16:18

LTE Band 38 / 10MHz

Middle Channel / QPSK

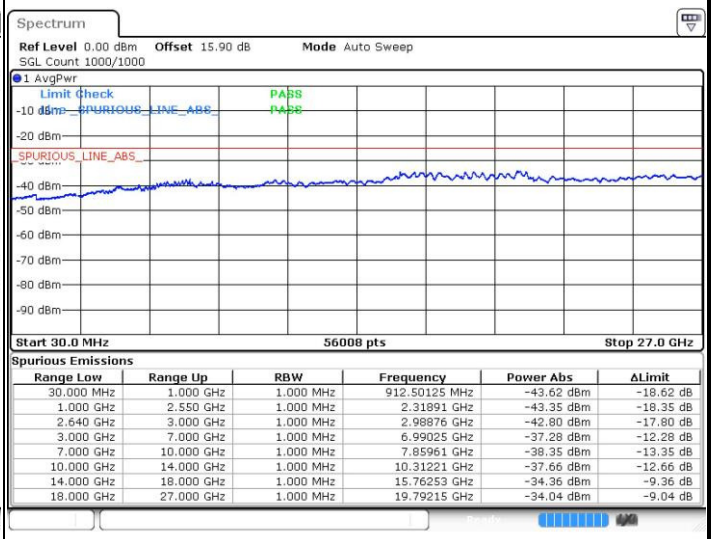


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-43.58 dBm	-18.58 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.31775 GHz	-43.34 dBm	-18.34 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99343 GHz	-42.86 dBm	-17.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.38 dBm	-12.38 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86261 GHz	-38.42 dBm	-13.42 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.30971 GHz	-37.65 dBm	-12.65 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77053 GHz	-34.29 dBm	-9.29 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.78465 GHz	-33.96 dBm	-8.96 dB

Date: 21.FEB.2017 00:33:53

Middle Channel / 16QAM

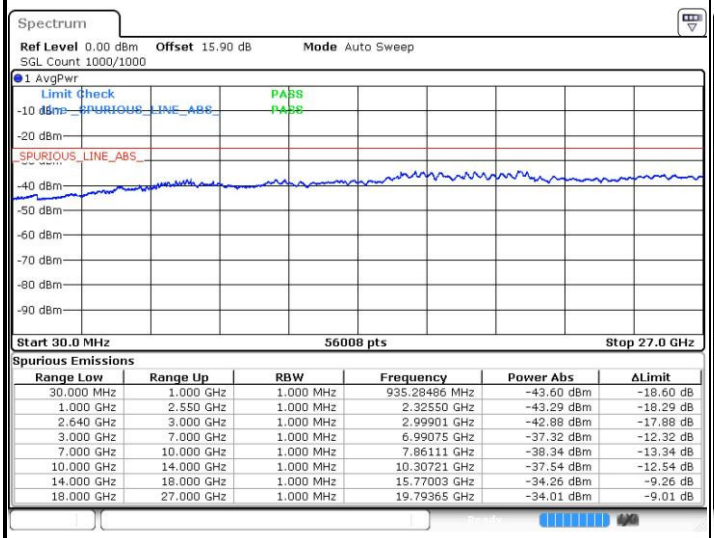


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.50125 MHz	-43.62 dBm	-18.62 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.31891 GHz	-43.35 dBm	-18.35 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98876 GHz	-42.80 dBm	-17.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-37.28 dBm	-12.28 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85961 GHz	-38.35 dBm	-13.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31221 GHz	-37.66 dBm	-12.66 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76253 GHz	-34.36 dBm	-9.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79215 GHz	-34.04 dBm	-9.04 dB

Date: 21.FEB.2017 00:41:28

Highest Channel / QPSK

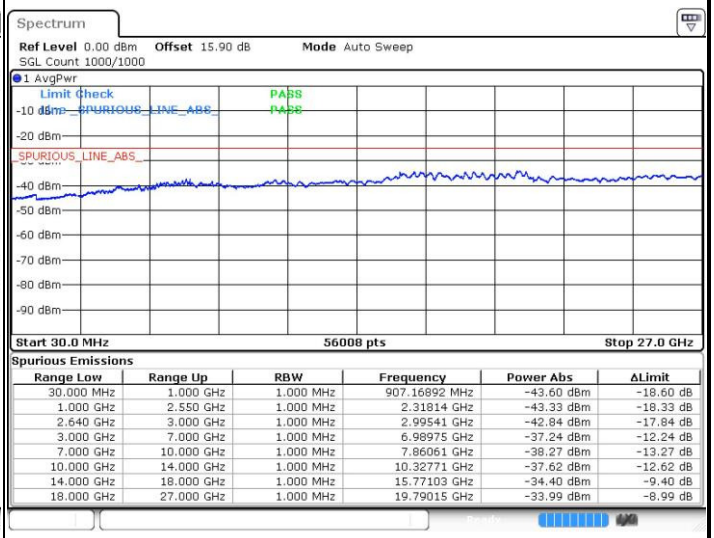


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-43.60 dBm	-18.60 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.32550 GHz	-43.29 dBm	-18.29 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99901 GHz	-42.88 dBm	-17.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-37.32 dBm	-12.32 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86111 GHz	-38.34 dBm	-13.34 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.30721 GHz	-37.54 dBm	-12.54 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77003 GHz	-34.26 dBm	-9.26 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79365 GHz	-34.01 dBm	-9.01 dB

Date: 21.FEB.2017 00:54:19

Highest Channel / 16QAM



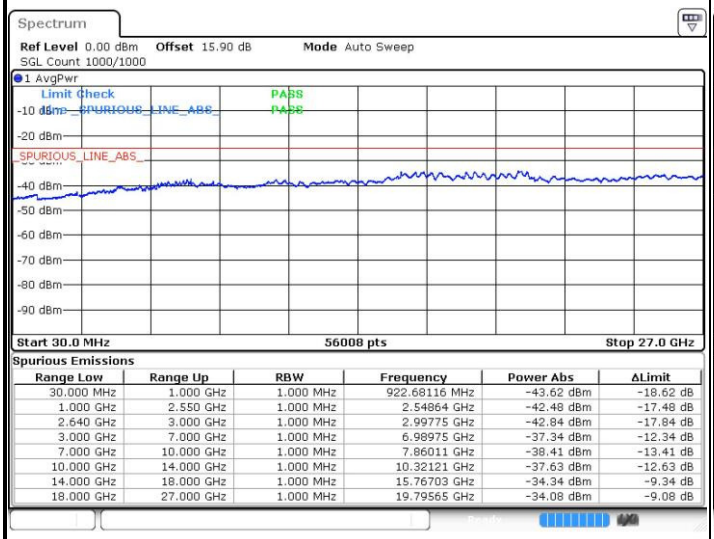
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-43.60 dBm	-18.60 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.31814 GHz	-43.33 dBm	-18.33 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99541 GHz	-42.84 dBm	-17.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.24 dBm	-12.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86061 GHz	-38.27 dBm	-13.27 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32771 GHz	-37.62 dBm	-12.62 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77103 GHz	-34.40 dBm	-9.40 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79015 GHz	-33.99 dBm	-8.99 dB

Date: 21.FEB.2017 00:47:48

LTE Band 38 / 15MHz

Lowest Channel / QPSK

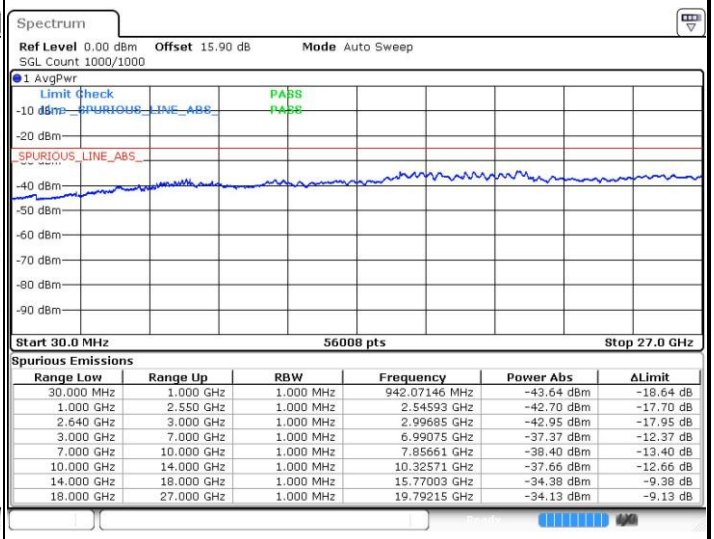


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-43.62 dBm	-18.62 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54864 GHz	-42.48 dBm	-17.48 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99775 GHz	-42.84 dBm	-17.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.34 dBm	-12.34 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86011 GHz	-38.41 dBm	-13.41 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32121 GHz	-37.63 dBm	-12.63 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76703 GHz	-34.34 dBm	-9.34 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79565 GHz	-34.08 dBm	-9.08 dB

Date: 21.FEB.2017 01:00:37

Lowest Channel / 16QAM

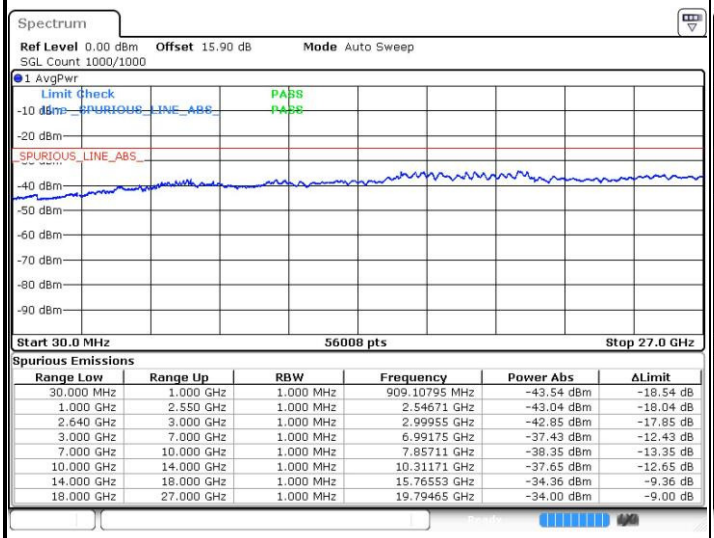


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-43.64 dBm	-18.64 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54593 GHz	-42.70 dBm	-17.70 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99685 GHz	-42.95 dBm	-17.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-37.37 dBm	-12.37 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85661 GHz	-38.40 dBm	-13.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32571 GHz	-37.66 dBm	-12.66 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77003 GHz	-34.38 dBm	-9.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79215 GHz	-34.13 dBm	-9.13 dB

Date: 21.FEB.2017 01:10:15

Middle Channel / QPSK

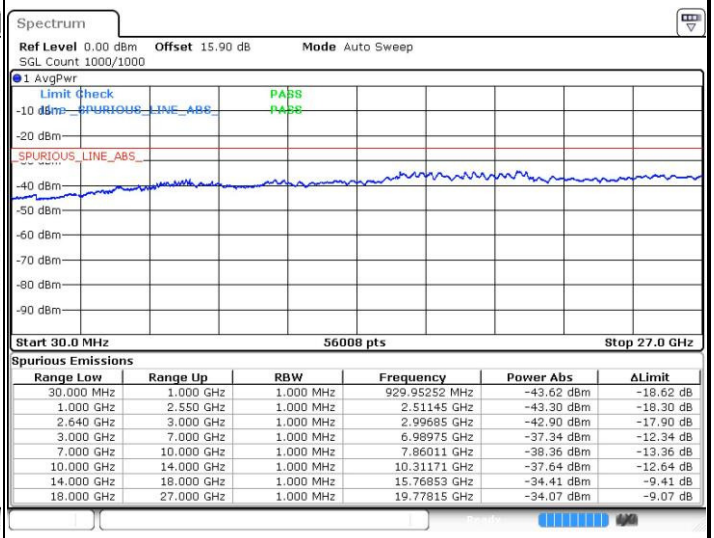


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.10795 MHz	-43.54 dBm	-18.54 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54671 GHz	-43.04 dBm	-18.04 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99955 GHz	-42.85 dBm	-17.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-37.43 dBm	-12.43 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85711 GHz	-38.35 dBm	-13.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31171 GHz	-37.65 dBm	-12.65 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76553 GHz	-34.36 dBm	-9.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79465 GHz	-34.00 dBm	-9.00 dB

Date: 21.FEB.2017 01:23:04

Middle Channel / 16QAM



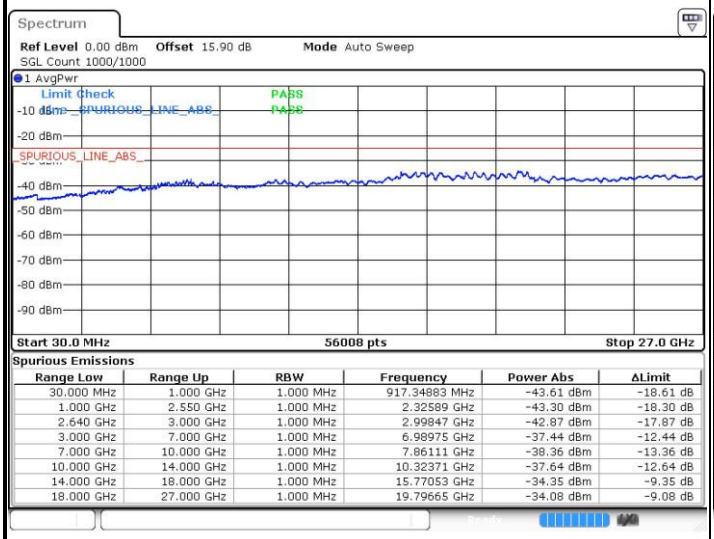
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-43.62 dBm	-18.62 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.51145 GHz	-43.30 dBm	-18.30 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99685 GHz	-42.90 dBm	-17.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.34 dBm	-12.34 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86011 GHz	-38.36 dBm	-13.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31171 GHz	-37.64 dBm	-12.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76853 GHz	-34.41 dBm	-9.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.77815 GHz	-34.07 dBm	-9.07 dB

Date: 21.FEB.2017 01:16:48

LTE Band 38 / 15MHz

Highest Channel / QPSK

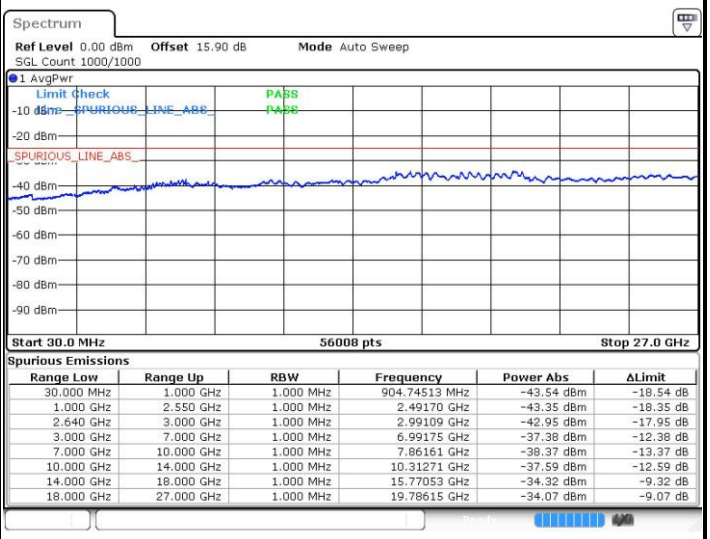


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-43.61 dBm	-18.61 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.32589 GHz	-43.30 dBm	-18.30 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99847 GHz	-42.87 dBm	-17.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.44 dBm	-12.44 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86111 GHz	-38.36 dBm	-13.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32371 GHz	-37.64 dBm	-12.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77053 GHz	-34.35 dBm	-9.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79665 GHz	-34.08 dBm	-9.08 dB

Date: 21.FEB.2017 01:29:19

Highest Channel / 16QAM



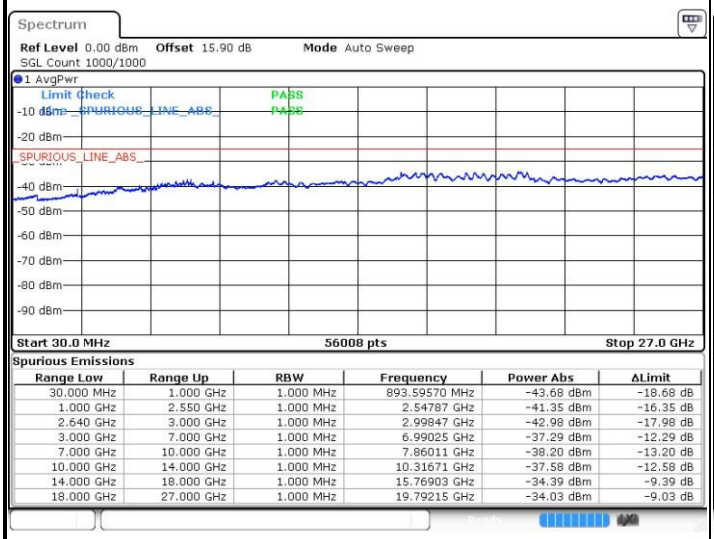
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-43.54 dBm	-18.54 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.49170 GHz	-43.35 dBm	-18.35 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99109 GHz	-42.95 dBm	-17.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-37.38 dBm	-12.38 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86161 GHz	-38.37 dBm	-13.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31271 GHz	-37.59 dBm	-12.59 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77053 GHz	-34.32 dBm	-9.32 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.78615 GHz	-34.07 dBm	-9.07 dB

Date: 21.FEB.2017 01:35:33

LTE Band 38 / 20MHz

Lowest Channel / QPSK

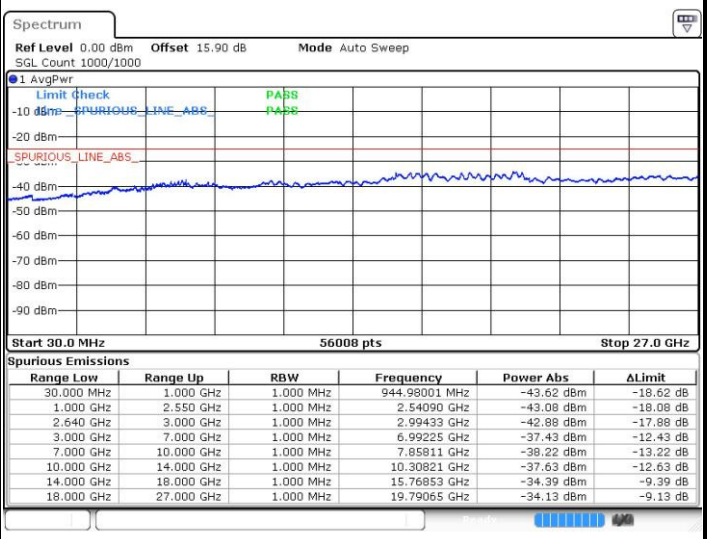


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.59570 MHz	-43.68 dBm	-18.68 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54787 GHz	-41.35 dBm	-16.35 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99847 GHz	-42.98 dBm	-17.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-37.29 dBm	-12.29 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86011 GHz	-38.20 dBm	-13.20 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31671 GHz	-37.58 dBm	-12.58 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76903 GHz	-34.39 dBm	-9.39 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79215 GHz	-34.03 dBm	-9.03 dB

Date: 21.FEB.2017 09:33:34

Lowest Channel / 16QAM



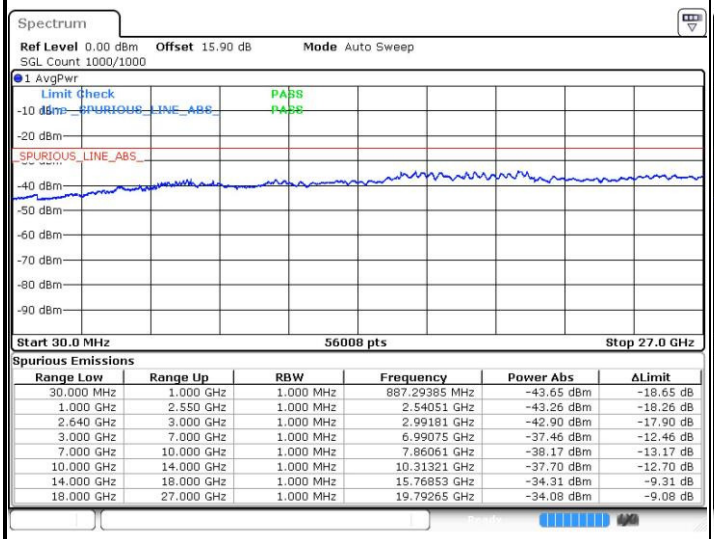
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.98001 MHz	-43.62 dBm	-18.62 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54090 GHz	-43.08 dBm	-18.08 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99433 GHz	-42.88 dBm	-17.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-37.43 dBm	-12.43 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85811 GHz	-38.22 dBm	-13.22 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.30821 GHz	-37.63 dBm	-12.63 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76853 GHz	-34.39 dBm	-9.39 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79065 GHz	-34.13 dBm	-9.13 dB

Date: 21.FEB.2017 09:26:54

LTE Band 38 / 20MHz

Middle Channel / QPSK

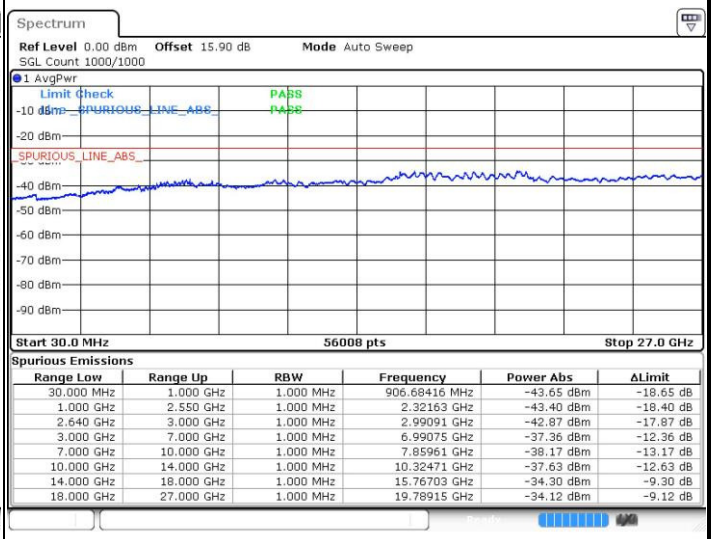


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	887.29385 MHz	-43.65 dBm	-18.65 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.54051 GHz	-43.26 dBm	-18.26 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99181 GHz	-42.90 dBm	-17.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-37.46 dBm	-12.46 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.86061 GHz	-38.17 dBm	-13.17 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.31321 GHz	-37.70 dBm	-12.70 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76853 GHz	-34.31 dBm	-9.31 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79265 GHz	-34.08 dBm	-9.08 dB

Date: 21.FEB.2017 09:40:58

Middle Channel / 16QAM

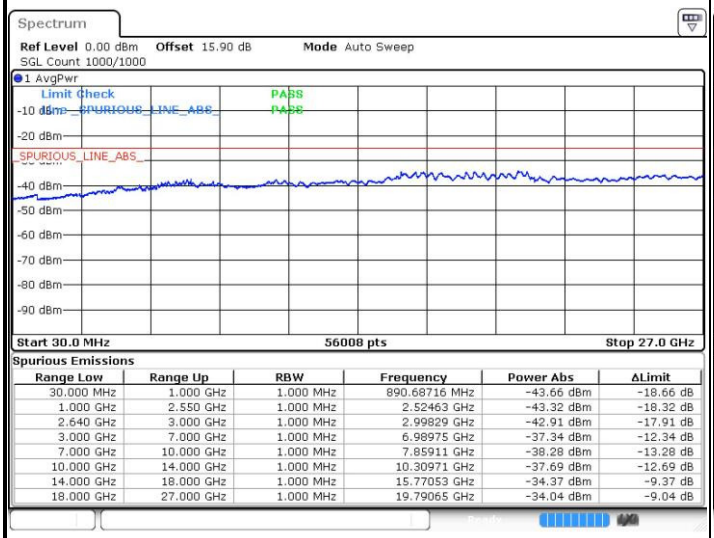


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.68416 MHz	-43.65 dBm	-18.65 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.32163 GHz	-43.40 dBm	-18.40 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99091 GHz	-42.87 dBm	-17.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-37.36 dBm	-12.36 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85961 GHz	-38.17 dBm	-13.17 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.32471 GHz	-37.63 dBm	-12.63 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76703 GHz	-34.30 dBm	-9.30 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.78915 GHz	-34.12 dBm	-9.12 dB

Date: 21.FEB.2017 09:49:00

Highest Channel / QPSK

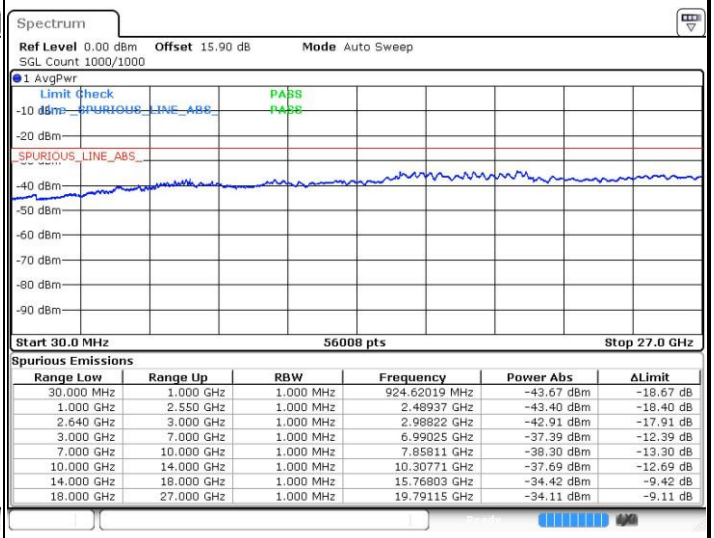


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.68716 MHz	-43.66 dBm	-18.66 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.52463 GHz	-43.32 dBm	-18.32 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.99829 GHz	-42.91 dBm	-17.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.34 dBm	-12.34 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85911 GHz	-38.28 dBm	-13.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.30971 GHz	-37.69 dBm	-12.69 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.77053 GHz	-34.37 dBm	-9.37 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79065 GHz	-34.04 dBm	-9.04 dB

Date: 21.FEB.2017 10:05:22

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-43.67 dBm	-18.67 dB
1.000 GHz	2.550 GHz	1.000 MHz	2.48937 GHz	-43.40 dBm	-18.40 dB
2.640 GHz	3.000 GHz	1.000 MHz	2.98822 GHz	-42.91 dBm	-17.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-37.39 dBm	-12.39 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85811 GHz	-38.30 dBm	-13.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.30771 GHz	-37.69 dBm	-12.69 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.76803 GHz	-34.42 dBm	-9.42 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79115 GHz	-34.11 dBm	-9.11 dB

Date: 21.FEB.2017 09:57:24

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	0.0022	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.9 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

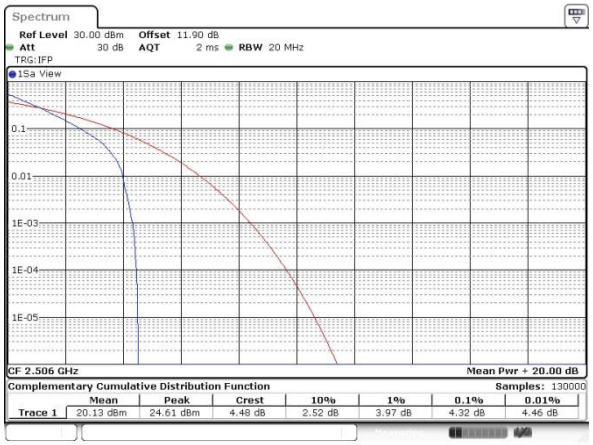
LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.32	4.81	5.1	5.74	PASS
Middle CH	4.81	5.16	5.51	6.12	
Highest CH	4.43	4.87	5.36	5.88	

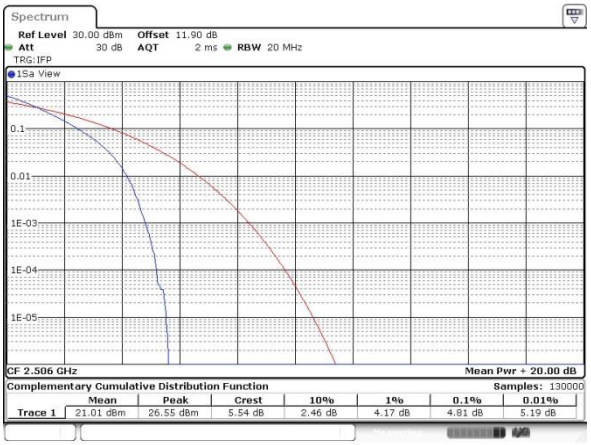
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



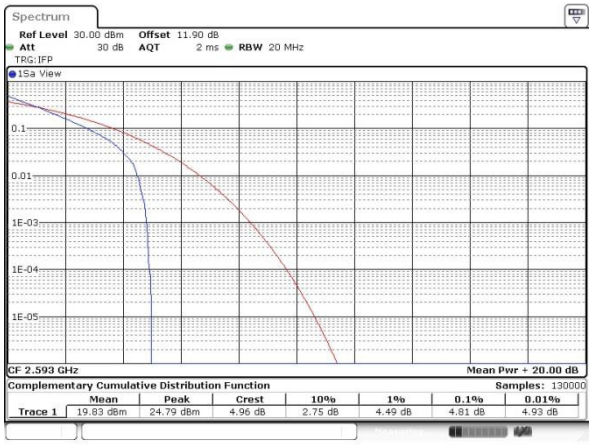
Date: 21.FEB.2017 11:21:13

Lowest Channel / Full RB



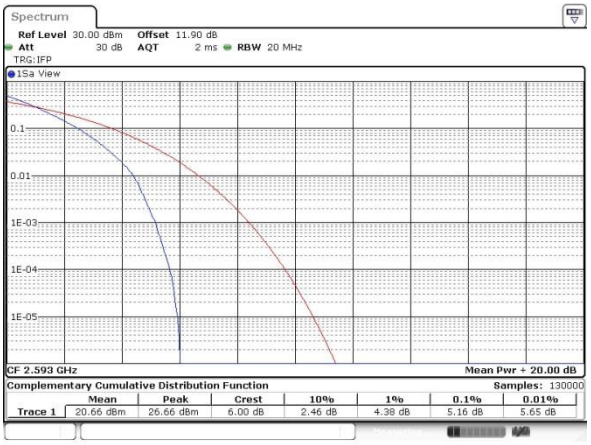
Date: 21.FEB.2017 11:21:29

Middle Channel / 1RB



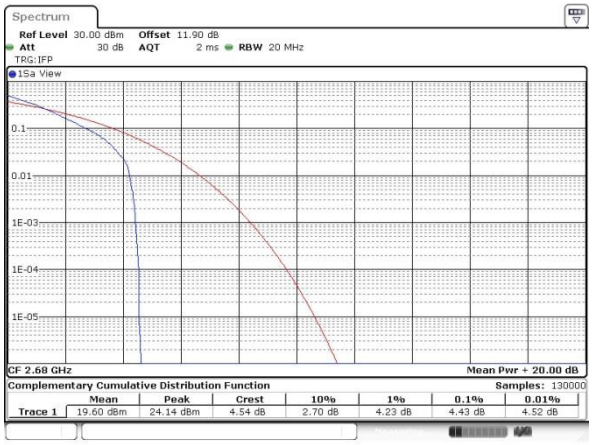
Date: 21.FEB.2017 11:21:45

Middle Channel / Full RB



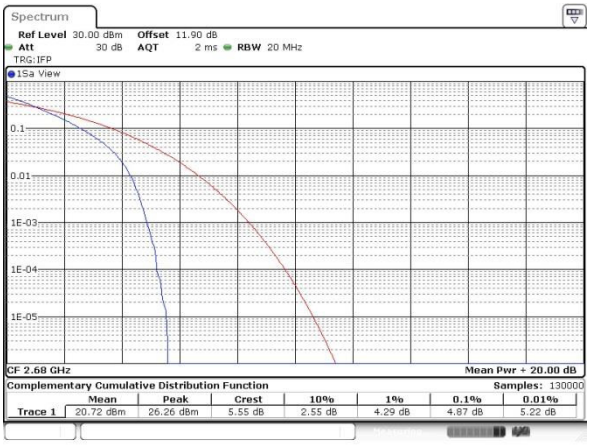
Date: 21.FEB.2017 11:22:09

Highest Channel / 1RB



Date: 21.FEB.2017 11:22:26

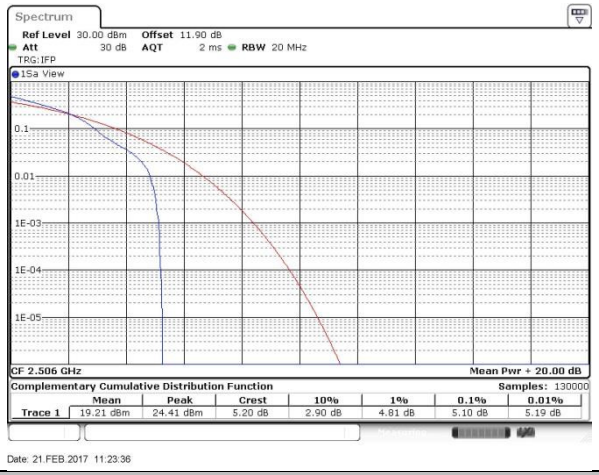
Highest Channel / Full RB



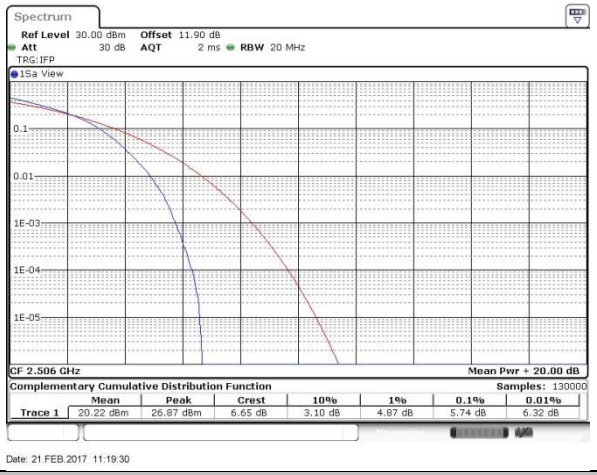
Date: 21.FEB.2017 11:22:42

LTE Band 41 / 20MHz / 16QAM

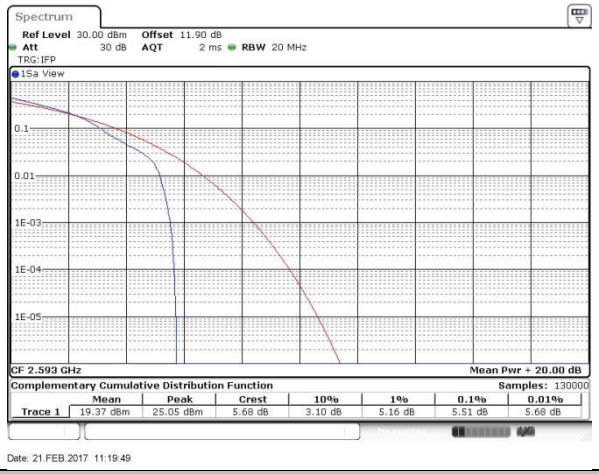
Lowest Channel / 1RB



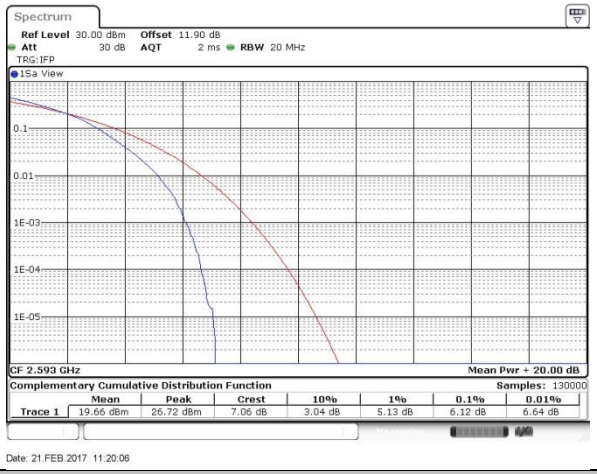
Lowest Channel / Full RB



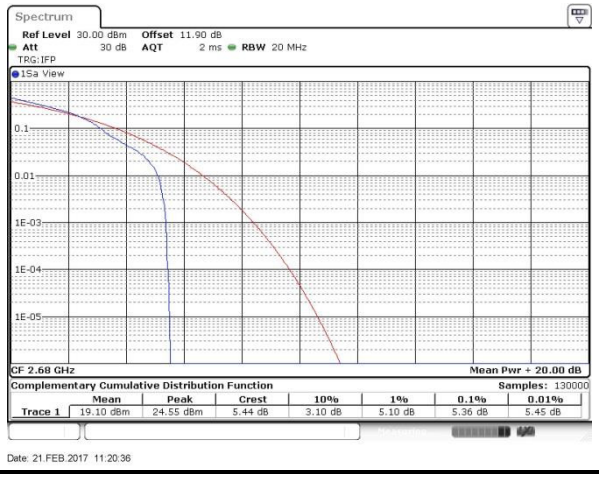
Middle Channel / 1RB



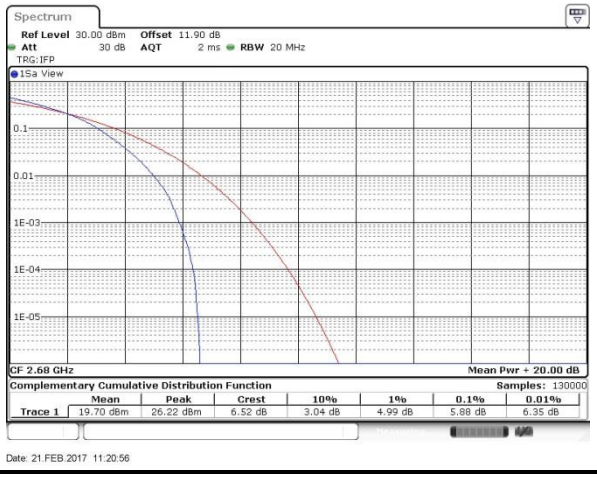
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

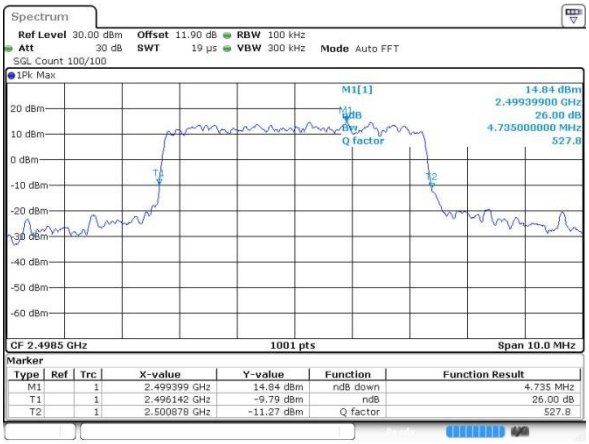


26dB Bandwidth

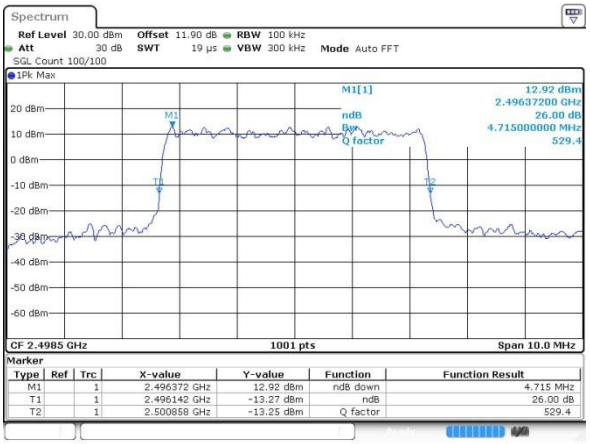
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.74	4.72	9.87	9.89	14.18	14.18	20.02	20.02
Middle CH	-	-	-	-	4.97	4.86	9.65	9.69	14.42	14.63	20.22	20.26
Highest CH	-	-	-	-	5.03	4.94	9.71	9.77	14.36	14.48	20.10	20.10

LTE Band 41

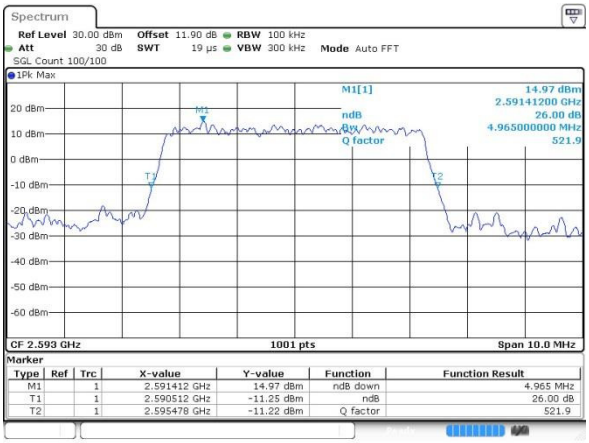
Lowest Channel / 5MHz / QPSK



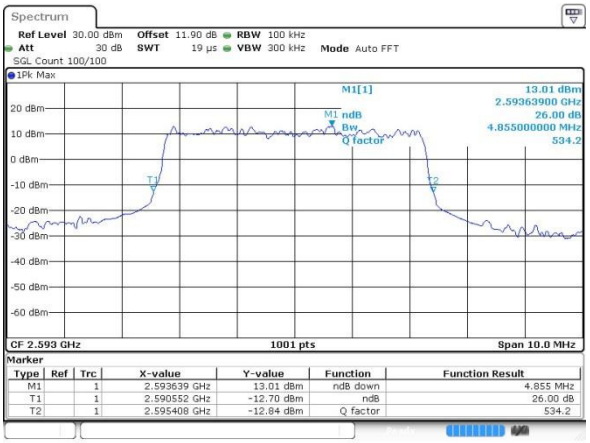
Lowest Channel / 5MHz / 16QAM



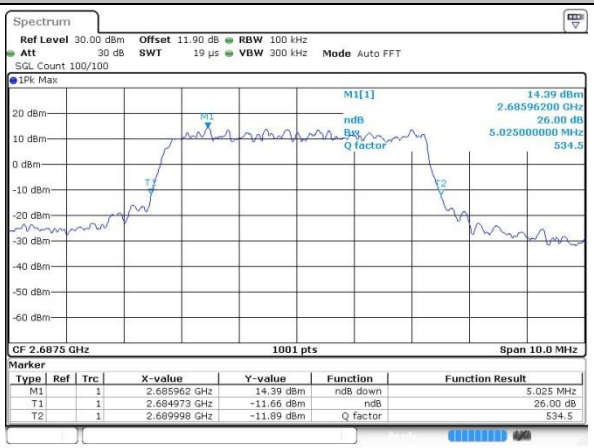
Middle Channel / 5MHz / QPSK



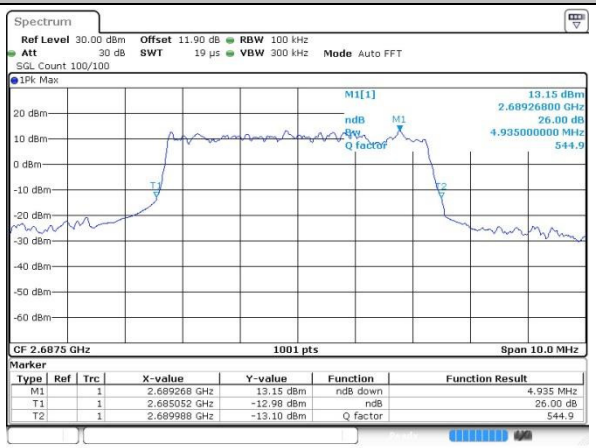
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

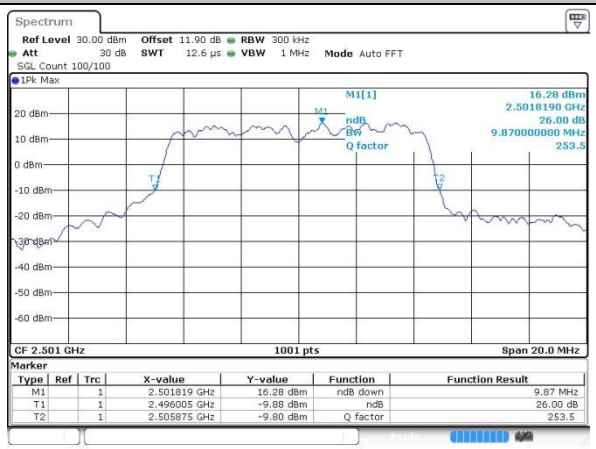


Highest Channel / 5MHz / 16QAM



LTE Band 41

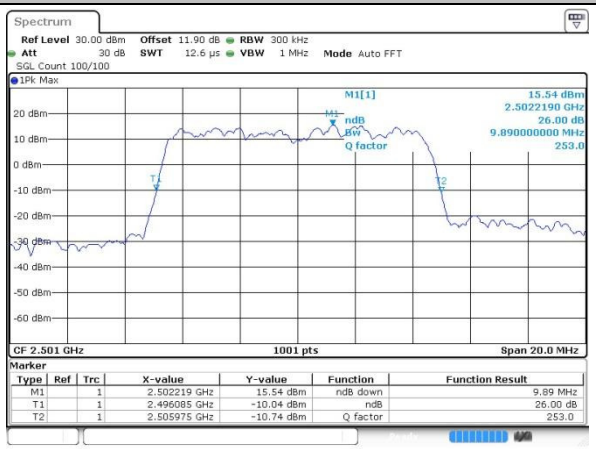
Lowest Channel / 10MHz / QPSK



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.501819 GHz	16.28 dBm	ndB down	9.87 MHz
T1		1	2.496005 GHz	-9.88 dBm	ndB	26.00 dB
T2		1	2.505875 GHz	-9.80 dBm	Q factor	253.5

Date: 21.FEB.2017 11:11:45

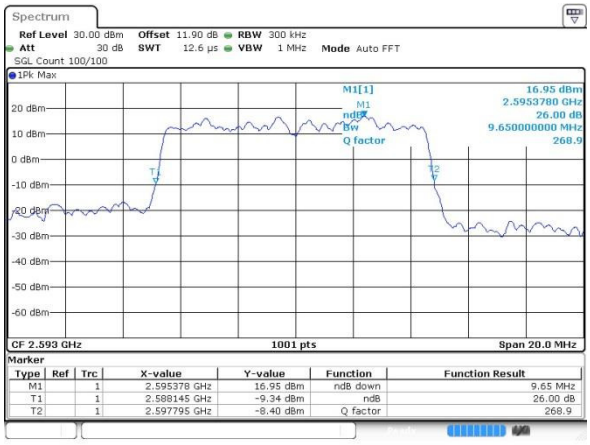
Lowest Channel / 10MHz / 16QAM



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.502219 GHz	15.54 dBm	ndB down	9.89 MHz
T1		1	2.496085 GHz	-10.04 dBm	ndB	26.00 dB
T2		1	2.505975 GHz	-10.74 dBm	Q factor	253.0

Date: 21.FEB.2017 11:11:55

Middle Channel / 10MHz / QPSK



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.595378 GHz	16.95 dBm	ndB down	9.65 MHz
T1		1	2.588145 GHz	-9.34 dBm	ndB	26.00 dB
T2		1	2.597795 GHz	-8.40 dBm	Q factor	268.9

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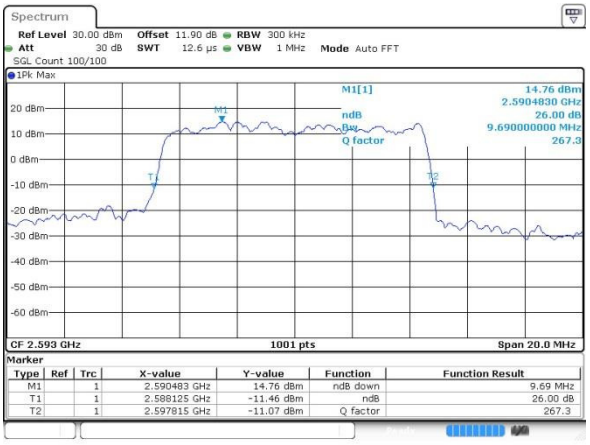
Middle Channel / 10MHz / 16QAM



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.590483 GHz	14.76 dBm	ndB down	9.69 MHz
T1		1	2.588125 GHz	-11.46 dBm	ndB	26.00 dB
T2		1	2.597815 GHz	-11.07 dBm	Q factor	267.3

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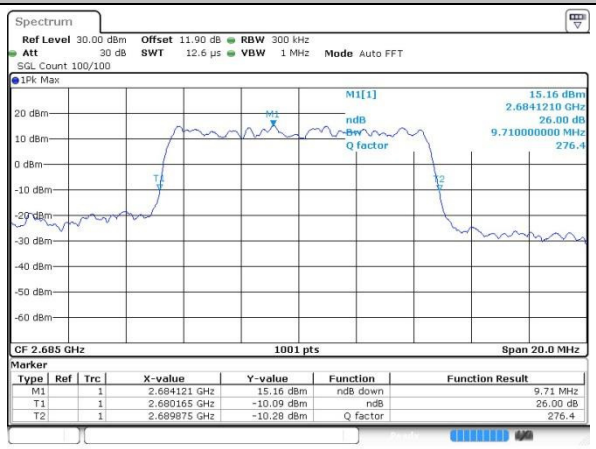
Highest Channel / 10MHz / QPSK



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.684121 GHz	15.16 dBm	ndB down	9.71 MHz
T1		1	2.680165 GHz	-10.09 dBm	ndB	26.00 dB
T2		1	2.689875 GHz	-10.28 dBm	Q factor	276.4

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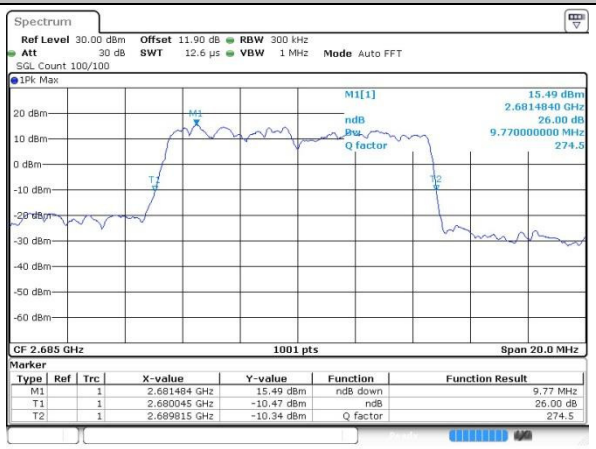
Highest Channel / 10MHz / 16QAM



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.681484 GHz	15.49 dBm	ndB down	9.77 MHz
T1		1	2.680045 GHz	-10.47 dBm	ndB	26.00 dB
T2		1	2.689815 GHz	-10.34 dBm	Q factor	274.5

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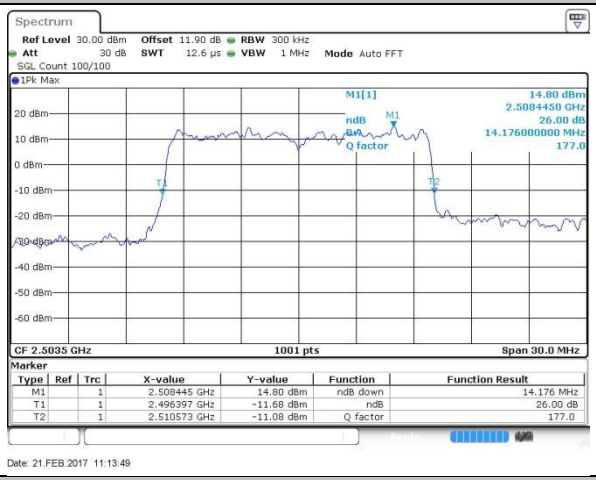
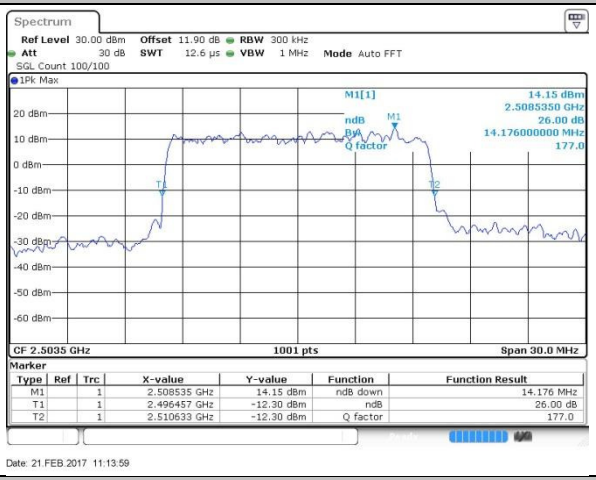
LTE Band 41

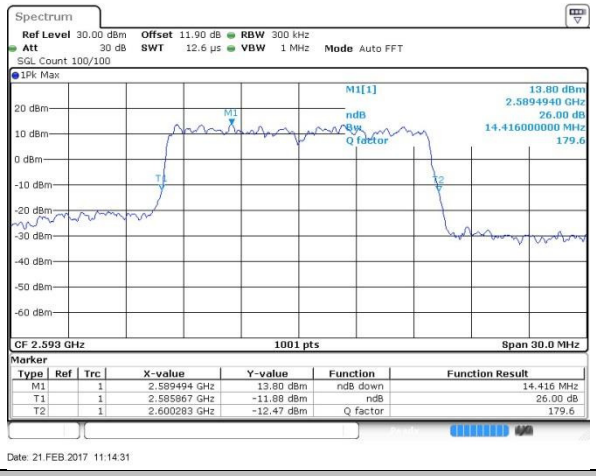
Lowest Channel / 15MHz / QPSK



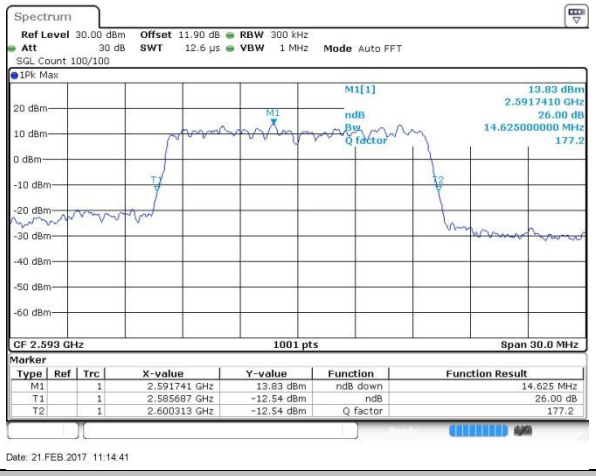
Lowest Channel / 15MHz / 16QAM



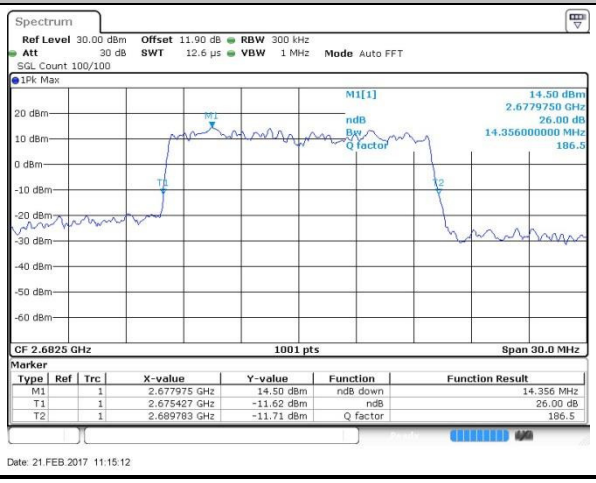
Middle Channel / 15MHz / QPSK



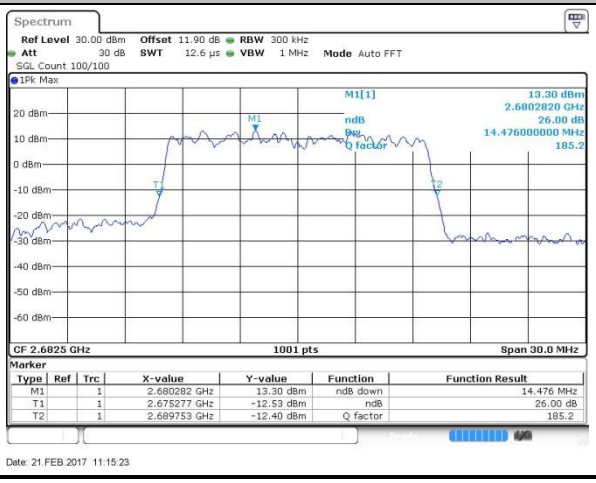
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

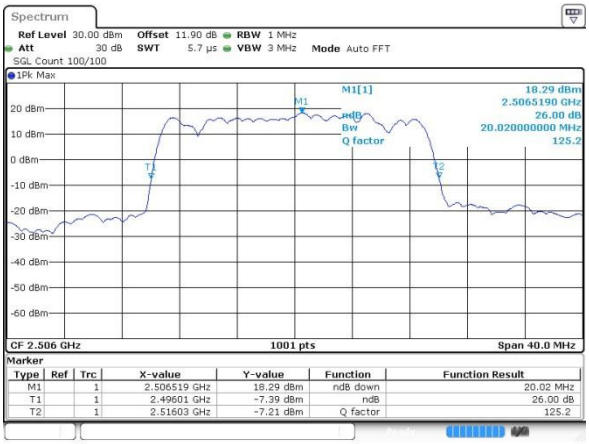


Highest Channel / 15MHz / 16QAM

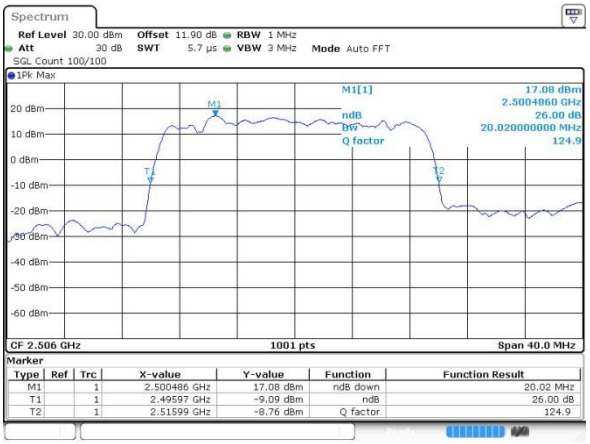


LTE Band 41

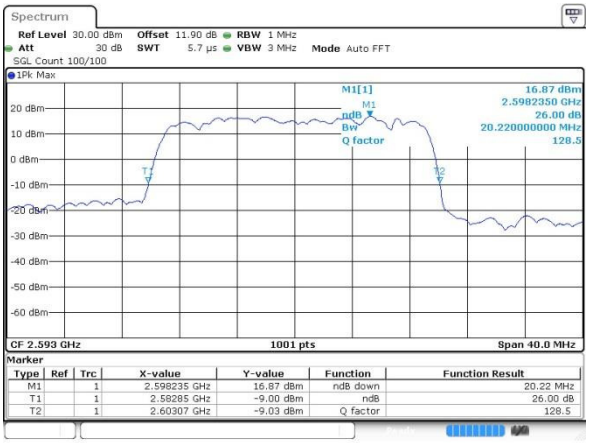
Lowest Channel / 20MHz / QPSK



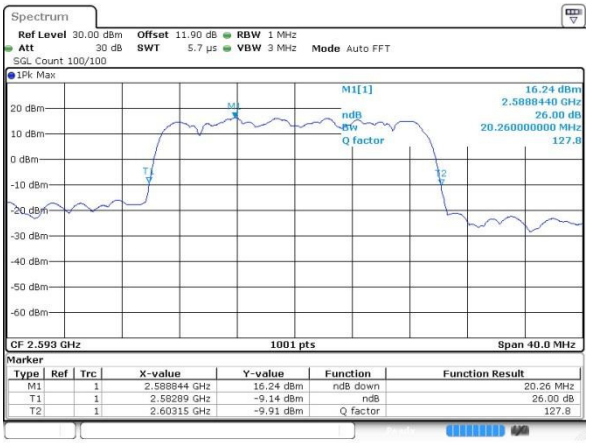
Lowest Channel / 20MHz / 16QAM



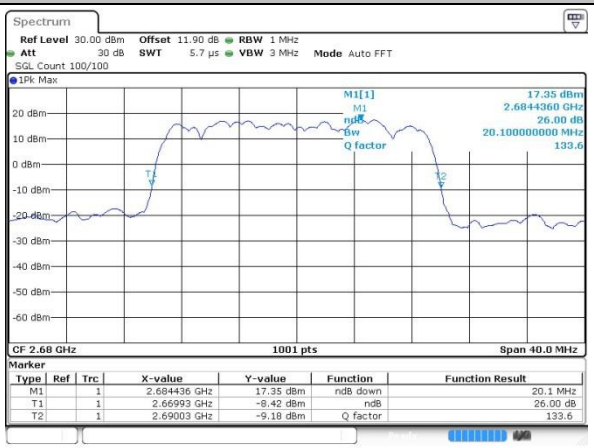
Middle Channel / 20MHz / QPSK



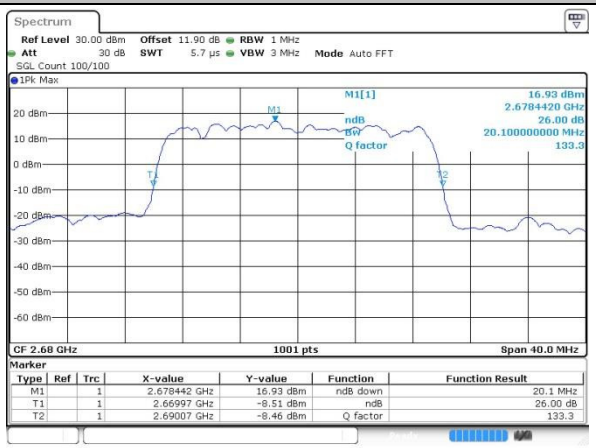
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

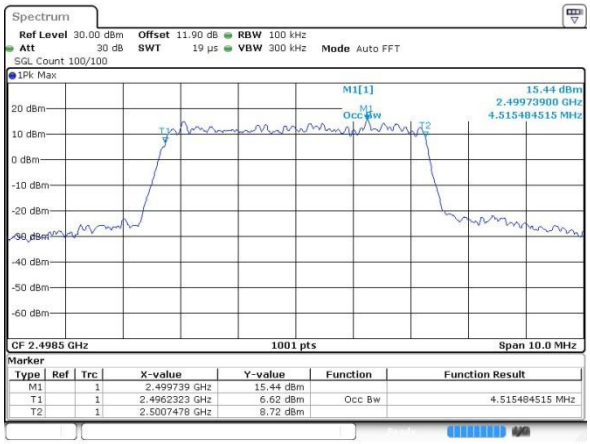


Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.52	4.48	9.05	9.03	13.43	13.4	18.26	18.42
Middle CH	-	-	-	-	4.49	4.5	9.01	9.03	13.46	13.43	18.38	18.3
Highest CH	-	-	-	-	4.49	4.49	9.07	9.05	13.46	13.4	18.3	18.42

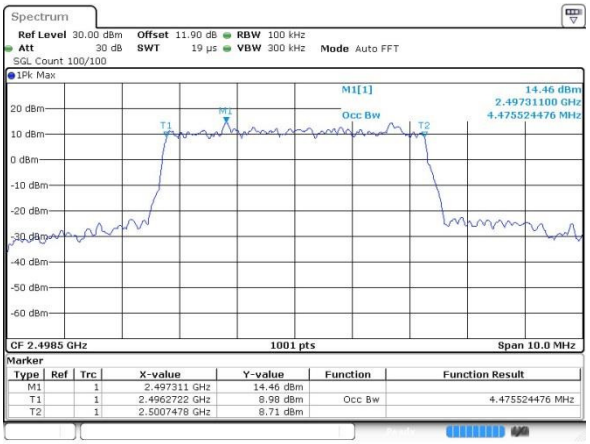
LTE Band 41

Lowest Channel / 5MHz / QPSK



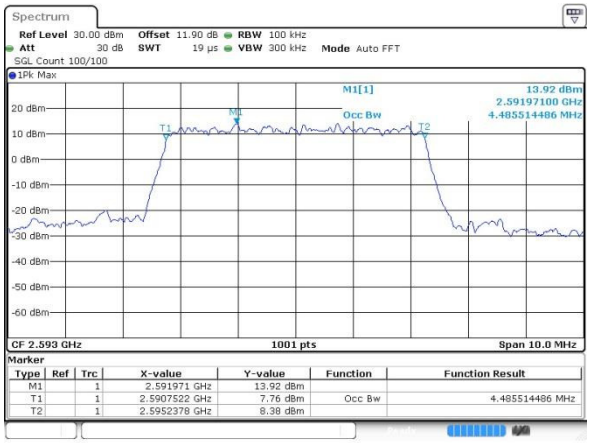
Date: 21.FEB.2017 11:09:19

Lowest Channel / 5MHz / 16QAM



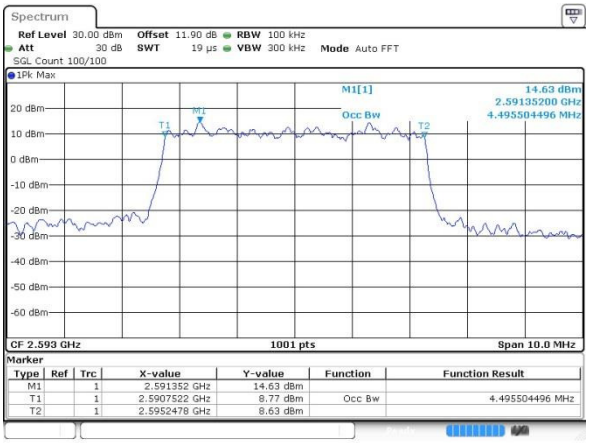
Date: 21.FEB.2017 11:09:29

Middle Channel / 5MHz / QPSK



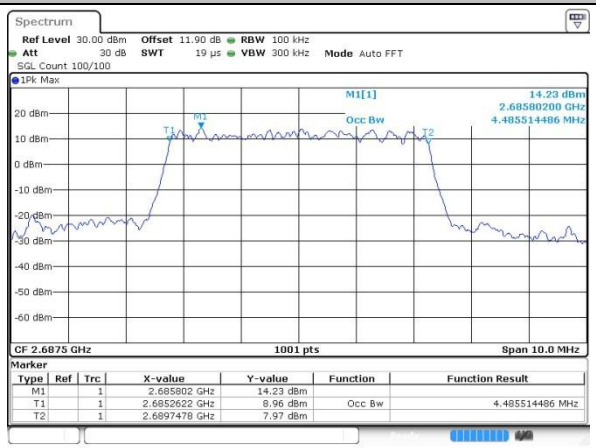
Date: 21.FEB.2017 11:10:01

Middle Channel / 5MHz / 16QAM



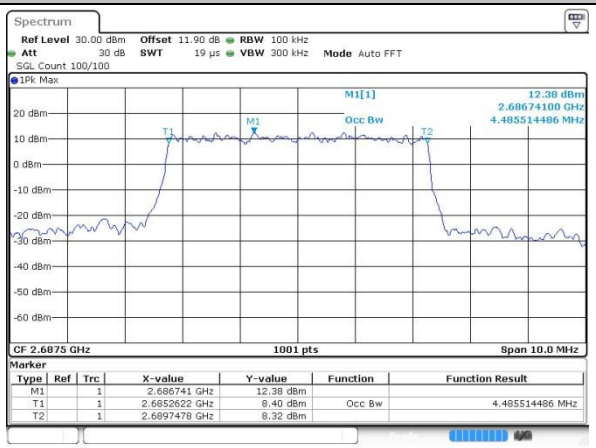
Date: 21.FEB.2017 11:10:11

Highest Channel / 5MHz / QPSK



Date: 21.FEB.2017 11:10:42

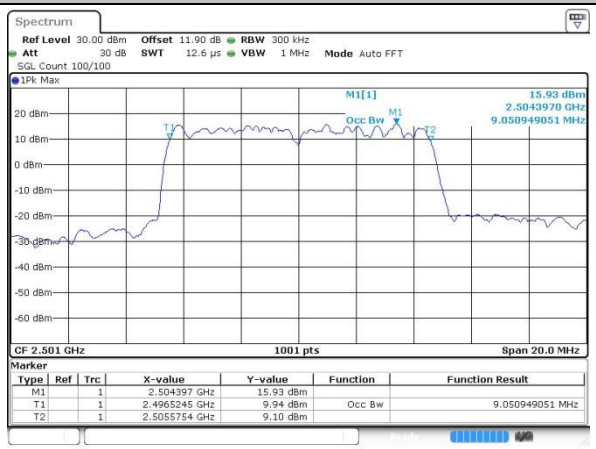
Highest Channel / 5MHz / 16QAM



Date: 21.FEB.2017 11:10:53

LTE Band 41

Lowest Channel / 10MHz / QPSK



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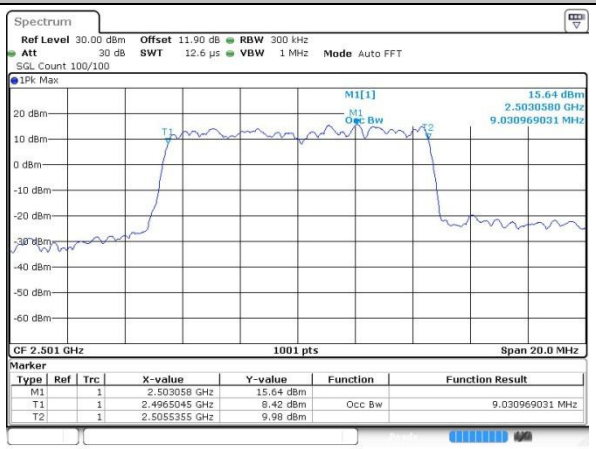
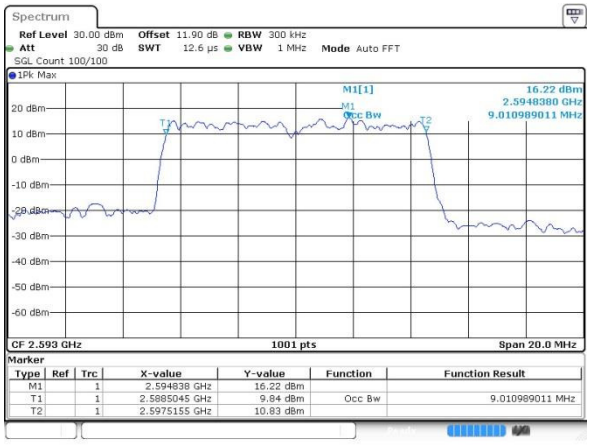
Lowest Channel / 10MHz / 16QAM



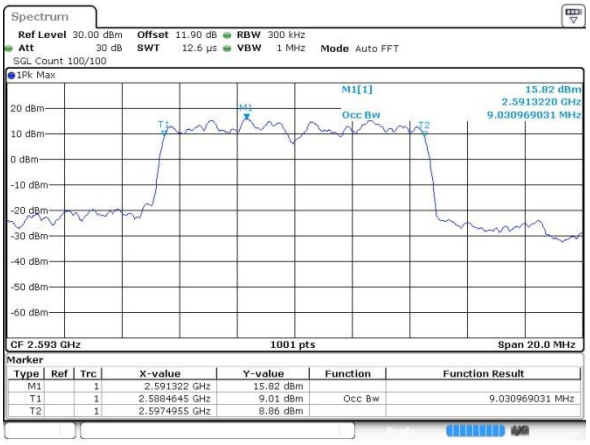
Date: 21.FEB.2017 11:11:34

Middle Channel / 10MHz / QPSK



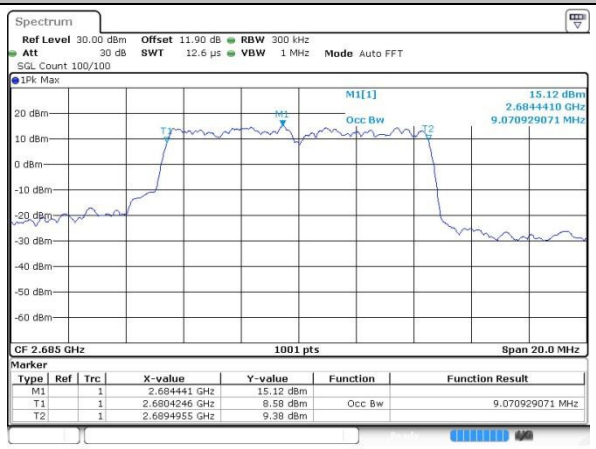
Date: 21.FEB.2017 11:12:05

Middle Channel / 10MHz / 16QAM



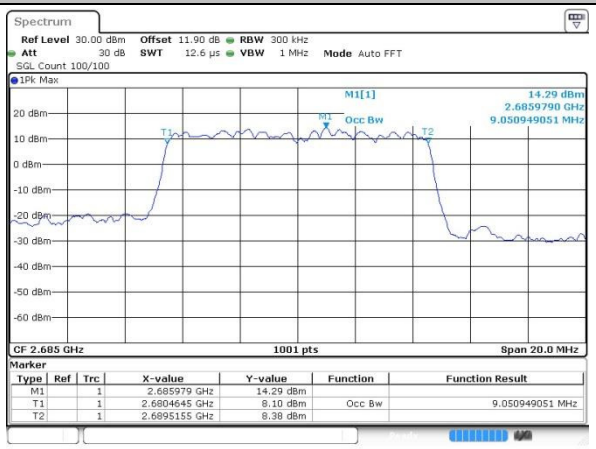
Date: 21.FEB.2017 11:12:16

Highest Channel / 10MHz / QPSK



Date: 21.FEB.2017 11:12:47

Highest Channel / 10MHz / 16QAM



Date: 21.FEB.2017 11:12:57