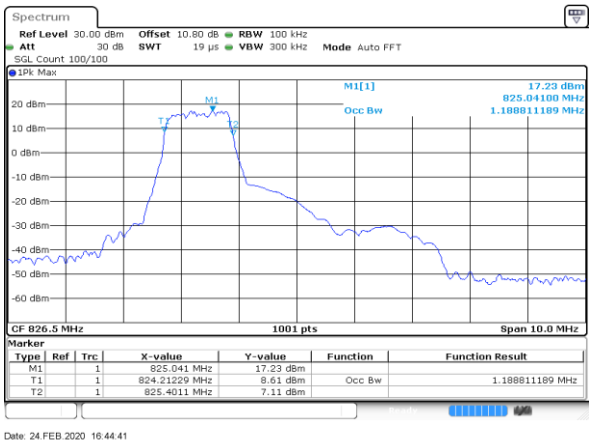
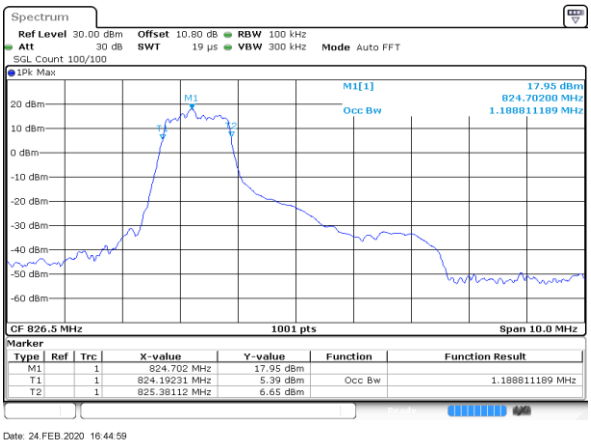
LTE Band 5

Lowest Channel / 5MHz / QPSK



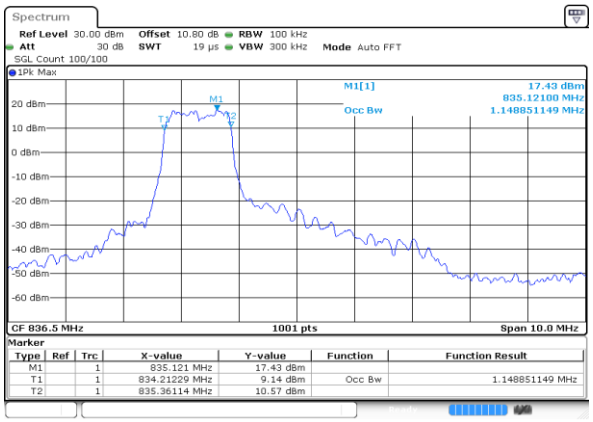
Date: 24.FEB.2020 16:44:41

Lowest Channel / 5MHz / 16QAM



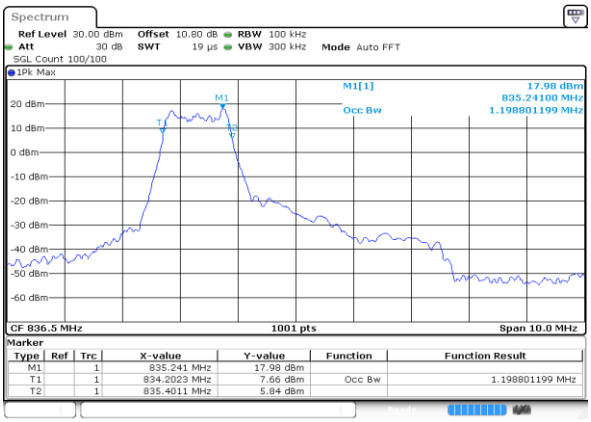
Date: 24.FEB.2020 16:44:59

Middle Channel / 5MHz / QPSK



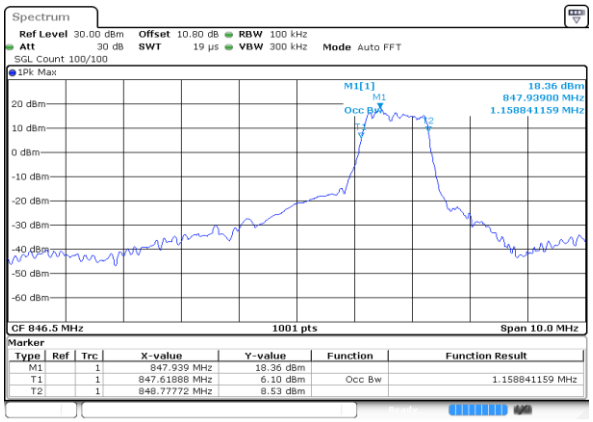
Date: 24.FEB.2020 16:40:41

Middle Channel / 5MHz / 16QAM



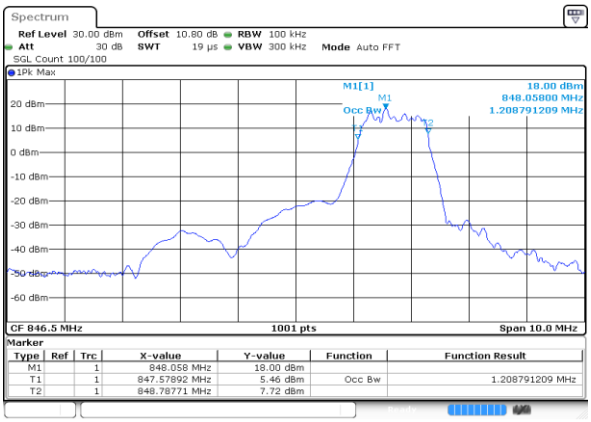
Date: 24.FEB.2020 16:40:59

Highest Channel / 5MHz / QPSK



Date: 24.FEB.2020 16:56:18

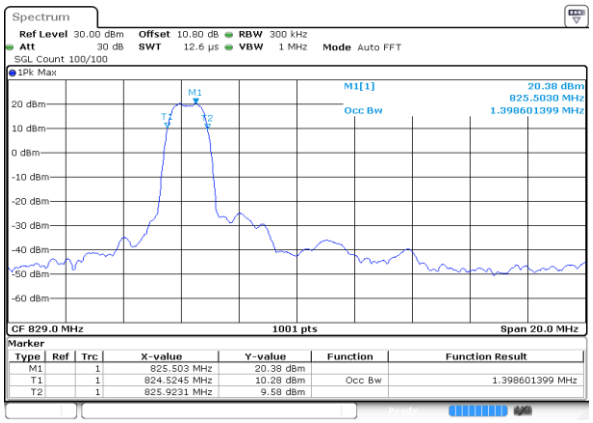
Highest Channel / 5MHz / 16QAM



Date: 24.FEB.2020 16:56:36

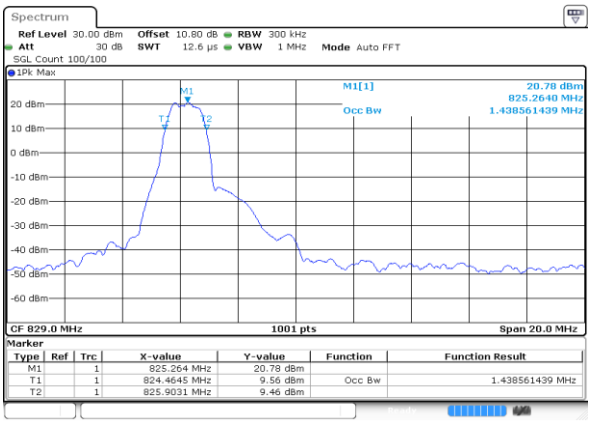
LTE Band 5

Lowest Channel / 10MHz / QPSK



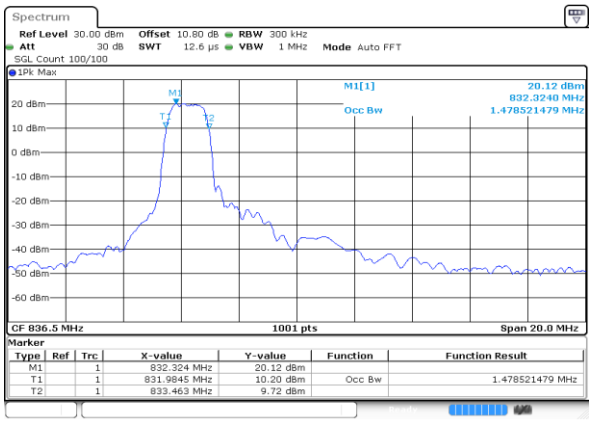
Date: 24.FEB.2020 18:44:49

Lowest Channel / 10MHz / 16QAM



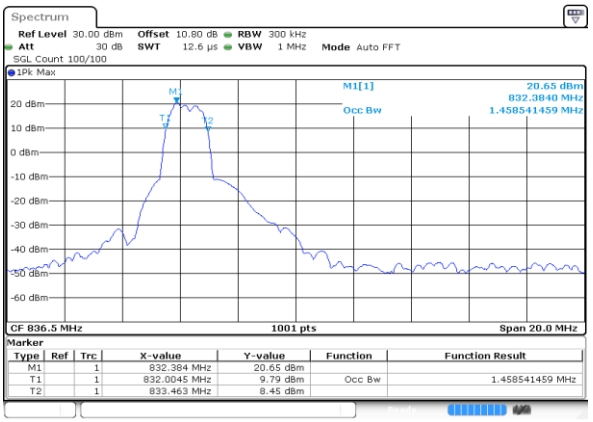
Date: 24.FEB.2020 18:45:06

Middle Channel / 10MHz / QPSK



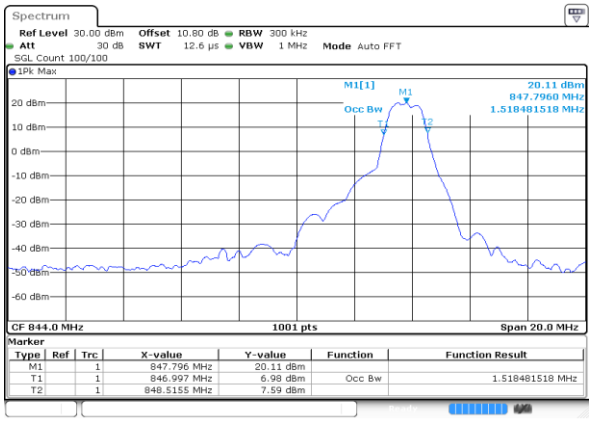
Date: 24.FEB.2020 18:33:49

Middle Channel / 10MHz / 16QAM



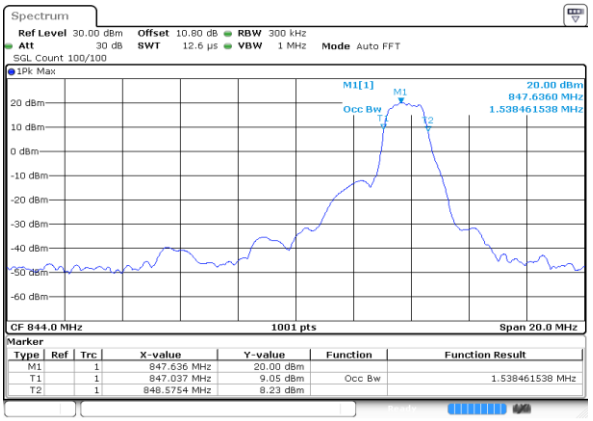
Date: 24.FEB.2020 18:34:07

Highest Channel / 10MHz / QPSK



Date: 24.FEB.2020 18:57:45

Highest Channel / 10MHz / 16QAM

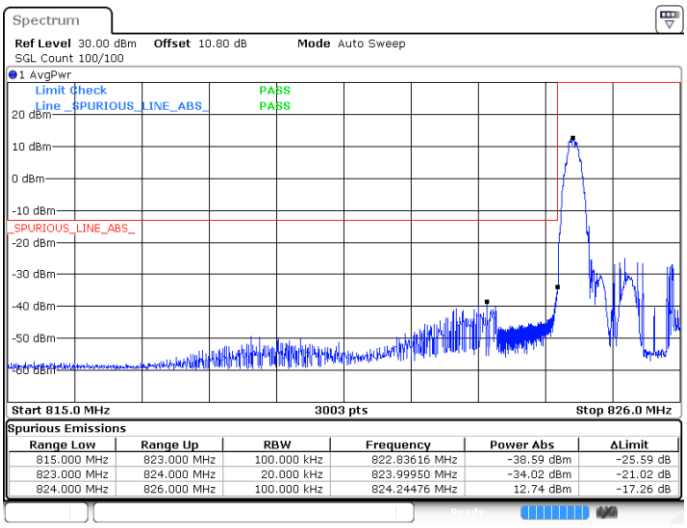


Date: 24.FEB.2020 18:58:03

Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

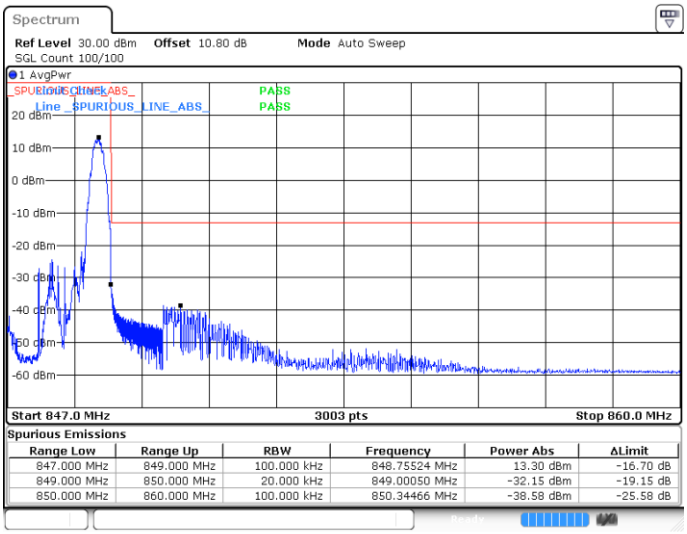


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.83616 MHz	-38.59 dBm	-25.59 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-34.02 dBm	-21.02 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.24476 MHz	12.74 dBm	-17.26 dB

Date: 24.FEB.2020 14:57:34

Highest Band Edge / 1RB

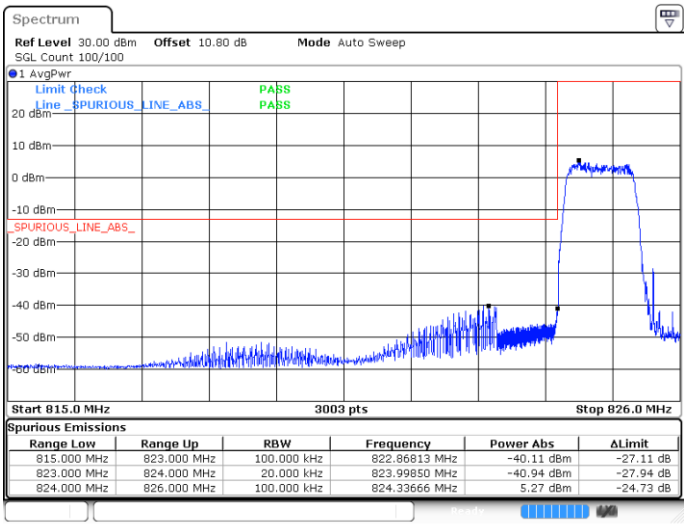


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75524 MHz	13.30 dBm	-16.70 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-32.15 dBm	-19.15 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.34466 MHz	-38.58 dBm	-25.58 dB

Date: 24.FEB.2020 15:13:23

Lowest Band Edge / Full RB

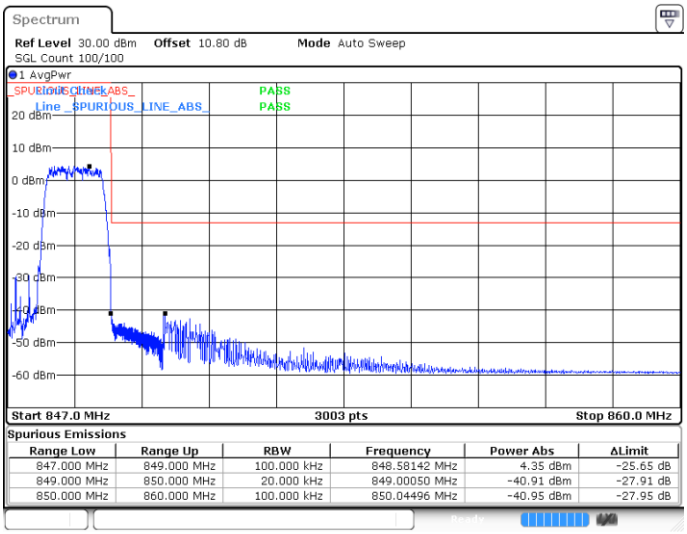


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.86813 MHz	-40.11 dBm	-27.11 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-40.94 dBm	-27.94 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.33666 MHz	5.27 dBm	-24.73 dB

Date: 24.FEB.2020 15:01:08

Highest Band Edge / Full RB



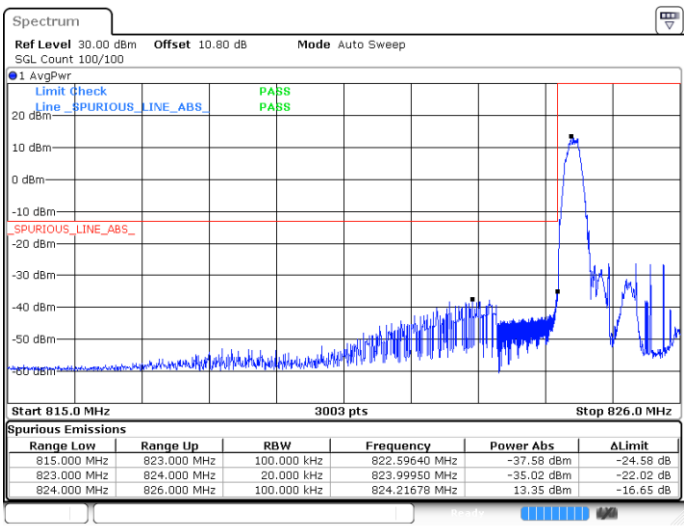
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.58142 MHz	4.35 dBm	-25.65 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-40.91 dBm	-27.91 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.04496 MHz	-40.95 dBm	-27.95 dB

Date: 24.FEB.2020 15:09:50

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

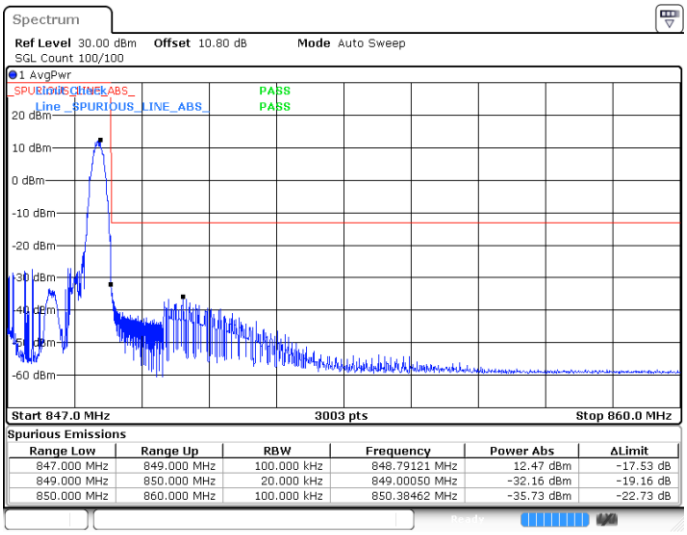


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.59640 MHz	-37.58 dBm	-24.58 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-35.02 dBm	-22.02 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.21678 MHz	13.35 dBm	-16.65 dB

Date: 24.FEB.2020 14:59:21

Highest Band Edge / 1 RB

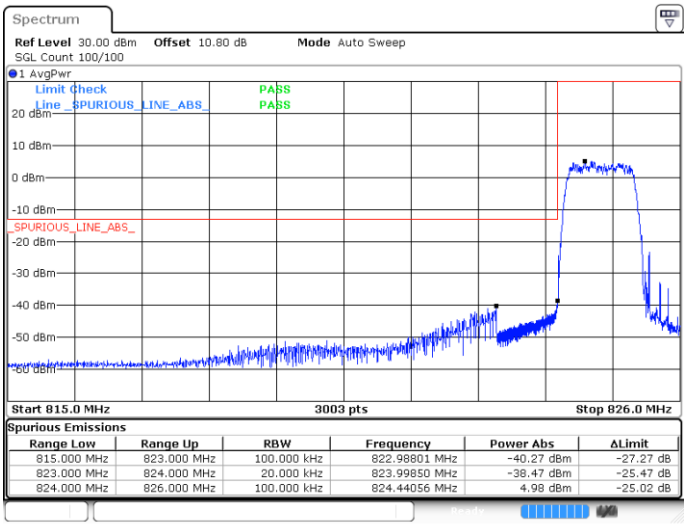


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.79121 MHz	12.47 dBm	-17.53 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-32.16 dBm	-19.16 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.38462 MHz	-35.73 dBm	-22.73 dB

Date: 24.FEB.2020 15:15:10

Lowest Band Edge / Full RB

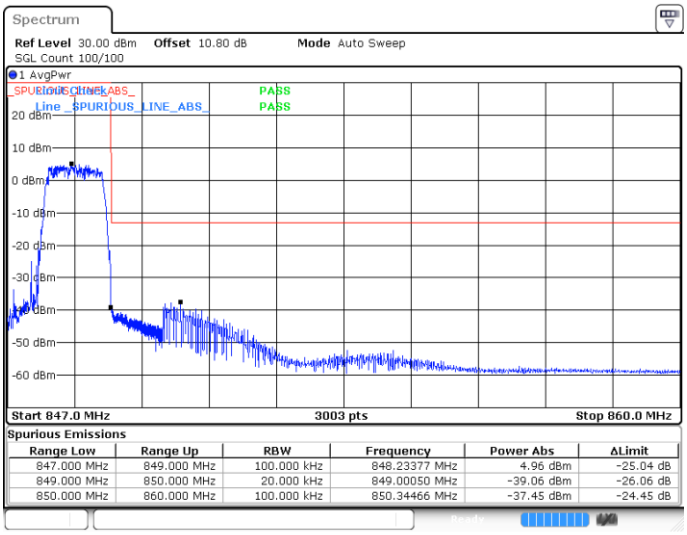


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-40.27 dBm	-27.27 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-38.47 dBm	-25.47 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.44056 MHz	4.98 dBm	-25.02 dB

Date: 24.FEB.2020 15:02:55

Highest Band Edge / Full RB



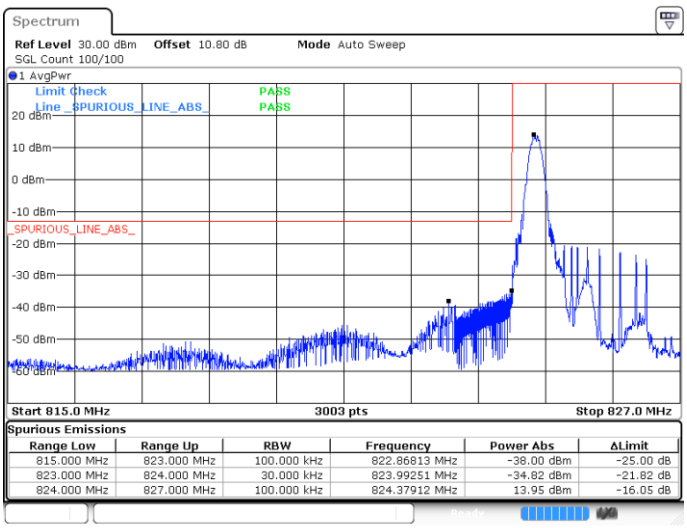
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.23377 MHz	4.96 dBm	-25.04 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-39.06 dBm	-26.06 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.34466 MHz	-37.45 dBm	-24.45 dB

Date: 24.FEB.2020 15:11:36

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

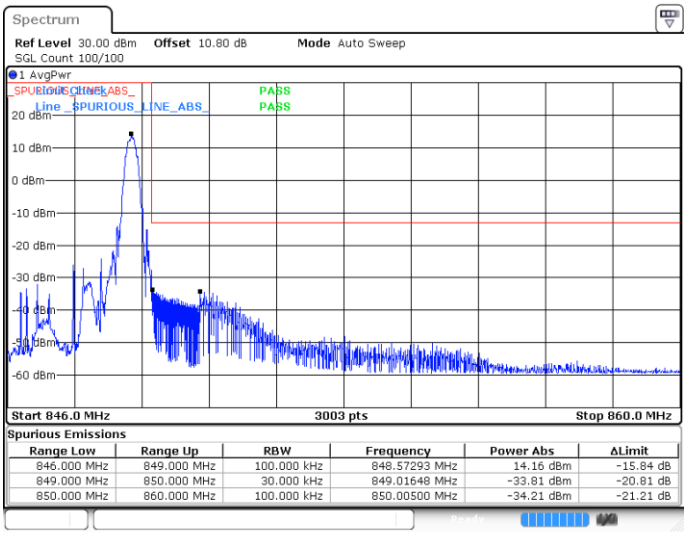


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.86813 MHz	-38.00 dBm	-25.00 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99251 MHz	-34.82 dBm	-21.82 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.37912 MHz	13.95 dBm	-16.05 dB

Date: 24.FEB.2020 15:33:07

Highest Band Edge / 1 RB

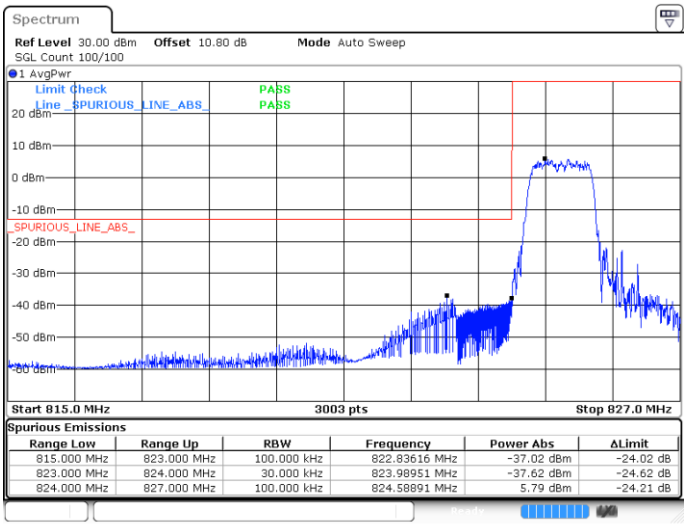


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.57293 MHz	14.16 dBm	-15.84 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.01648 MHz	-33.81 dBm	-20.81 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-34.21 dBm	-21.21 dB

Date: 24.FEB.2020 15:48:06

Lowest Band Edge / Full RB

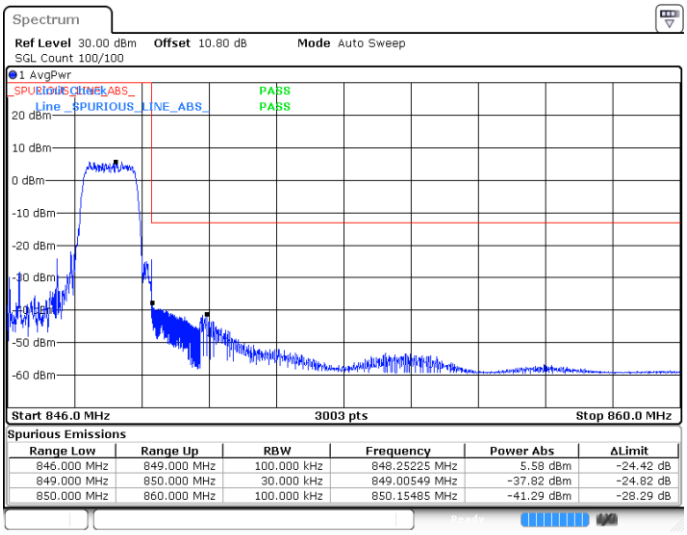


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.83616 MHz	-37.02 dBm	-24.02 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.98951 MHz	-37.62 dBm	-24.62 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.58891 MHz	5.79 dBm	-24.21 dB

Date: 24.FEB.2020 15:36:40

Highest Band Edge / Full RB



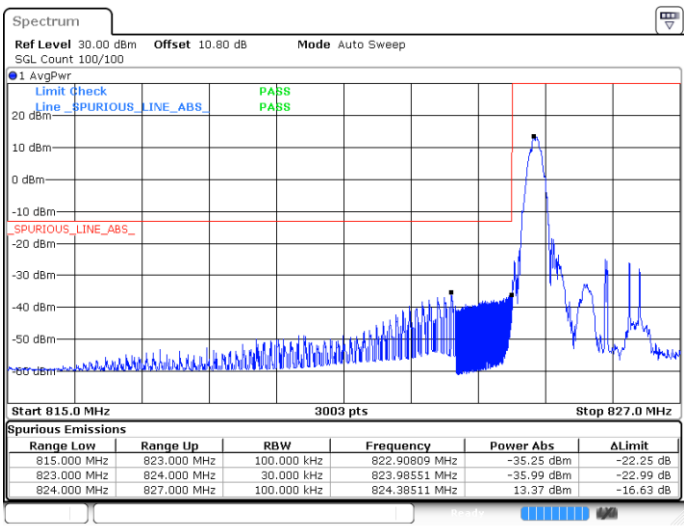
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.25225 MHz	5.58 dBm	-24.42 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00549 MHz	-37.82 dBm	-24.82 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.15485 MHz	-41.29 dBm	-28.29 dB

Date: 24.FEB.2020 15:51:39

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

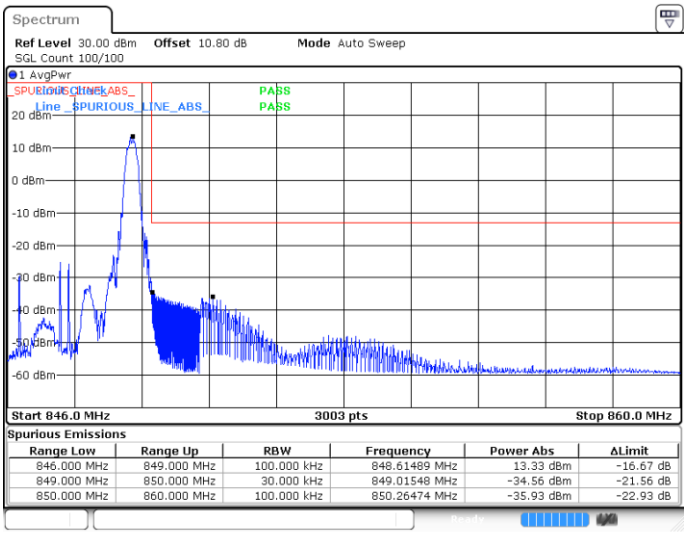


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90809 MHz	-35.25 dBm	-22.25 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.98551 MHz	-35.99 dBm	-22.99 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.38511 MHz	13.37 dBm	-16.63 dB

Date: 24.FEB.2020 15:34:54

Highest Band Edge /1 RB

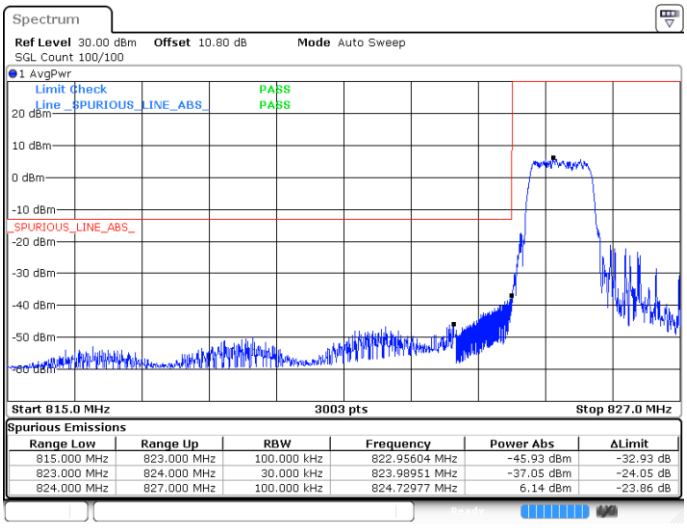


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.61489 MHz	13.33 dBm	-16.67 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.01548 MHz	-34.56 dBm	-21.56 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.26474 MHz	-35.93 dBm	-22.93 dB

Date: 24.FEB.2020 15:49:52

Lowest Band Edge / Full RB

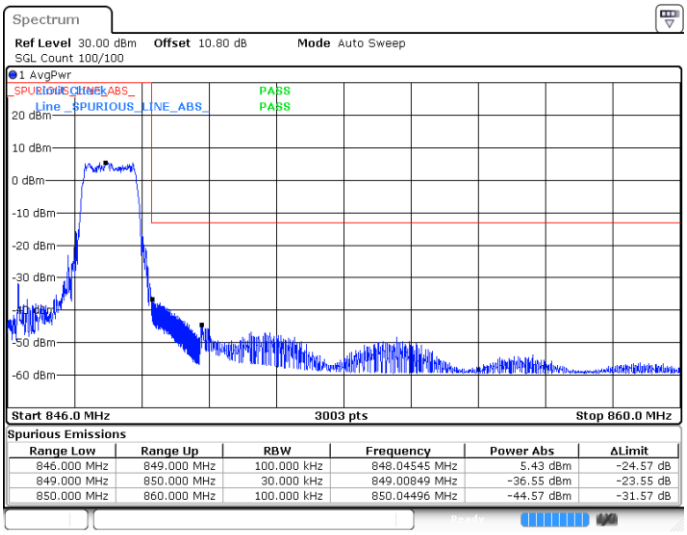


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-45.93 dBm	-32.93 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.98951 MHz	-37.05 dBm	-24.05 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.72977 MHz	6.14 dBm	-23.86 dB

Date: 24.FEB.2020 15:38:27

Highest Band Edge / Full RB



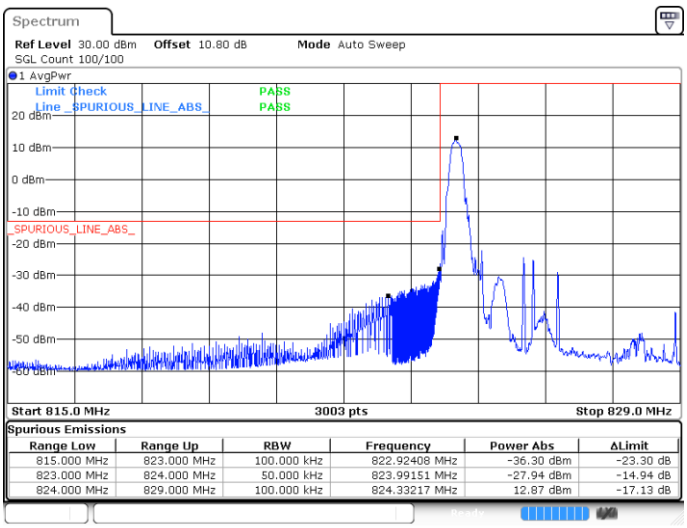
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.04545 MHz	5.43 dBm	-24.57 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00849 MHz	-36.55 dBm	-23.55 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.04496 MHz	-44.57 dBm	-31.57 dB

Date: 24.FEB.2020 15:53:26

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

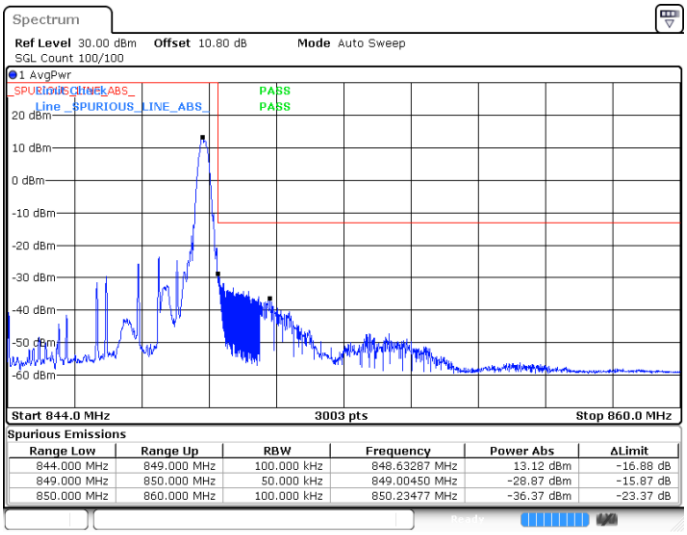


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-36.30 dBm	-23.30 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99151 MHz	-27.94 dBm	-14.94 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.33217 MHz	12.87 dBm	-17.13 dB

Date: 24.FEB.2020 16:47:20

Highest Band Edge / 1 RB

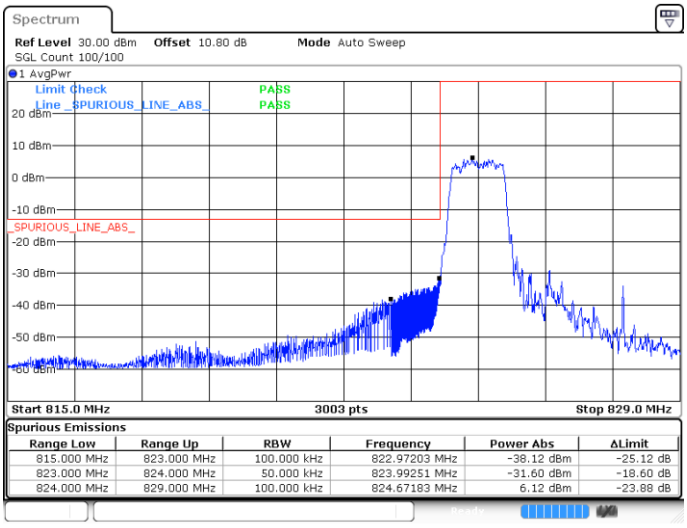


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.63287 MHz	13.12 dBm	-16.88 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00450 MHz	-28.87 dBm	-15.87 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.23477 MHz	-36.37 dBm	-23.37 dB

Date: 24.FEB.2020 16:58:57

Lowest Band Edge / Full RB

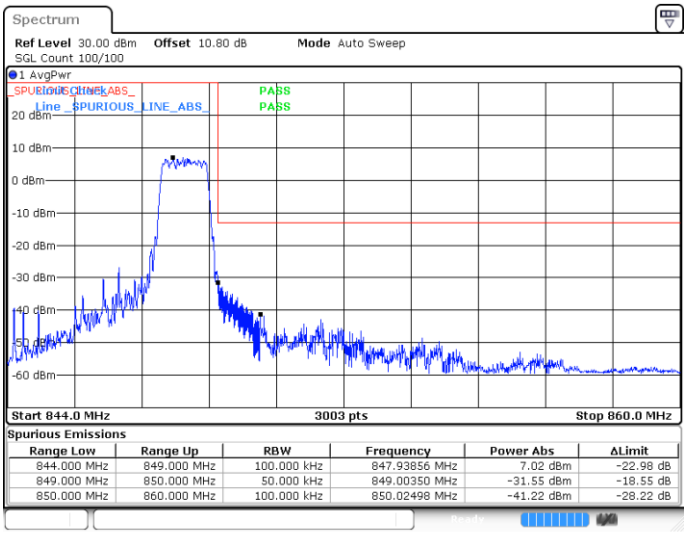


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-38.12 dBm	-25.12 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99251 MHz	-31.60 dBm	-18.60 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.67183 MHz	6.12 dBm	-23.88 dB

Date: 24.FEB.2020 16:50:53

Highest Band Edge / Full RB



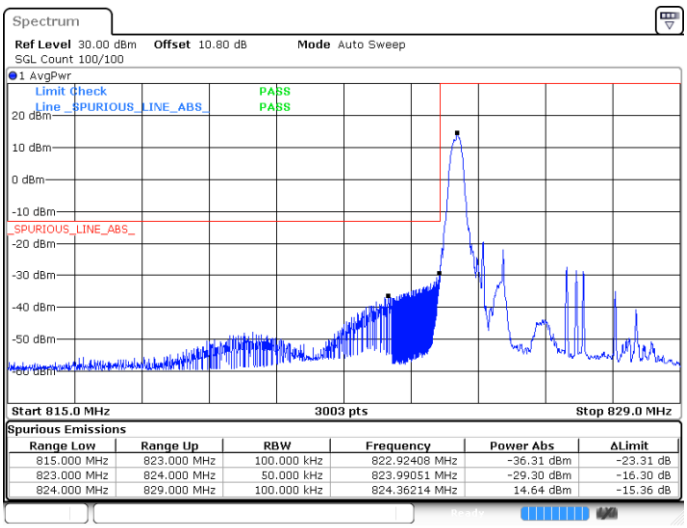
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	847.93856 MHz	7.02 dBm	-22.98 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00350 MHz	-31.55 dBm	-18.55 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-41.22 dBm	-28.22 dB

Date: 24.FEB.2020 17:02:30

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

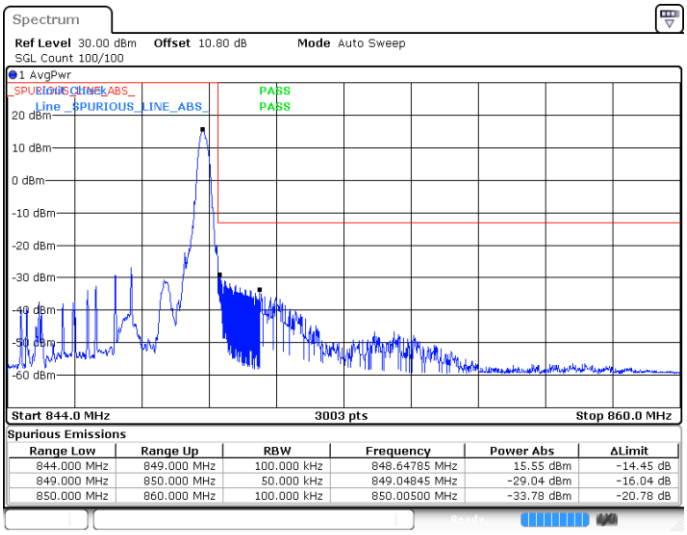


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-36.31 dBm	-23.31 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99051 MHz	-29.30 dBm	-16.30 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.36214 MHz	14.64 dBm	-15.36 dB

Date: 24.FEB.2020 16:49:07

Highest Band Edge / 1 RB

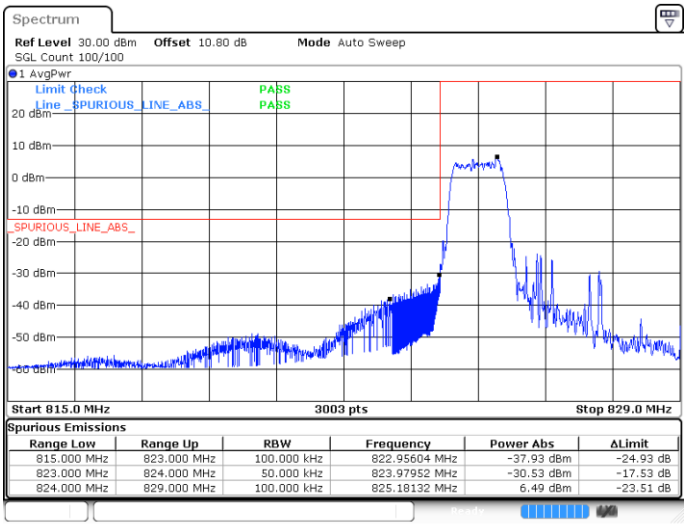


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.64785 MHz	15.55 dBm	-14.45 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.04845 MHz	-29.04 dBm	-16.04 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-33.78 dBm	-20.78 dB

Date: 24.FEB.2020 17:00:44

Lowest Band Edge / Full RB

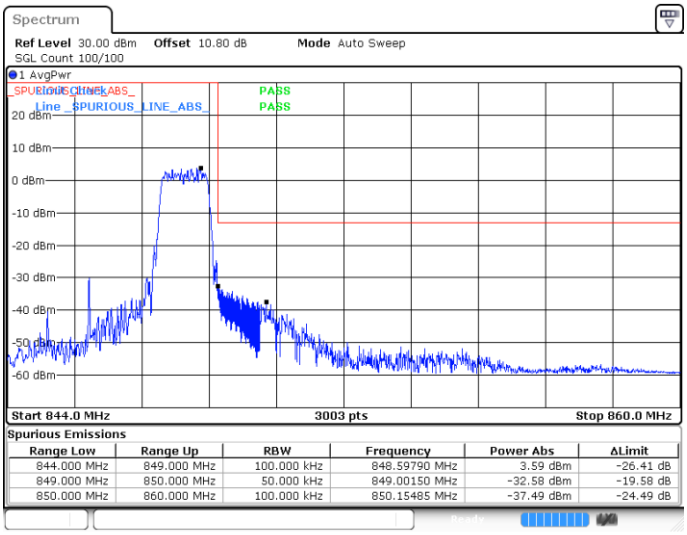


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-37.93 dBm	-24.93 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.97952 MHz	-30.53 dBm	-17.53 dB
824.000 MHz	829.000 MHz	100.000 kHz	825.18132 MHz	6.49 dBm	-23.51 dB

Date: 24.FEB.2020 16:52:40

Highest Band Edge / Full RB



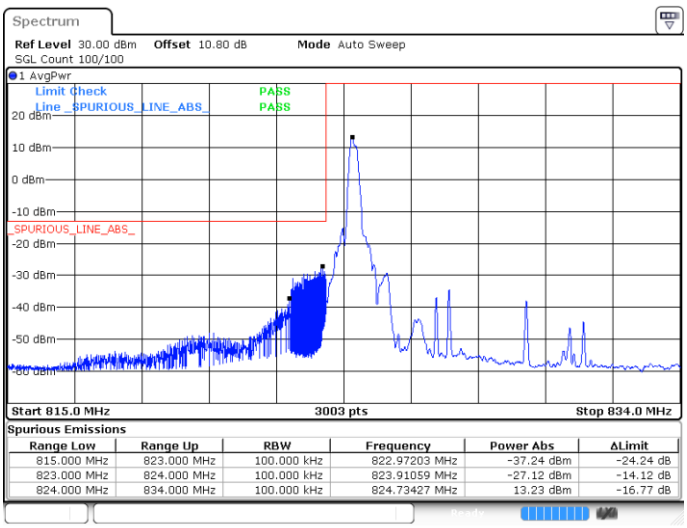
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.59790 MHz	3.59 dBm	-26.41 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00150 MHz	-32.58 dBm	-19.58 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.15485 MHz	-37.49 dBm	-24.49 dB

Date: 24.FEB.2020 17:04:17

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

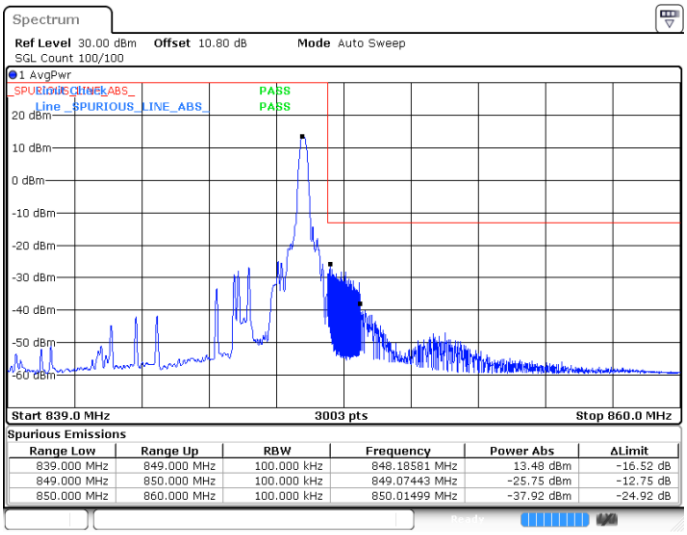


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-37.24 dBm	-24.24 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.91059 MHz	-27.12 dBm	-14.12 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.73427 MHz	13.23 dBm	-16.77 dB

Date: 24.FEB.2020 18:47:27

Highest Band Edge / 1 RB

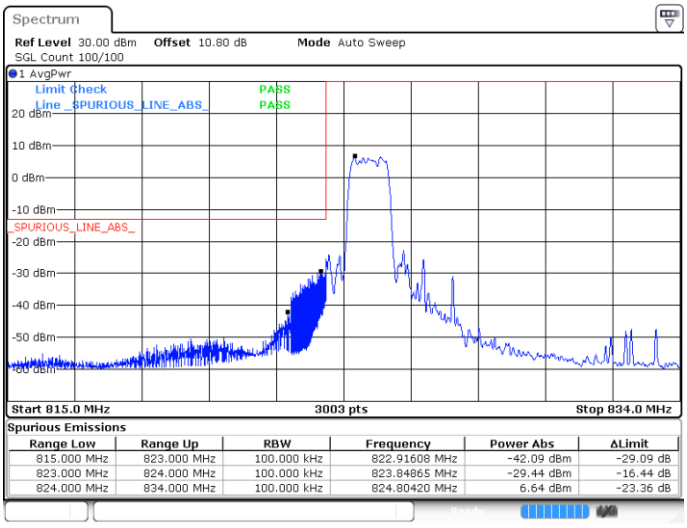


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.18581 MHz	13.48 dBm	-16.52 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.07443 MHz	-25.75 dBm	-12.75 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-37.92 dBm	-24.92 dB

Date: 24.FEB.2020 19:00:24

Lowest Band Edge / Full RB

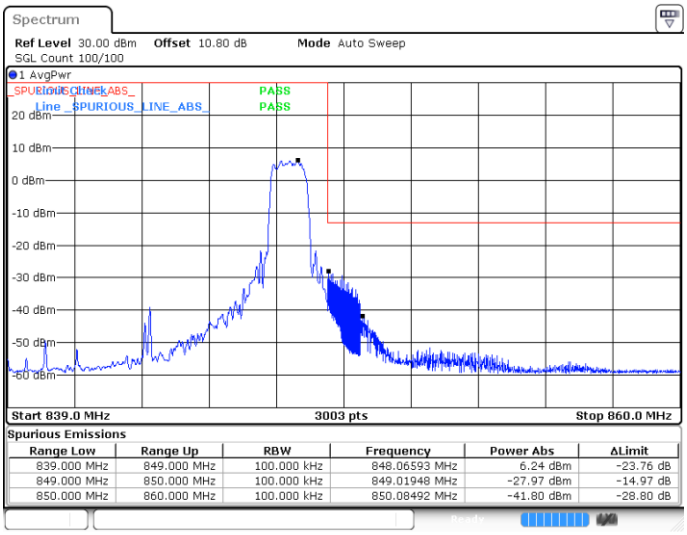


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.91608 MHz	-42.09 dBm	-29.09 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.84865 MHz	-29.44 dBm	-16.44 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.80420 MHz	6.64 dBm	-23.36 dB

Date: 24.FEB.2020 18:51:01

Highest Band Edge / Full RB



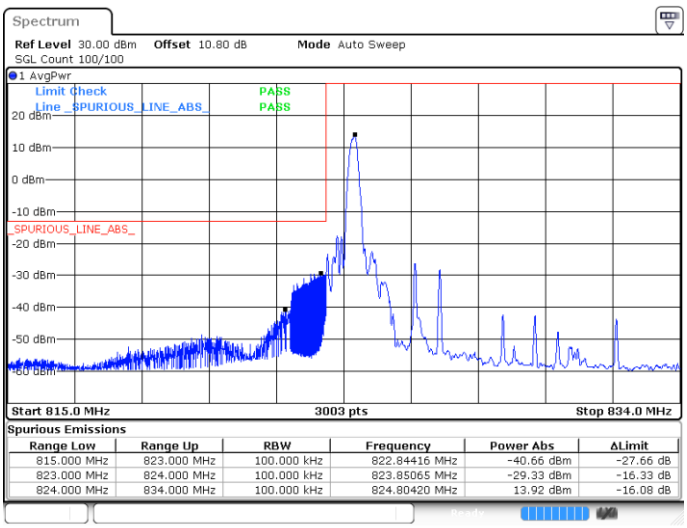
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.06593 MHz	6.24 dBm	-23.76 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.01948 MHz	-27.97 dBm	-14.97 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.08492 MHz	-41.80 dBm	-28.80 dB

Date: 24.FEB.2020 19:03:57

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

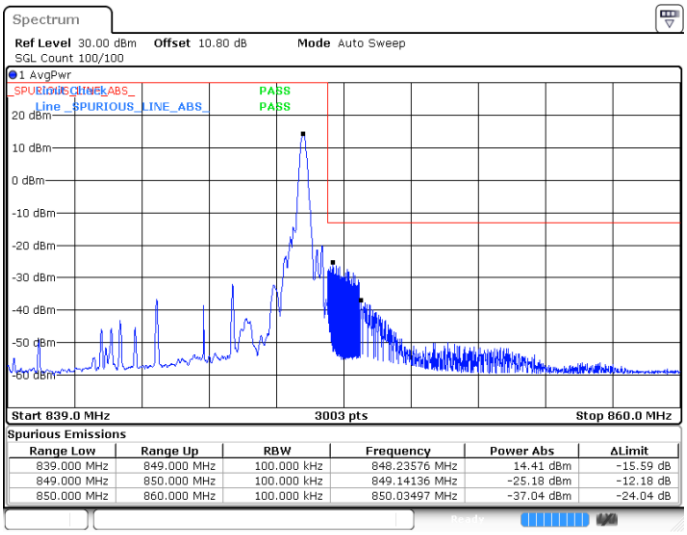


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.84416 MHz	-40.66 dBm	-27.66 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.85065 MHz	-29.33 dBm	-16.33 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.80420 MHz	13.92 dBm	-16.08 dB

Date: 24.FEB.2020 18:49:14

Highest Band Edge / 1 RB

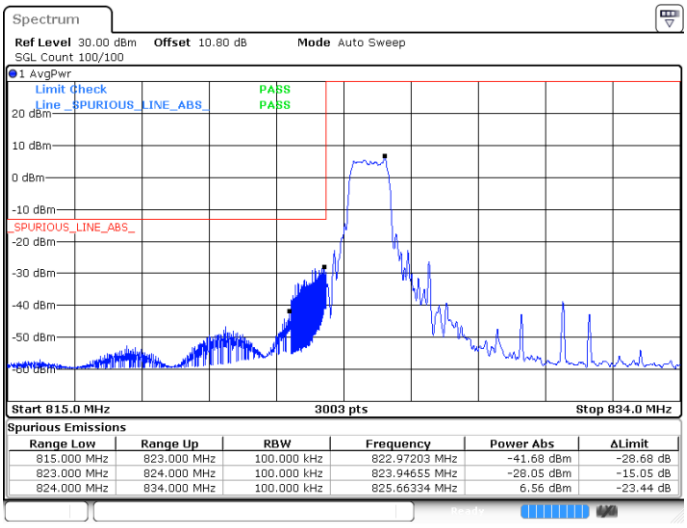


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.23576 MHz	14.41 dBm	-15.59 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.14136 MHz	-25.18 dBm	-12.18 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-37.04 dBm	-24.04 dB

Date: 24.FEB.2020 19:02:10

Lowest Band Edge / Full RB

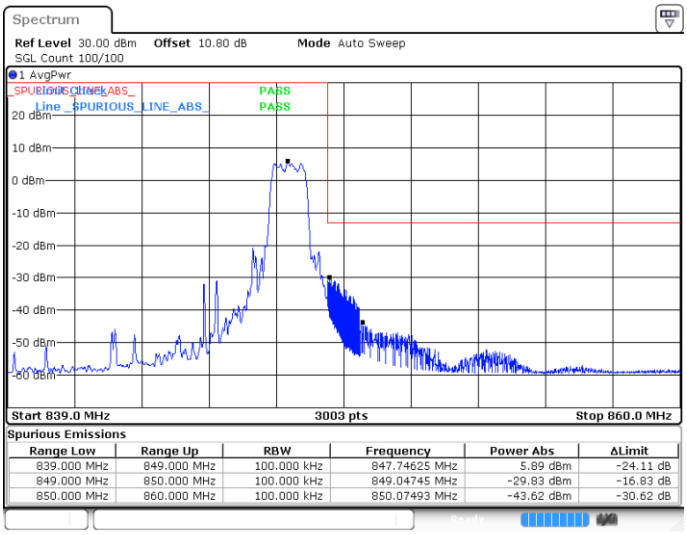


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-41.68 dBm	-28.68 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.94655 MHz	-28.05 dBm	-15.05 dB
824.000 MHz	834.000 MHz	100.000 kHz	825.66334 MHz	6.56 dBm	-23.44 dB

Date: 24.FEB.2020 18:52:47

Highest Band Edge / Full RB



Spurious Emissions

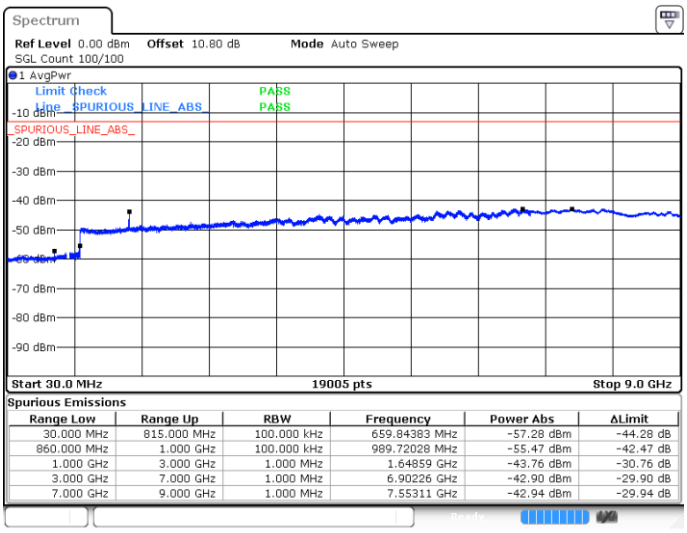
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	847.74625 MHz	5.89 dBm	-24.11 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.04745 MHz	-29.83 dBm	-16.83 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.07493 MHz	-43.62 dBm	-30.62 dB

Date: 24.FEB.2020 19:05:44

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

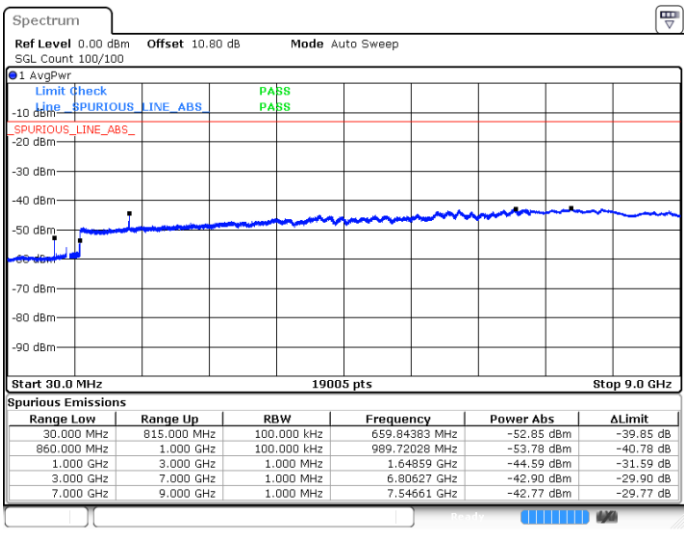


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	659.84383 MHz	-57.28 dBm	-44.28 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.72028 MHz	-55.47 dBm	-42.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-43.76 dBm	-30.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-42.90 dBm	-29.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-42.94 dBm	-29.94 dB

Date: 24.FEB.2020 15:03:42

Lowest Channel / 16QAM

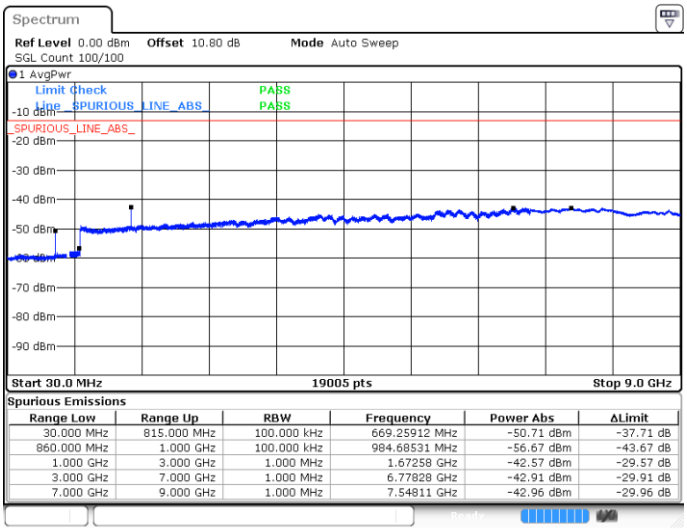


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	659.84383 MHz	-52.85 dBm	-39.85 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.72028 MHz	-53.78 dBm	-40.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-44.59 dBm	-31.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80627 GHz	-42.90 dBm	-29.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54661 GHz	-42.77 dBm	-29.77 dB

Date: 24.FEB.2020 15:04:29

Middle Channel / QPSK

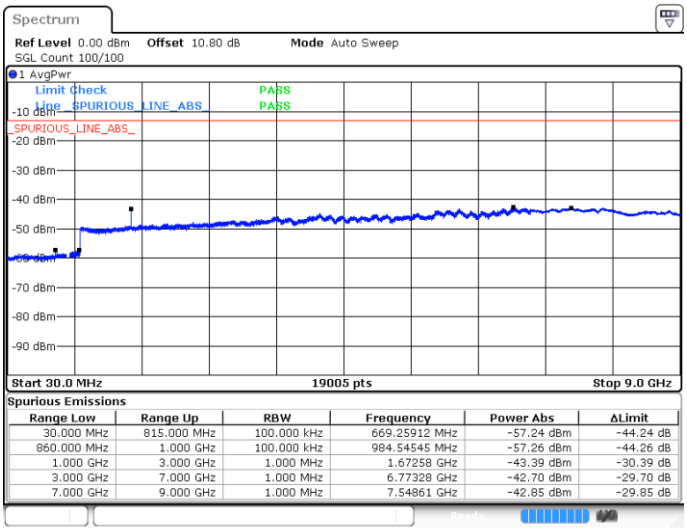


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	669.25912 MHz	-50.71 dBm	-37.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	984.68531 MHz	-56.67 dBm	-43.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77828 GHz	-42.91 dBm	-29.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-42.96 dBm	-29.96 dB

Date: 24.FEB.2020 15:20:38

Middle Channel / 16QAM



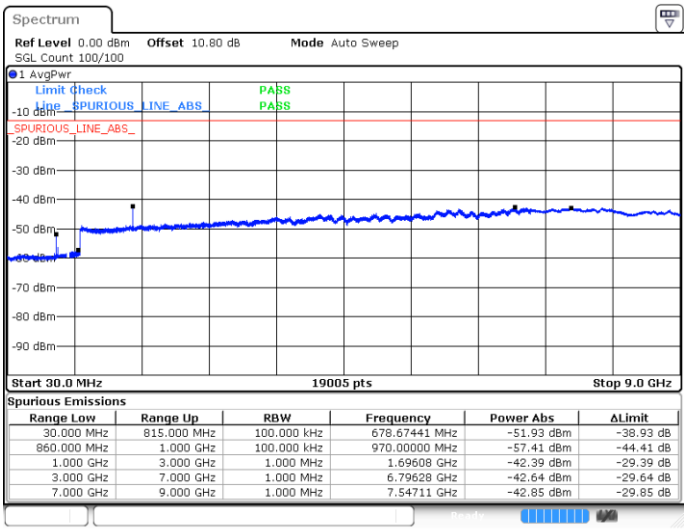
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	669.25912 MHz	-57.24 dBm	-44.24 dB
860.000 MHz	1.000 GHz	100.000 kHz	984.54545 MHz	-57.26 dBm	-44.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-43.39 dBm	-30.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77328 GHz	-42.70 dBm	-29.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-42.85 dBm	-29.85 dB

Date: 24.FEB.2020 15:21:25

LTE Band 5 / 1.4MHz

Highest Channel / QPSK

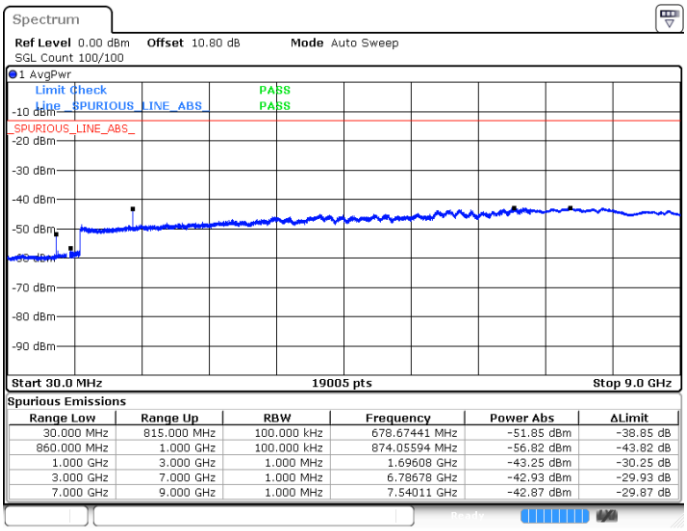


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.67441 MHz	-51.93 dBm	-38.93 dB
860.000 MHz	1.000 GHz	100.000 kHz	970.00000 MHz	-57.41 dBm	-44.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-42.39 dBm	-29.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79628 GHz	-42.64 dBm	-29.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-42.85 dBm	-29.85 dB

Date: 24.FEB.2020 15:15:57

Highest Channel / 16QAM



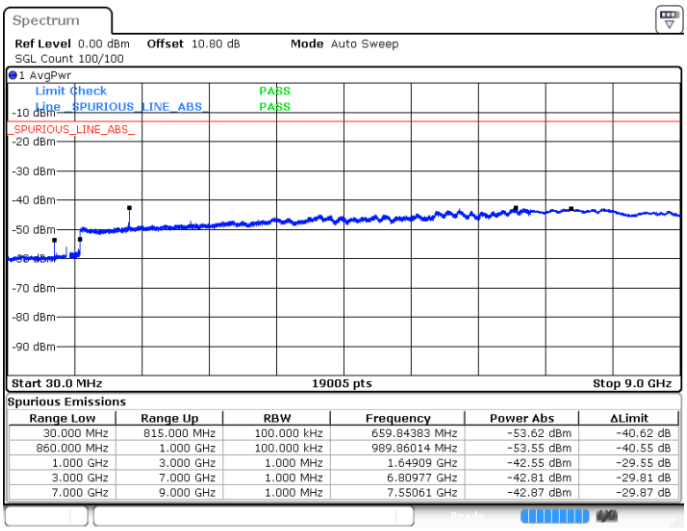
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.67441 MHz	-51.85 dBm	-38.85 dB
860.000 MHz	1.000 GHz	100.000 kHz	874.05594 MHz	-56.82 dBm	-43.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-43.25 dBm	-30.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78678 GHz	-42.93 dBm	-29.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54011 GHz	-42.87 dBm	-29.87 dB

Date: 24.FEB.2020 15:16:44

LTE Band 5 / 3MHz

Lowest Channel / QPSK

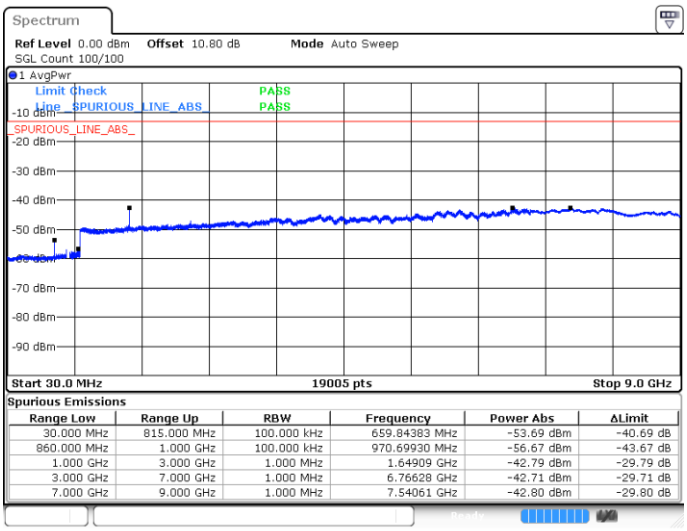


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	659.84383 MHz	-53.62 dBm	-40.62 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.86014 MHz	-53.55 dBm	-40.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-42.55 dBm	-29.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80977 GHz	-42.81 dBm	-29.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-42.87 dBm	-29.87 dB

Date: 24.FEB.2020 15:39:14

Lowest Channel / 16QAM



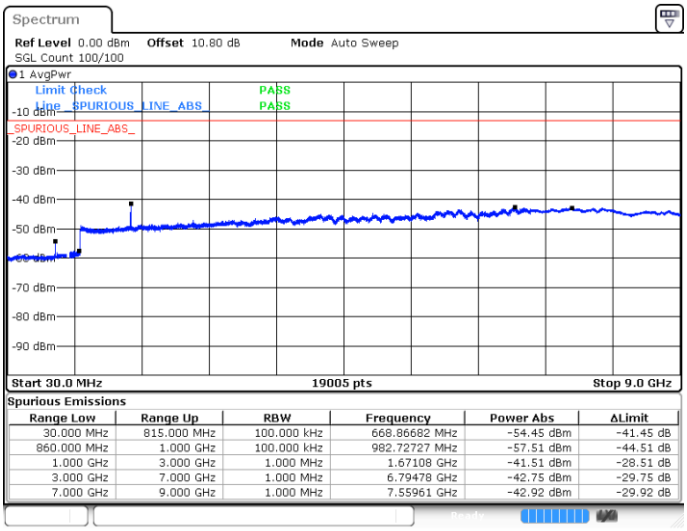
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	659.84383 MHz	-53.69 dBm	-40.69 dB
860.000 MHz	1.000 GHz	100.000 kHz	970.69930 MHz	-56.67 dBm	-43.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-42.79 dBm	-29.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76628 GHz	-42.71 dBm	-29.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54061 GHz	-42.80 dBm	-29.80 dB

Date: 24.FEB.2020 15:40:01

LTE Band 5 / 3MHz

Middle Channel / QPSK

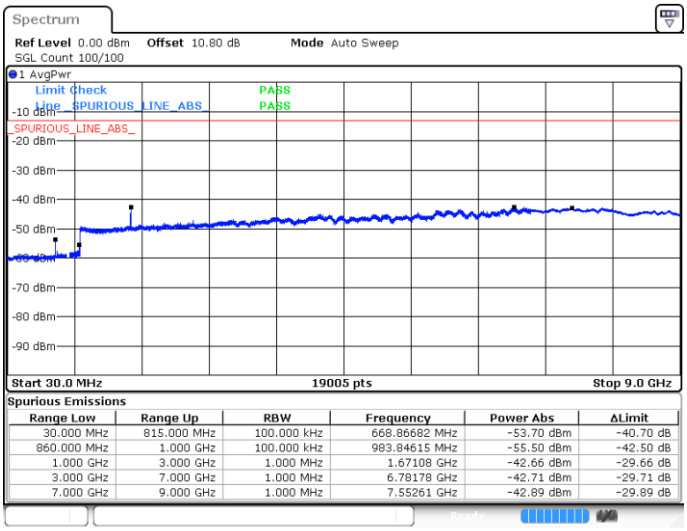


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	668.86682 MHz	-54.45 dBm	-41.45 dB
860.000 MHz	1.000 GHz	100.000 kHz	982.72727 MHz	-57.51 dBm	-44.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-41.51 dBm	-28.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79478 GHz	-42.75 dBm	-29.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55961 GHz	-42.92 dBm	-29.92 dB

Date: 24.FEB.2020 15:23:59

Middle Channel / 16QAM

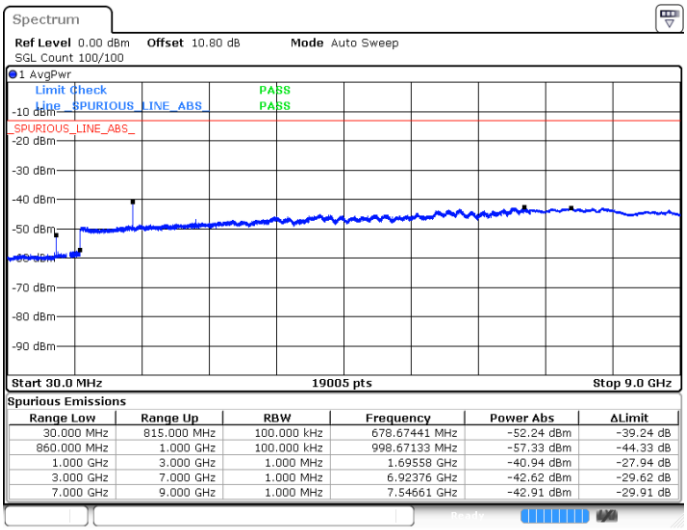


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	668.86682 MHz	-53.70 dBm	-40.70 dB
860.000 MHz	1.000 GHz	100.000 kHz	983.84615 MHz	-55.50 dBm	-42.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-42.66 dBm	-29.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78178 GHz	-42.71 dBm	-29.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-42.89 dBm	-29.89 dB

Date: 24.FEB.2020 15:24:46

Highest Channel / QPSK

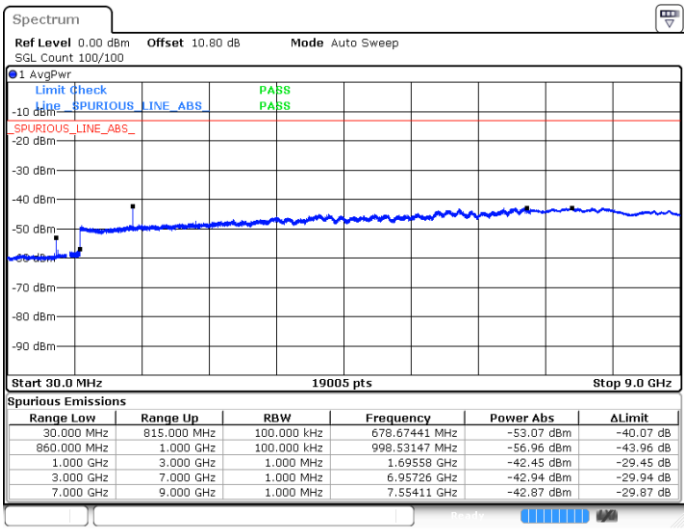


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.67441 MHz	-52.24 dBm	-39.24 dB
860.000 MHz	1.000 GHz	100.000 kHz	998.67133 MHz	-57.33 dBm	-44.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69558 GHz	-40.94 dBm	-27.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92376 GHz	-42.62 dBm	-29.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54661 GHz	-42.91 dBm	-29.91 dB

Date: 24.FEB.2020 15:54:13

Highest Channel / 16QAM



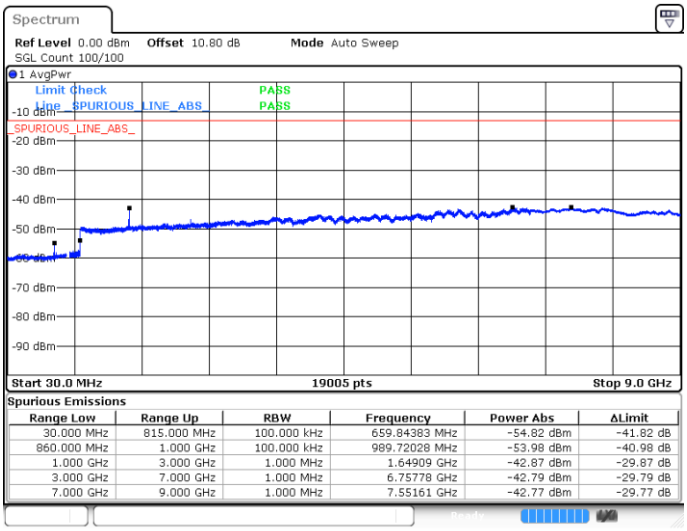
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.67441 MHz	-53.07 dBm	-40.07 dB
860.000 MHz	1.000 GHz	100.000 kHz	998.53147 MHz	-56.96 dBm	-43.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69558 GHz	-42.45 dBm	-29.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95726 GHz	-42.94 dBm	-29.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55411 GHz	-42.87 dBm	-29.87 dB

Date: 24.FEB.2020 15:55:00

LTE Band 5 / 5MHz

Lowest Channel / QPSK

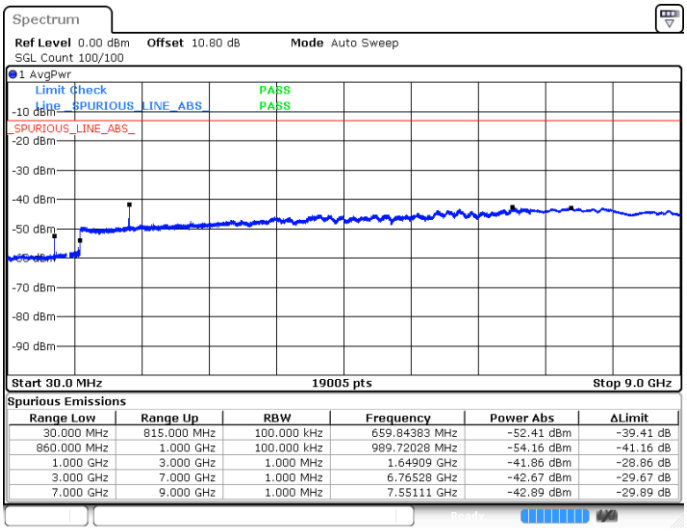


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	659.84383 MHz	-54.82 dBm	-41.82 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.72028 MHz	-53.98 dBm	-40.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-42.87 dBm	-29.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75778 GHz	-42.79 dBm	-29.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-42.77 dBm	-29.77 dB

Date: 24.FEB.2020 16:53:28

Lowest Channel / 16QAM

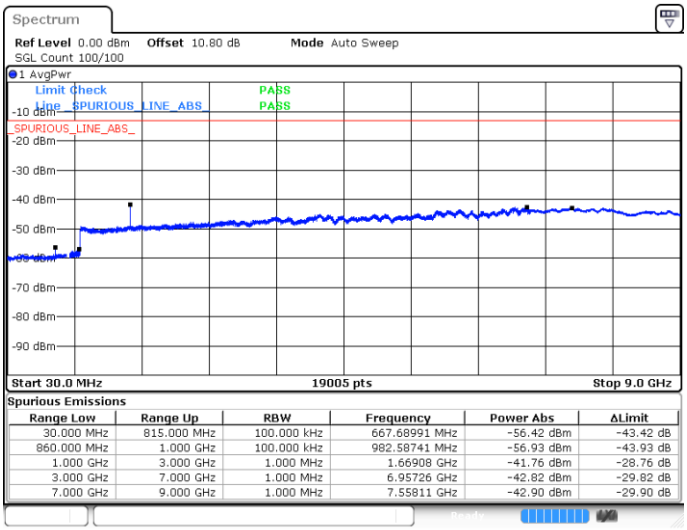


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	659.84383 MHz	-52.41 dBm	-39.41 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.72028 MHz	-54.16 dBm	-41.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-41.86 dBm	-28.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76528 GHz	-42.67 dBm	-29.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55111 GHz	-42.89 dBm	-29.89 dB

Date: 24.FEB.2020 16:54:14

Middle Channel / QPSK

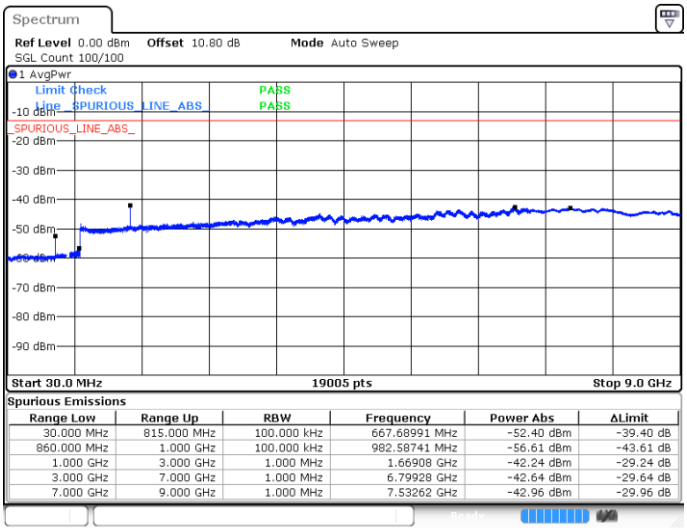


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	667.68991 MHz	-56.42 dBm	-43.42 dB
860.000 MHz	1.000 GHz	100.000 kHz	982.58741 MHz	-56.93 dBm	-43.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-41.76 dBm	-28.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95726 GHz	-42.82 dBm	-29.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55811 GHz	-42.90 dBm	-29.90 dB

Date: 24.FEB.2020 16:42:21

Middle Channel / 16QAM



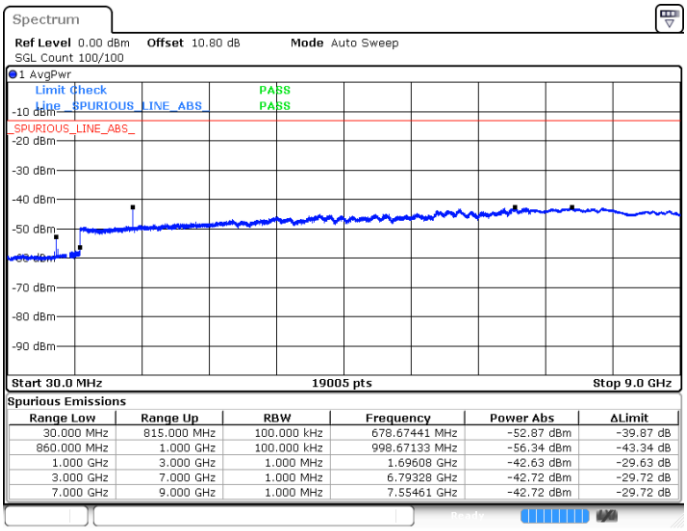
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	667.68991 MHz	-52.40 dBm	-39.40 dB
860.000 MHz	1.000 GHz	100.000 kHz	982.58741 MHz	-56.61 dBm	-43.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-42.24 dBm	-29.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79928 GHz	-42.64 dBm	-29.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53262 GHz	-42.96 dBm	-29.96 dB

Date: 24.FEB.2020 16:43:08

LTE Band 5 / 5MHz

Highest Channel / QPSK

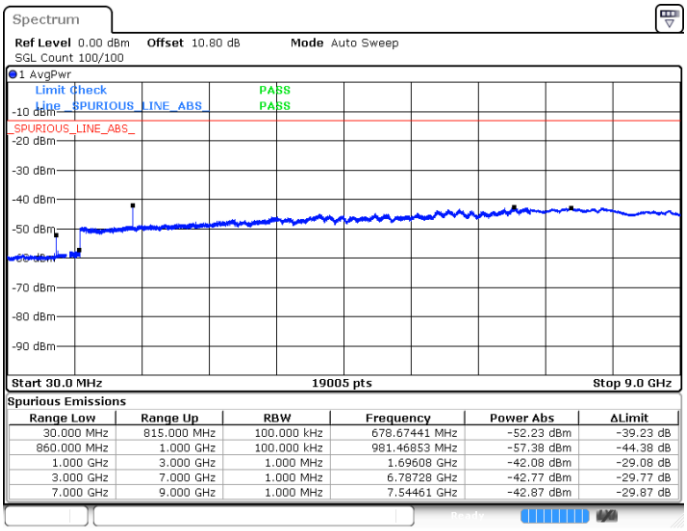


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.67441 MHz	-52.87 dBm	-39.87 dB
860.000 MHz	1.000 GHz	100.000 kHz	998.67133 MHz	-56.34 dBm	-43.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-42.63 dBm	-29.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79328 GHz	-42.72 dBm	-29.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55461 GHz	-42.72 dBm	-29.72 dB

Date: 24.FEB.2020 17:05:04

Highest Channel / 16QAM



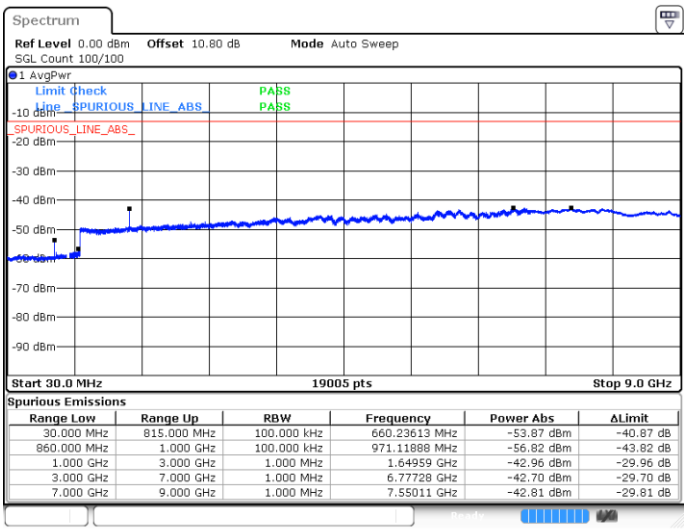
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.67441 MHz	-52.23 dBm	-39.23 dB
860.000 MHz	1.000 GHz	100.000 kHz	981.46853 MHz	-57.38 dBm	-44.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-42.08 dBm	-29.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78728 GHz	-42.77 dBm	-29.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-42.87 dBm	-29.87 dB

Date: 24.FEB.2020 17:05:51

LTE Band 5 / 10MHz

Lowest Channel / QPSK

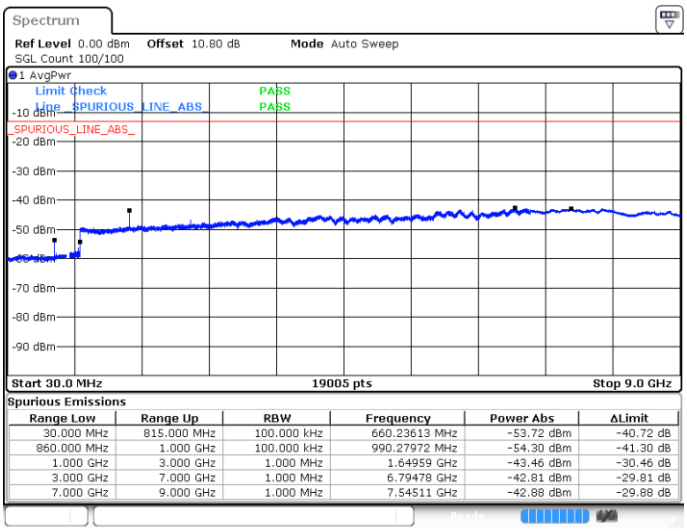


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	660.23613 MHz	-53.87 dBm	-40.87 dB
860.000 MHz	1.000 GHz	100.000 kHz	971.11888 MHz	-56.82 dBm	-43.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-42.96 dBm	-29.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77728 GHz	-42.70 dBm	-29.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-42.81 dBm	-29.81 dB

Date: 24.FEB.2020 18:53:35

Lowest Channel / 16QAM



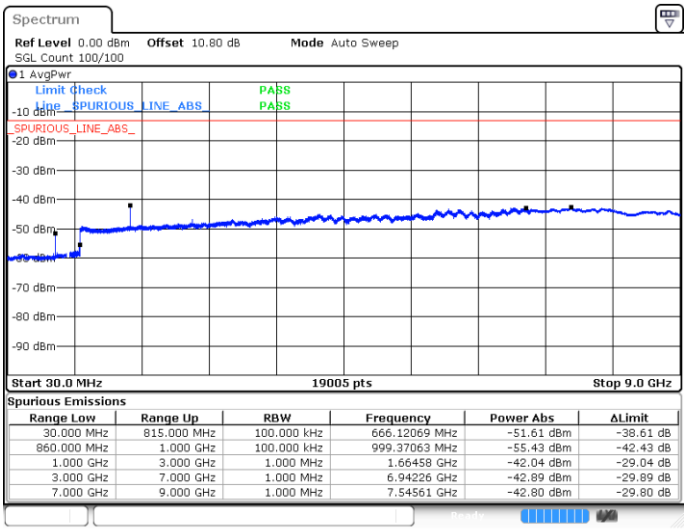
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	660.23613 MHz	-53.72 dBm	-40.72 dB
860.000 MHz	1.000 GHz	100.000 kHz	990.27972 MHz	-54.30 dBm	-41.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-43.46 dBm	-30.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79478 GHz	-42.81 dBm	-29.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54511 GHz	-42.88 dBm	-29.88 dB

Date: 24.FEB.2020 18:54:22

LTE Band 5 / 10MHz

Middle Channel / QPSK

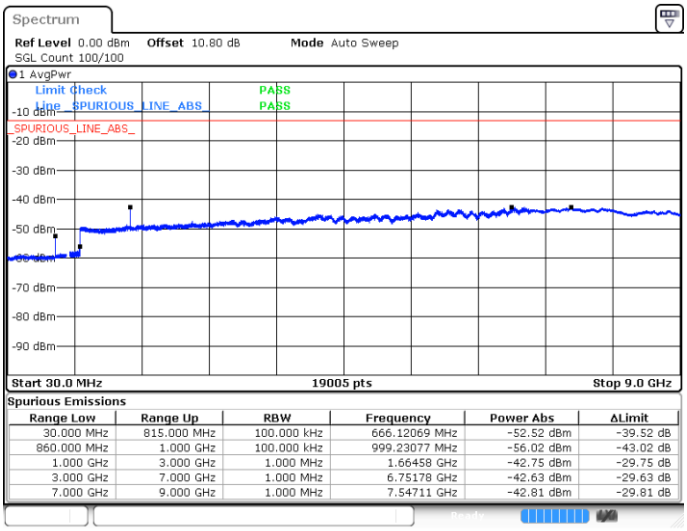


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	666.12069 MHz	-51.61 dBm	-38.61 dB
860.000 MHz	1.000 GHz	100.000 kHz	999.37063 MHz	-55.43 dBm	-42.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-42.04 dBm	-29.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94226 GHz	-42.89 dBm	-29.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54561 GHz	-42.80 dBm	-29.80 dB

Date: 24.FEB.2020 18:35:29

Middle Channel / 16QAM

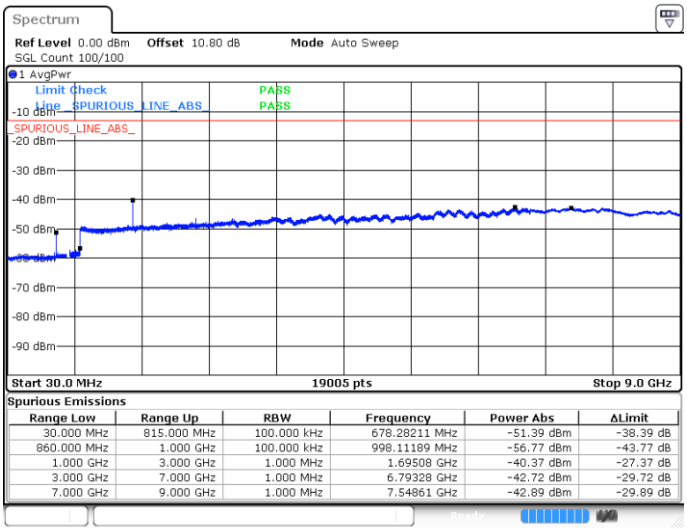


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	666.12069 MHz	-52.52 dBm	-39.52 dB
860.000 MHz	1.000 GHz	100.000 kHz	999.23077 MHz	-56.02 dBm	-43.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-42.75 dBm	-29.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75178 GHz	-42.63 dBm	-29.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-42.81 dBm	-29.81 dB

Date: 24.FEB.2020 18:36:15

Highest Channel / QPSK

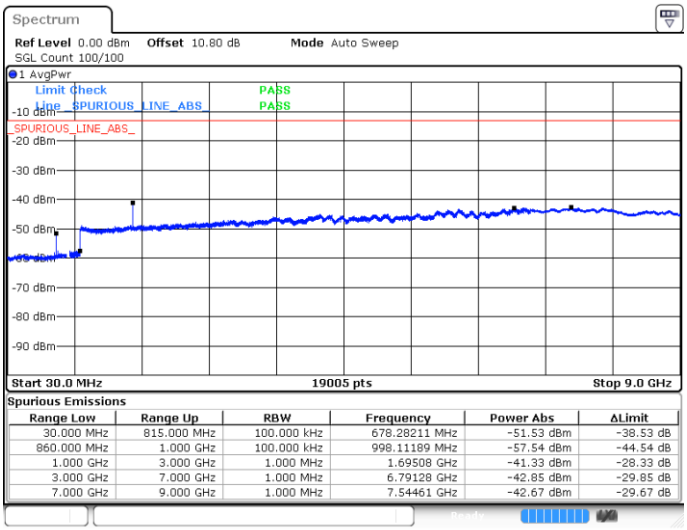


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.28211 MHz	-51.39 dBm	-38.39 dB
860.000 MHz	1.000 GHz	100.000 kHz	998.11189 MHz	-56.77 dBm	-43.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69508 GHz	-40.37 dBm	-27.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79328 GHz	-42.72 dBm	-29.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-42.89 dBm	-29.89 dB

Date: 24.FEB.2020 19:06:31

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	678.28211 MHz	-51.53 dBm	-38.53 dB
860.000 MHz	1.000 GHz	100.000 kHz	998.11189 MHz	-57.54 dBm	-44.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69508 GHz	-41.33 dBm	-28.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-42.85 dBm	-29.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-42.67 dBm	-29.67 dB

Date: 24.FEB.2020 19:07:18

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0094	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0093	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =5.00 V.；Battery End Point (BEP) =4.75 V.；Maximum Voltage =5.25 V.

2. The frequency fundamental emissions stay within the authorized frequency block.

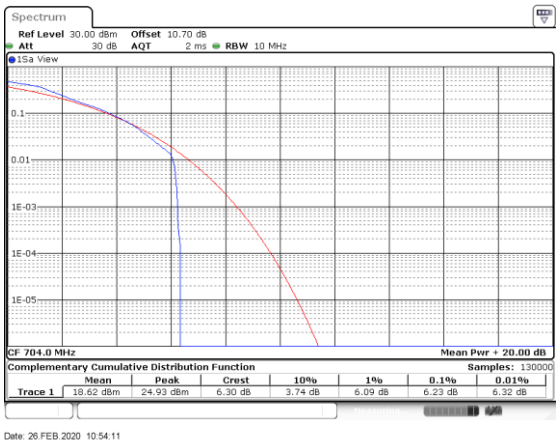
LTE Band 12

Peak-to-Average Ratio

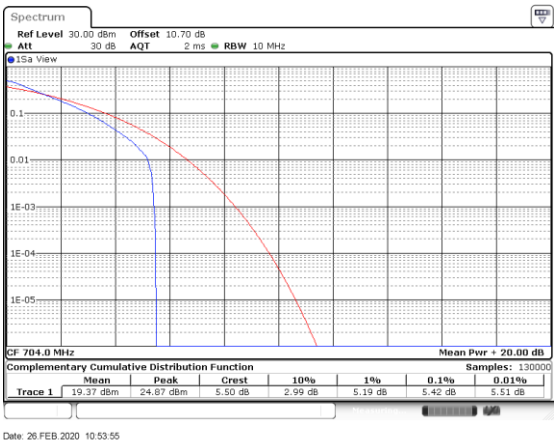
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.23	5.42	6.78	5.86	PASS
Middle CH	4.90	4.93	6.26	6.93	
Highest CH	6.00	4.93	5.57	6.70	

LTE Band 12 / 10MHz / QPSK

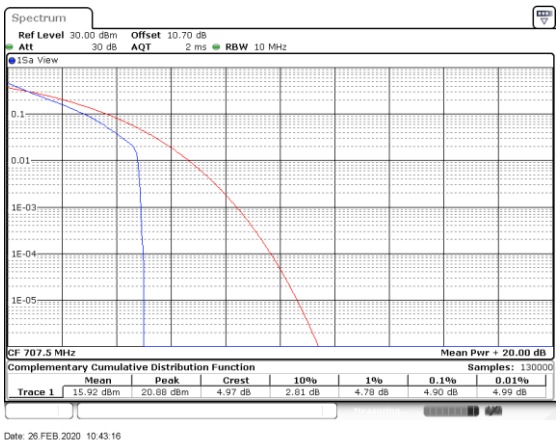
Lowest Channel / 1RB



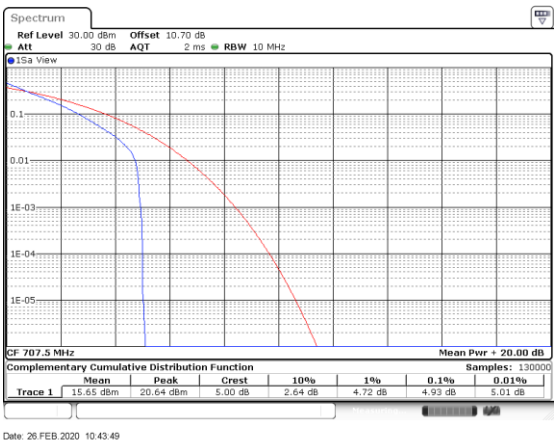
Lowest Channel / Full RB



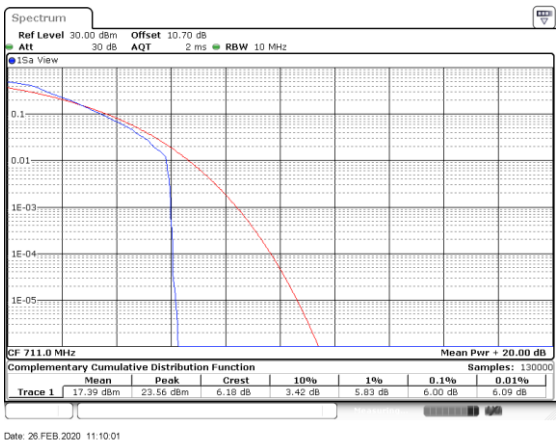
Middle Channel / 1RB



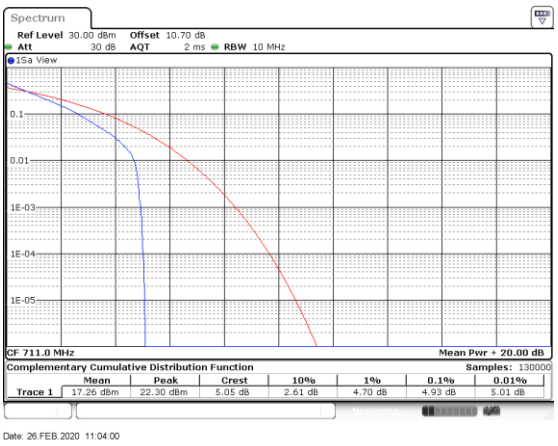
Middle Channel / Full RB



Highest Channel / 1RB

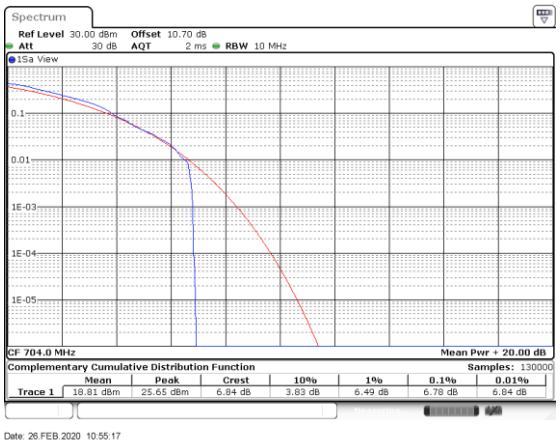


Highest Channel / Full RB

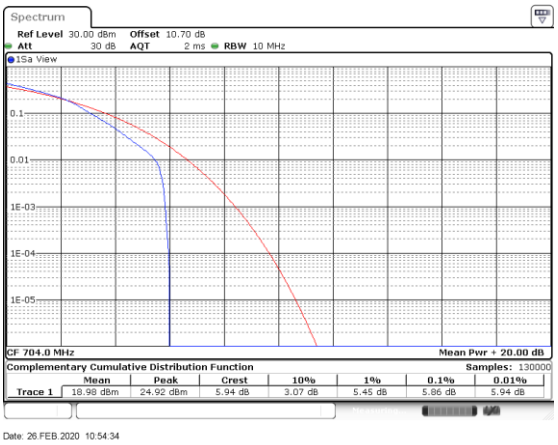


LTE Band 12 / 10MHz / 16QAM

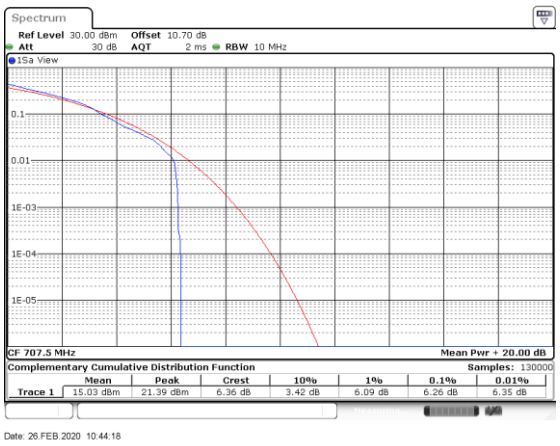
Lowest Channel / 1RB



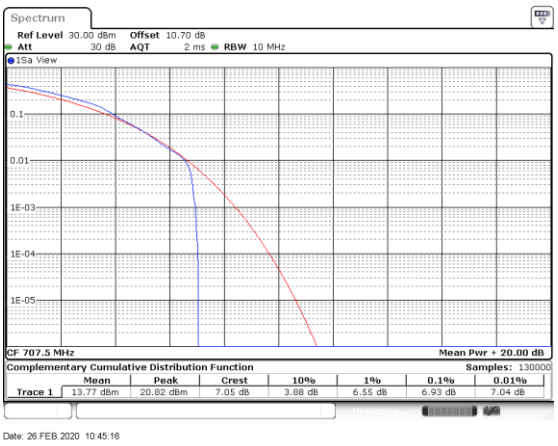
Lowest Channel / Full RB



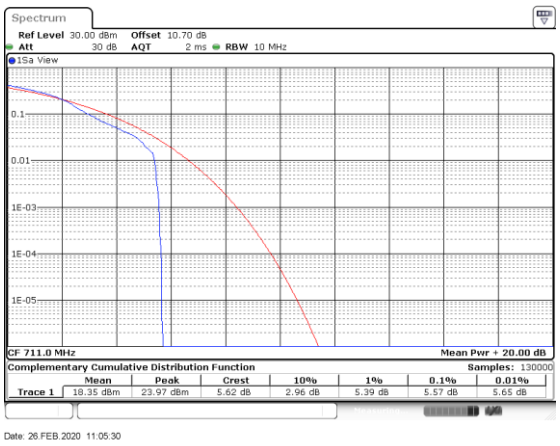
Middle Channel / 1RB



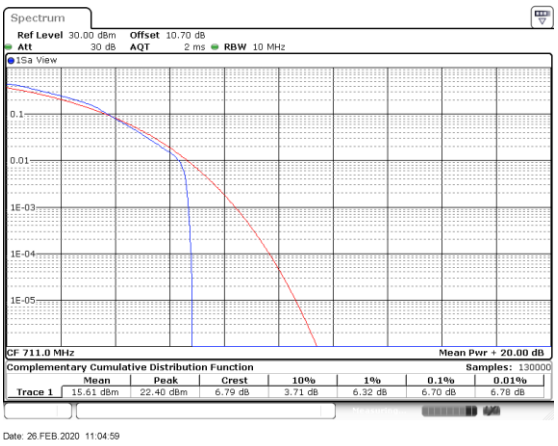
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

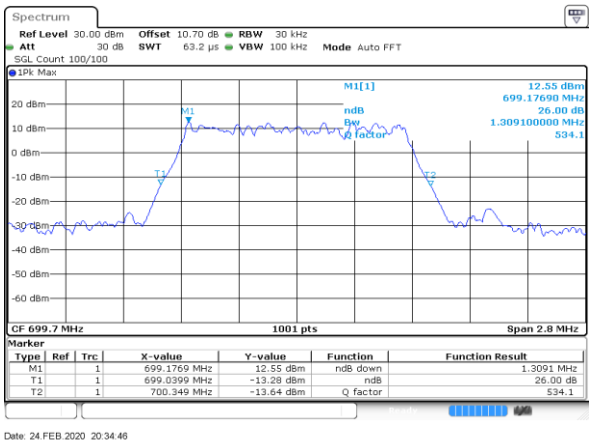


26dB Bandwidth

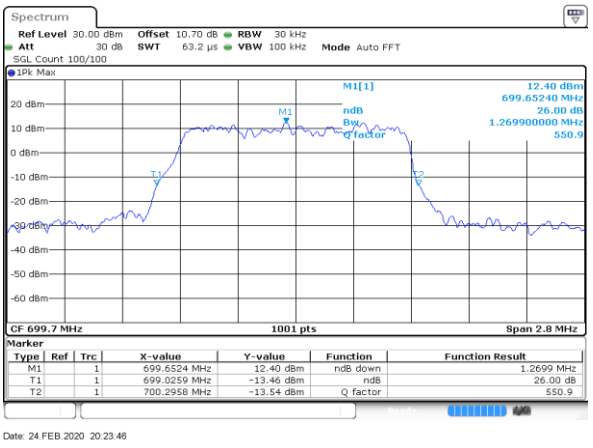
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.31	1.27	1.47	1.63	1.53	1.43	1.78	2.02	-	-	-	-
Middle CH	1.21	1.30	1.52	1.54	1.45	1.44	2.08	1.74	-	-	-	-
Highest CH	1.27	1.33	1.43	1.47	1.50	1.59	2.12	1.76	-	-	-	-

LTE Band 12

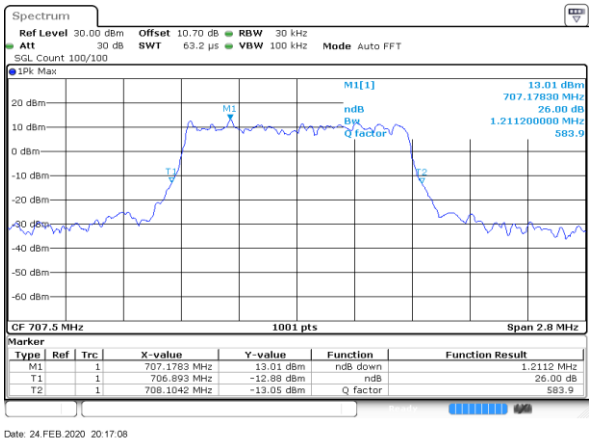
Lowest Channel / 1.4MHz / QPSK



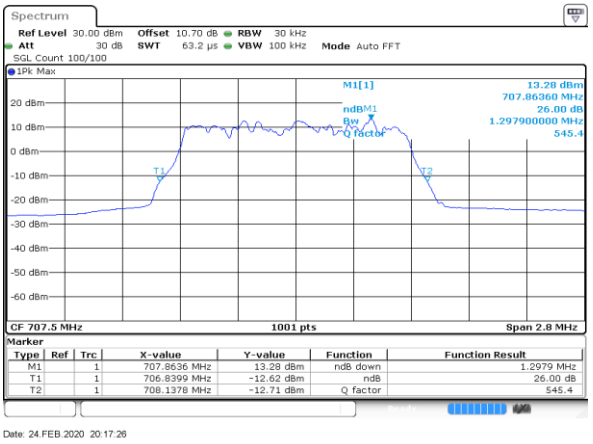
Lowest Channel / 1.4MHz / 16QAM



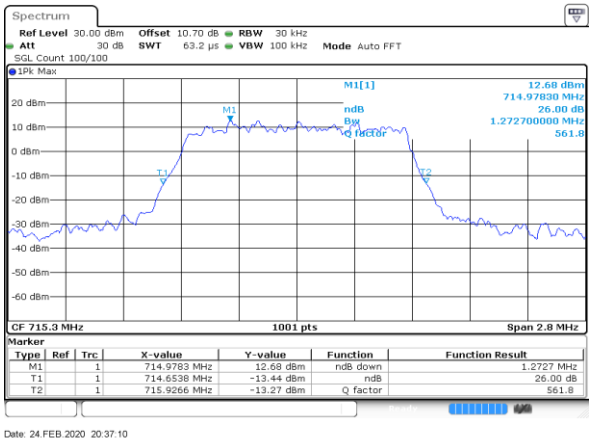
Middle Channel / 1.4MHz / QPSK



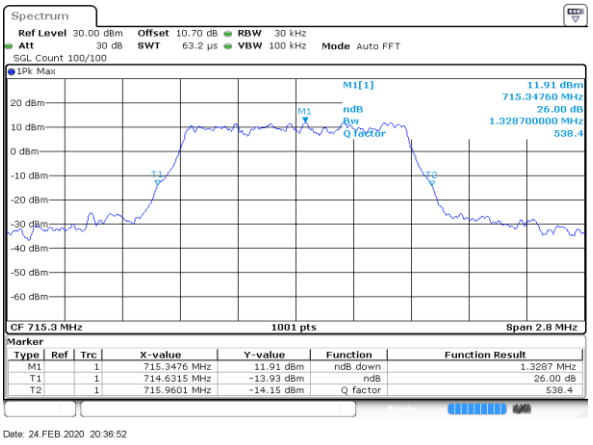
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

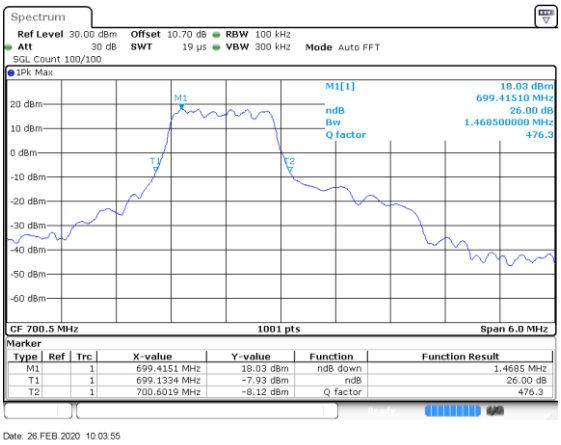


Highest Channel / 1.4MHz / 16QAM

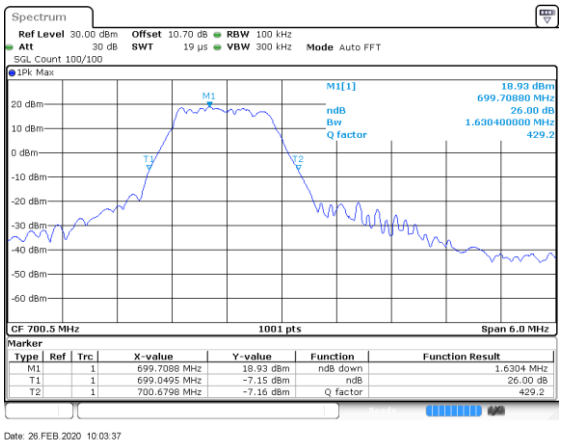


LTE Band 12

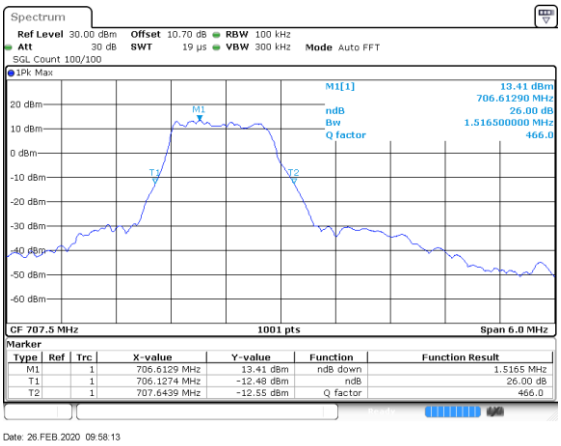
Lowest Channel / 3MHz / QPSK



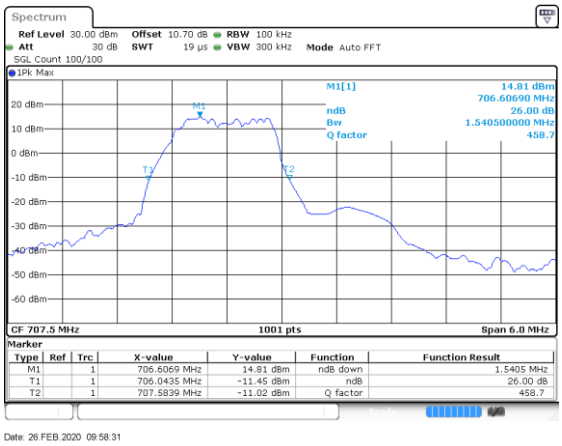
Lowest Channel / 3MHz / 16QAM



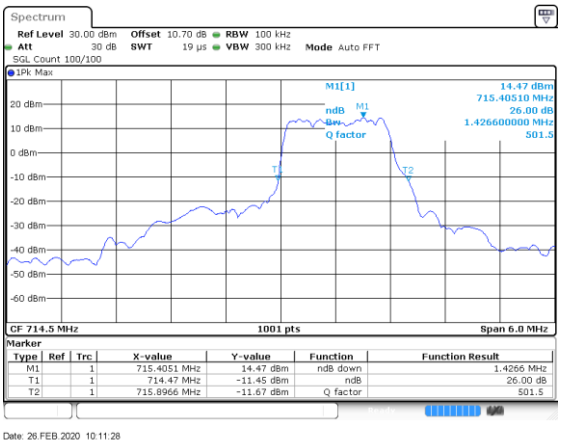
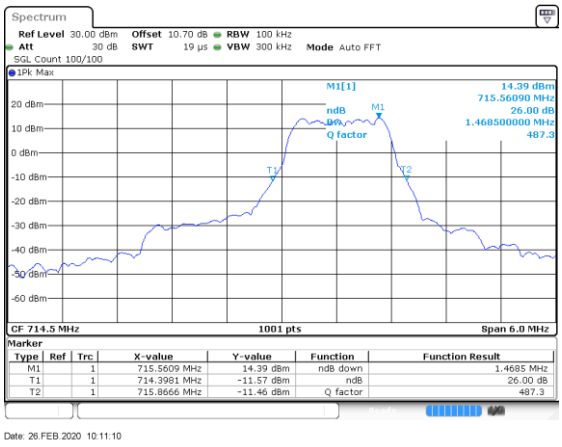
Middle Channel / 3MHz / QPSK



Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK



Highest Channel /3MHz / 16QAM