LTE Band 5 / 1.4MHz / 16QAM

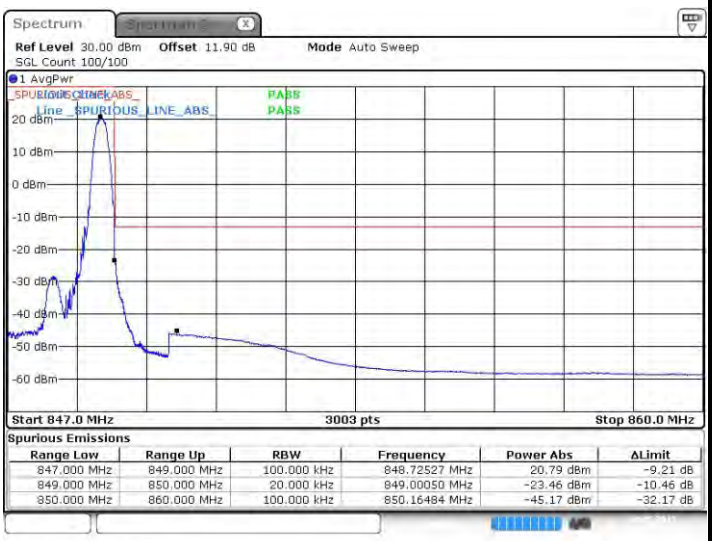
Lowest Band Edge / 1 RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-46.20 dBm	-33.20 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99351 MHz	-22.61 dBm	-9.61 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.24076 MHz	20.62 dBm	-9.38 dB

Date: 19.MAY.2015 11:09:31

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	848.72527 MHz	20.79 dBm	-9.21 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-23.46 dBm	-10.46 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.16484 MHz	-45.17 dBm	-32.17 dB

Date: 19.MAY.2015 11:15:21

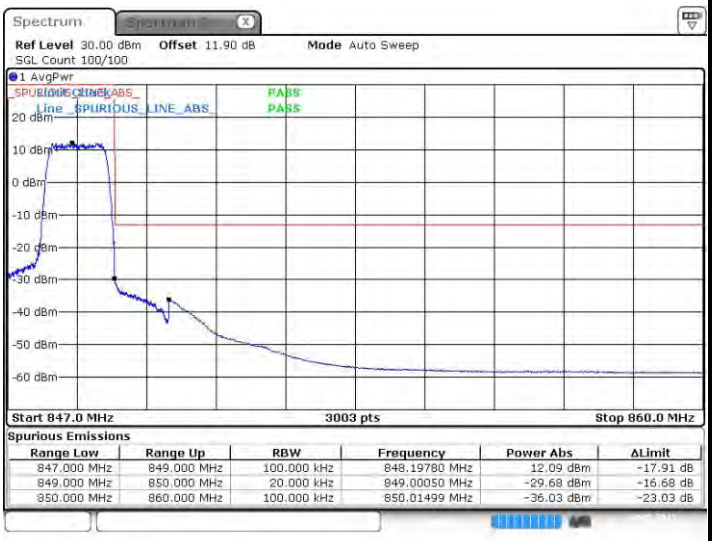
Lowest Band Edge / Full RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-35.48 dBm	-22.48 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-30.04 dBm	-17.04 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.40460 MHz	12.63 dBm	-17.37 dB

Date: 19.MAY.2015 11:07:36

Highest Band Edge / Full RB



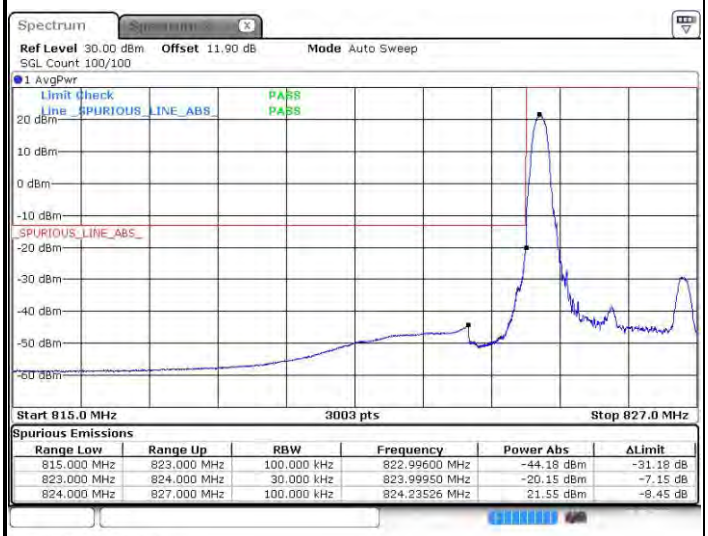
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.19780 MHz	12.09 dBm	-17.91 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-29.68 dBm	-16.68 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-36.03 dBm	-23.03 dB

Date: 19.MAY.2015 11:17:16

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

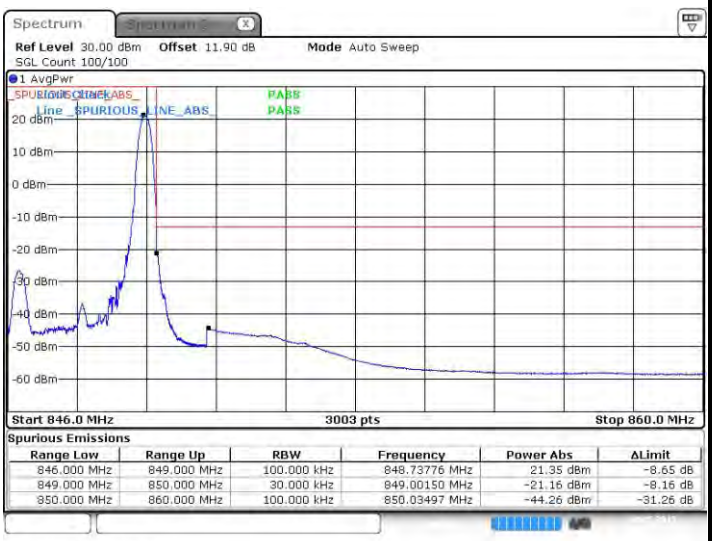


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-44.18 dBm	-31.18 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-20.15 dBm	-7.15 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.23526 MHz	21.55 dBm	-8.45 dB

Date: 19.MAY.2015 09:24:54

Highest Band Edge / 1 RB

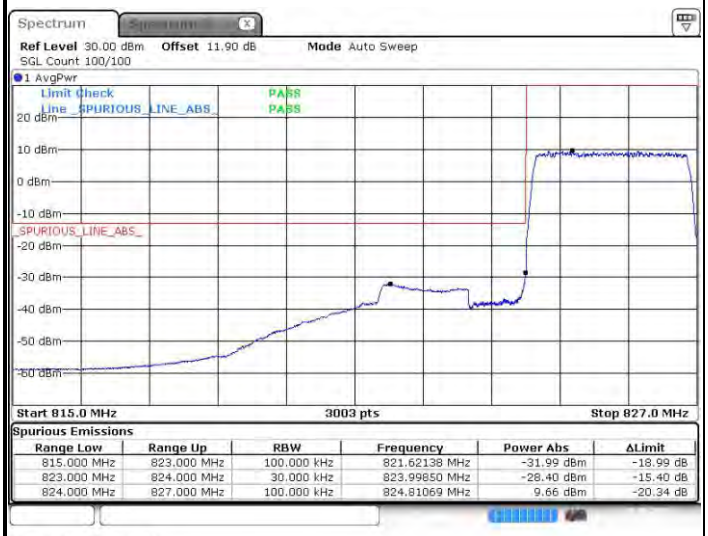


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.73776 MHz	21.35 dBm	-8.65 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00150 MHz	-21.16 dBm	-8.16 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-44.26 dBm	-31.26 dB

Date: 19.MAY.2015 09:35:48

Lowest Band Edge / Full RB

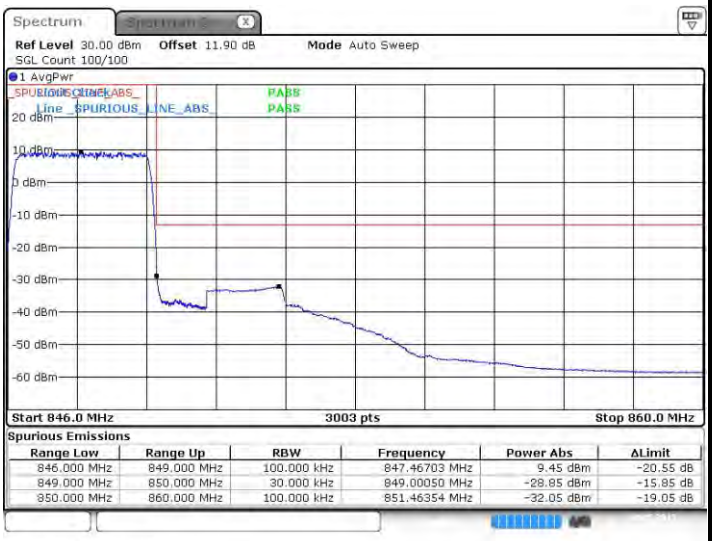


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	821.62138 MHz	-31.99 dBm	-18.99 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99850 MHz	-28.40 dBm	-15.40 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.81069 MHz	9.66 dBm	-20.34 dB

Date: 19.MAY.2015 09:27:13

Highest Band Edge / Full RB



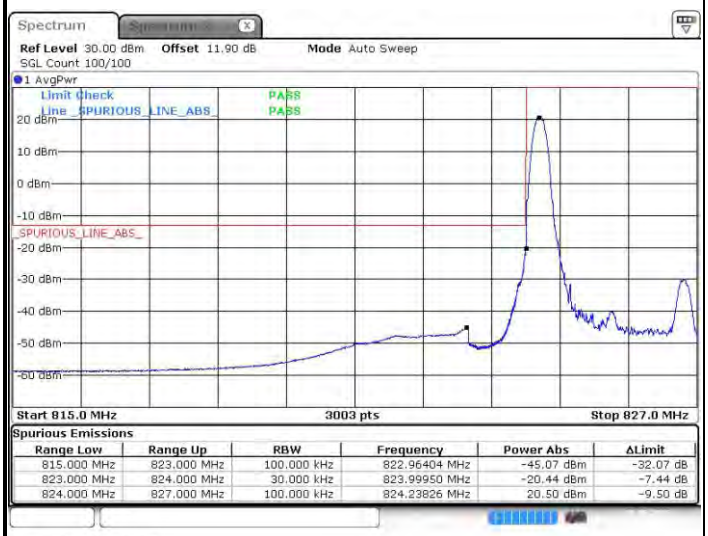
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.46703 MHz	9.45 dBm	-20.55 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-28.85 dBm	-15.85 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.46354 MHz	-32.05 dBm	-19.05 dB

Date: 19.MAY.2015 09:38:08

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

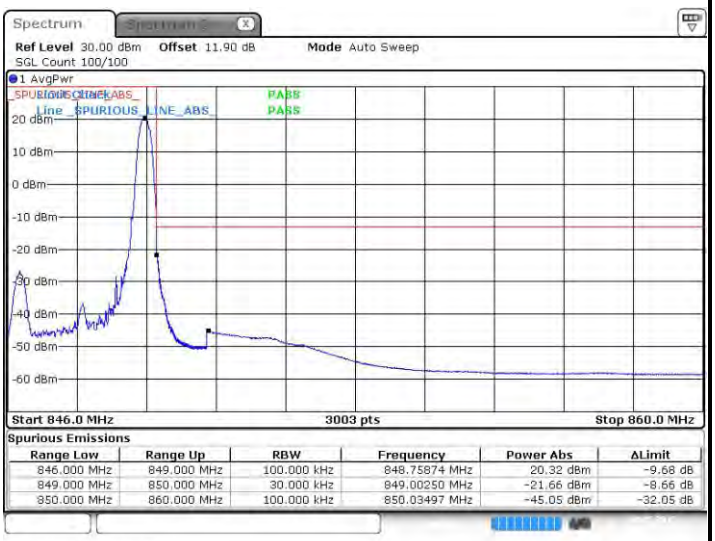


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-45.07 dBm	-32.07 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-20.44 dBm	-7.44 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.23826 MHz	20.50 dBm	-9.50 dB

Date: 19.MAY.2015 09:26:03

Highest Band Edge /1 RB

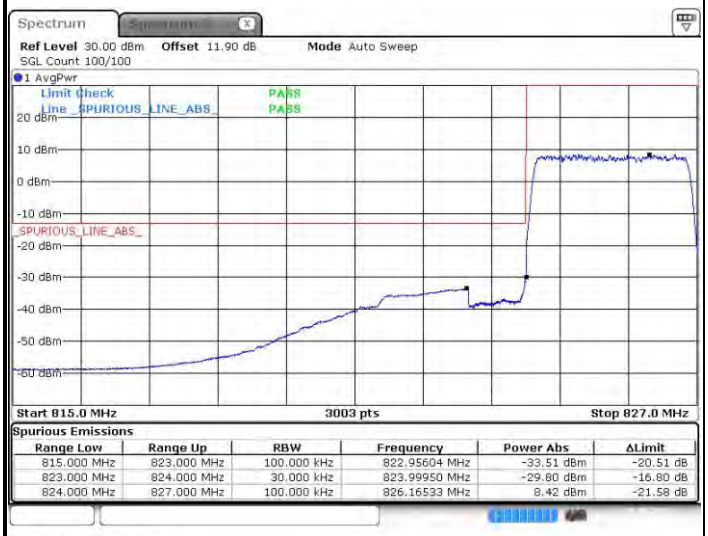


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.75874 MHz	20.32 dBm	-9.68 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00250 MHz	-21.66 dBm	-8.66 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-45.05 dBm	-32.05 dB

Date: 19.MAY.2015 09:36:58

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	-33.51 dBm	-20.51 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-29.80 dBm	-16.80 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.16533 MHz	8.42 dBm	-21.58 dB

Date: 19.MAY.2015 09:28:23

Highest Band Edge / Full RB

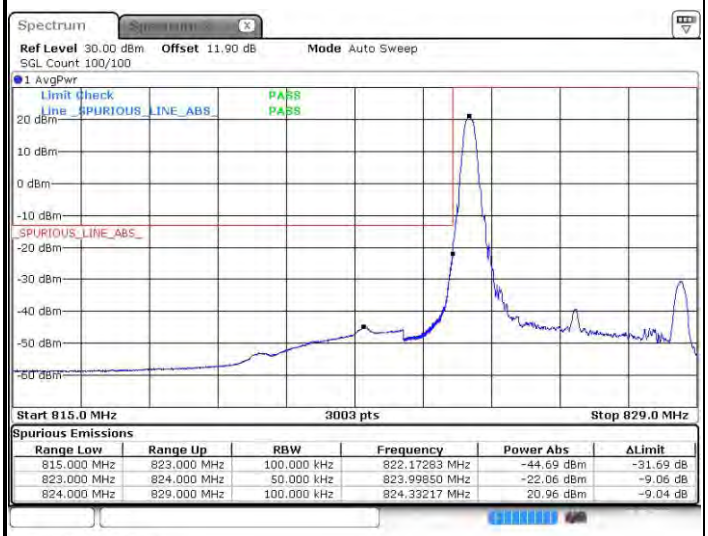
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.21329 MHz	8.67 dBm	-21.33 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00250 MHz	-29.39 dBm	-16.39 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.13487 MHz	-31.76 dBm	-18.76 dB

Date: 19.MAY.2015 09:39:18

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

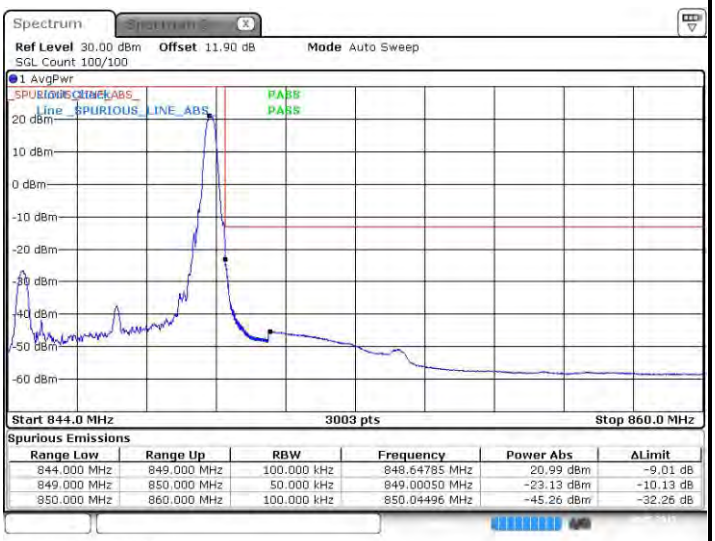


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.17263 MHz	-44.69 dBm	-31.69 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99850 MHz	-22.06 dBm	-9.06 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.33217 MHz	20.96 dBm	-9.04 dB

Date: 19.MAY.2015 09:43:38

Highest Band Edge / 1 RB

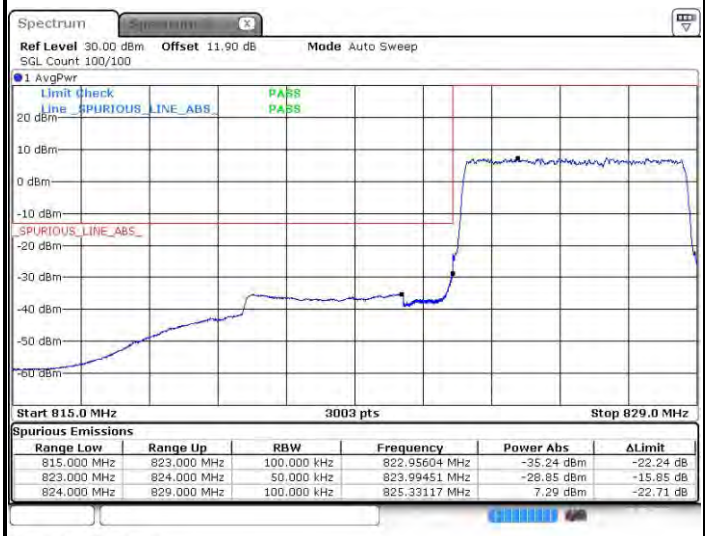


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.64785 MHz	20.99 dBm	-9.01 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-23.13 dBm	-10.13 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.04496 MHz	-45.26 dBm	-32.26 dB

Date: 19.MAY.2015 09:54:30

Lowest Band Edge / Full RB

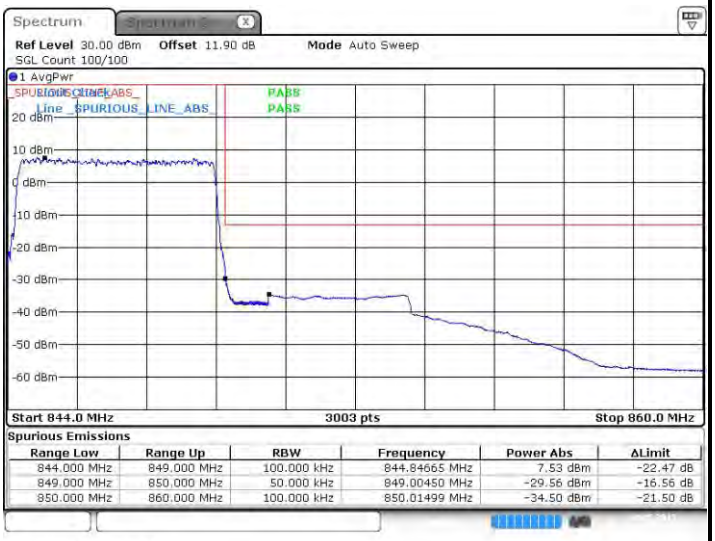


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-35.24 dBm	-22.24 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99451 MHz	-28.85 dBm	-15.85 dB
824.000 MHz	829.000 MHz	100.000 kHz	825.33117 MHz	7.29 dBm	-22.71 dB

Date: 19.MAY.2015 09:45:58

Highest Band Edge / Full RB



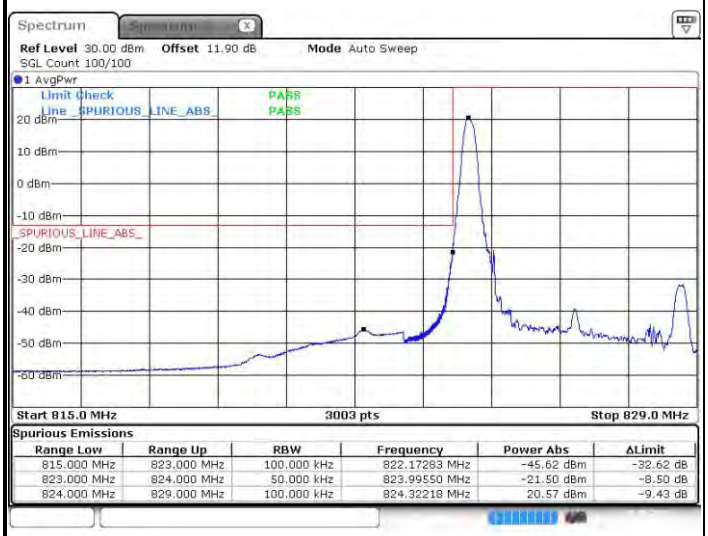
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.84665 MHz	7.53 dBm	-22.47 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00450 MHz	-29.56 dBm	-16.56 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-34.50 dBm	-21.50 dB

Date: 19.MAY.2015 09:56:50

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

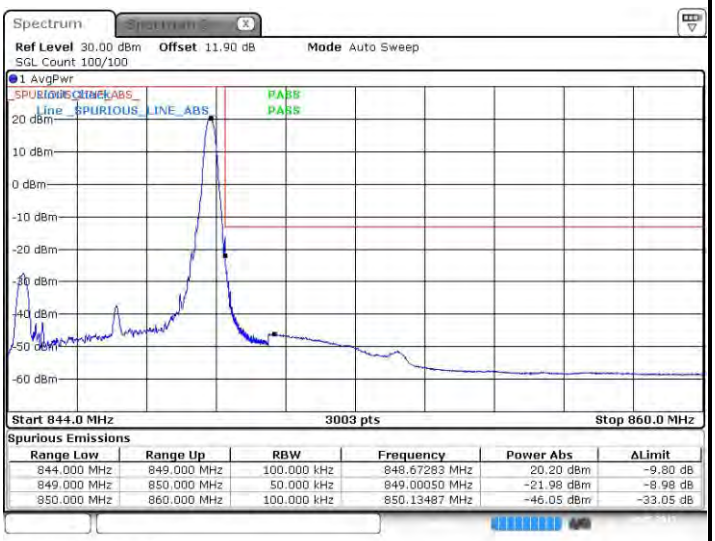


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.17283 MHz	-45.62 dBm	-32.62 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99550 MHz	-21.50 dBm	-8.50 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.32218 MHz	20.57 dBm	-9.43 dB

Date: 19.MAY.2015 09:44:48

Highest Band Edge / 1 RB

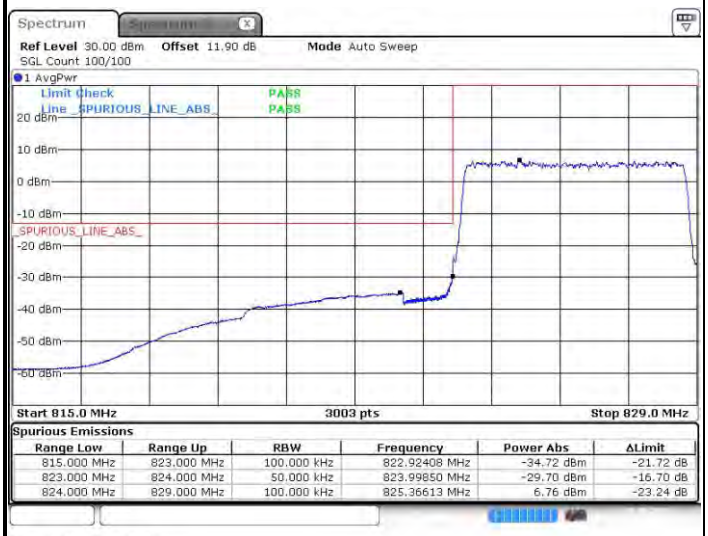


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.67283 MHz	20.20 dBm	-9.80 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-21.98 dBm	-8.98 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.13487 MHz	-46.05 dBm	-33.05 dB

Date: 19.MAY.2015 09:55:40

Lowest Band Edge / Full RB

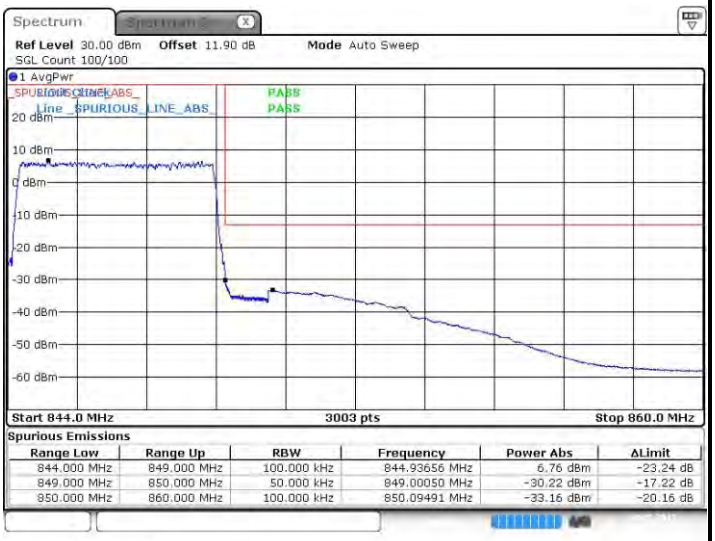


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-34.72 dBm	-21.72 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99850 MHz	-29.70 dBm	-16.70 dB
824.000 MHz	829.000 MHz	100.000 kHz	825.36613 MHz	6.76 dBm	-23.24 dB

Date: 19.MAY.2015 09:47:08

Highest Band Edge / Full RB



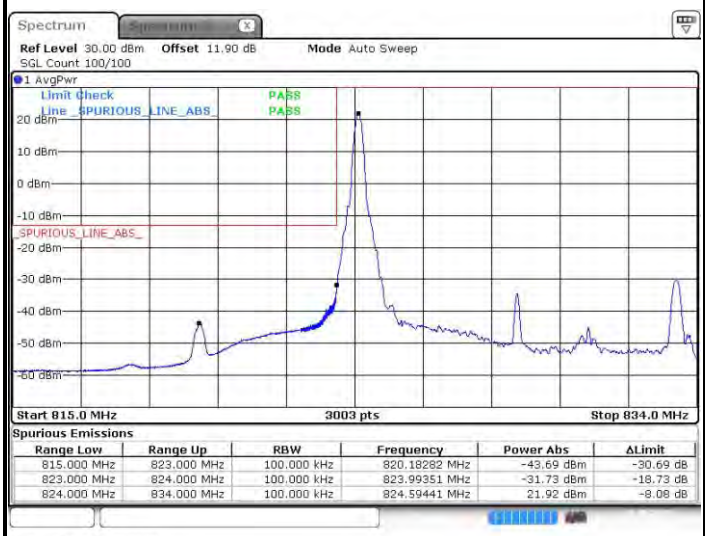
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.93656 MHz	6.76 dBm	-23.24 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-30.22 dBm	-17.22 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.09491 MHz	-33.16 dBm	-20.16 dB

Date: 19.MAY.2015 09:58:00

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

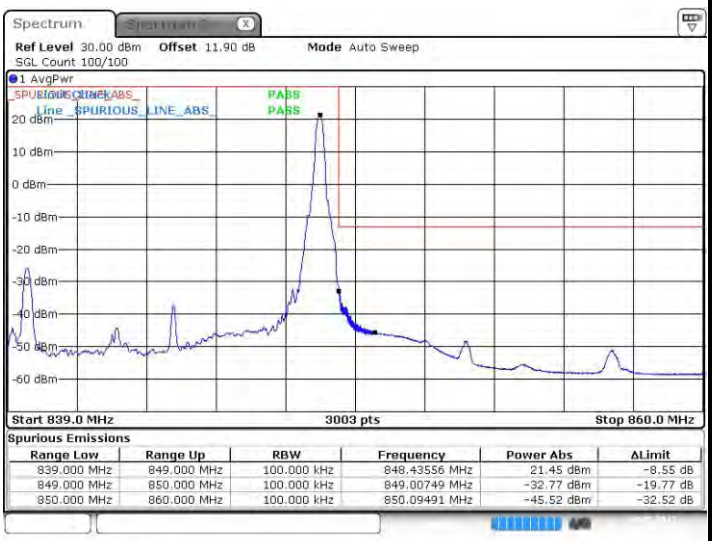


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.18282 MHz	-43.69 dBm	-30.69 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99351 MHz	-31.73 dBm	-18.73 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.59441 MHz	21.92 dBm	-8.08 dB

Date: 19.MAY.2015 10:02:20

Highest Band Edge / 1 RB

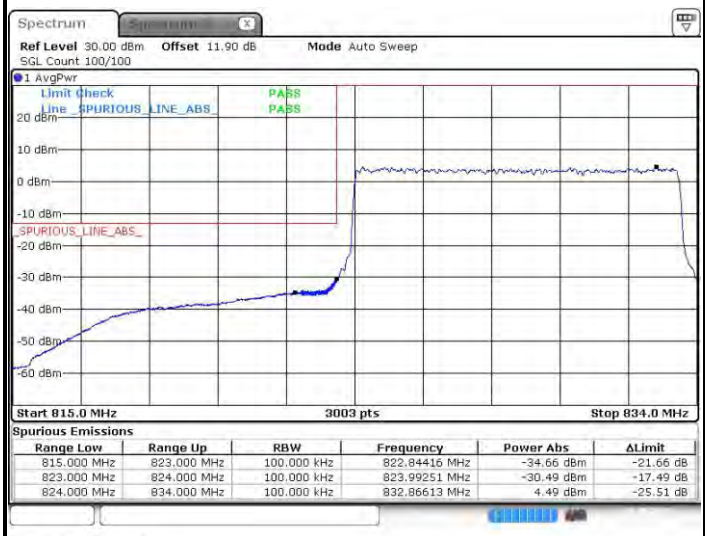


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.43556 MHz	21.45 dBm	-8.55 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00749 MHz	-32.77 dBm	-19.77 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.09491 MHz	-45.52 dBm	-32.52 dB

Date: 19.MAY.2015 10:13:12

Lowest Band Edge / Full RB

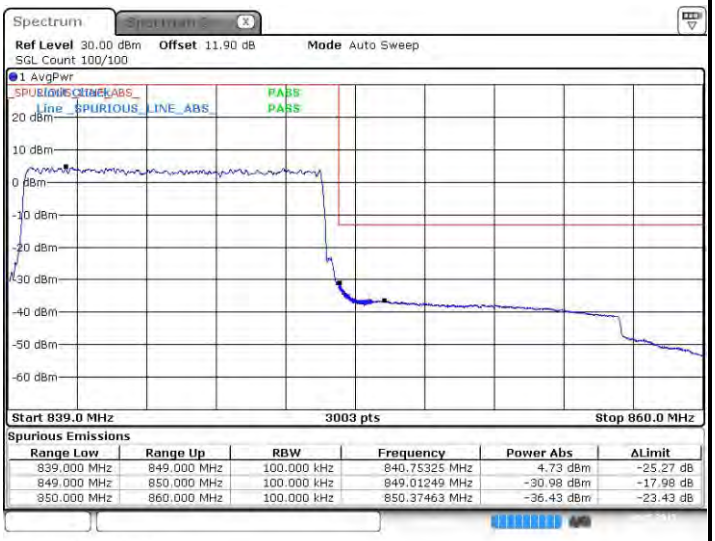


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.84416 MHz	-34.66 dBm	-21.66 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99251 MHz	-30.49 dBm	-17.49 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.86613 MHz	4.49 dBm	-25.51 dB

Date: 19.MAY.2015 10:04:40

Highest Band Edge / Full RB



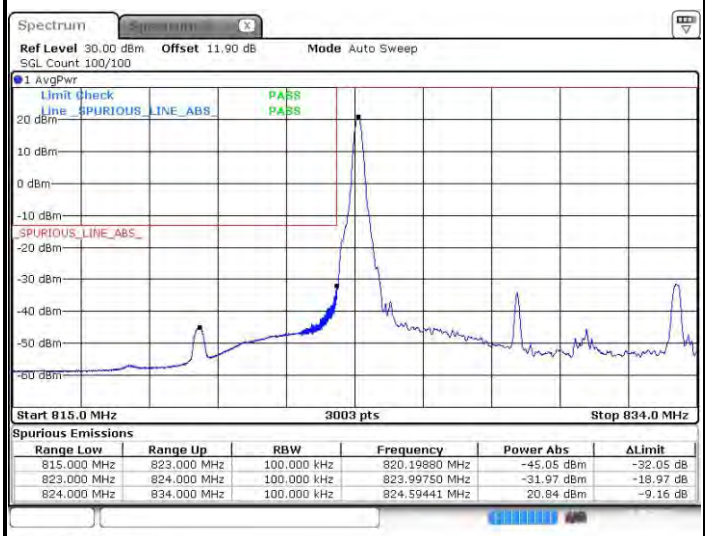
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	840.75325 MHz	4.73 dBm	-25.27 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.01249 MHz	-30.98 dBm	-17.98 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.37463 MHz	-36.43 dBm	-23.43 dB

Date: 19.MAY.2015 10:15:32

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

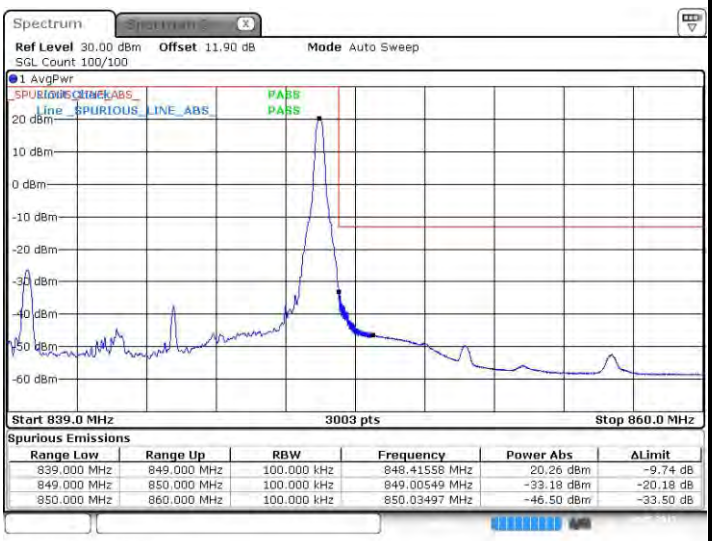


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.19880 MHz	-45.05 dBm	-32.05 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99750 MHz	-31.97 dBm	-18.97 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.59441 MHz	20.84 dBm	-9.16 dB

Date: 19.MAY.2015 10:03:30

Highest Band Edge / 1 RB

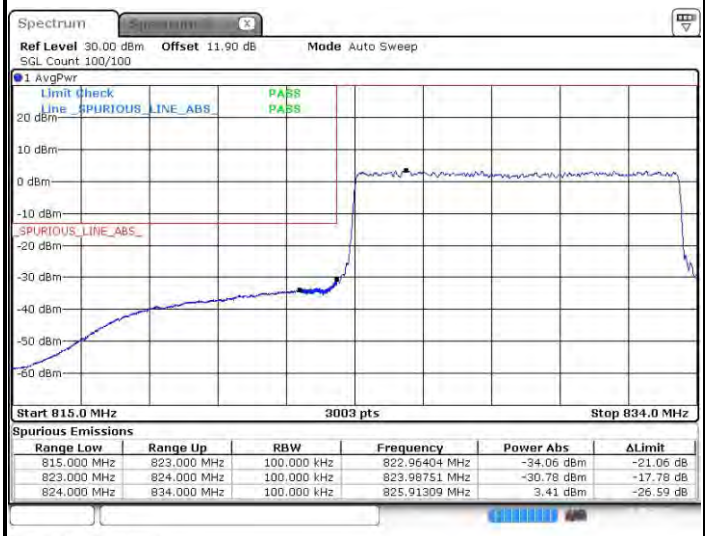


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.41558 MHz	20.26 dBm	-9.74 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00549 MHz	-33.18 dBm	-20.18 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-46.50 dBm	-33.50 dB

Date: 19.MAY.2015 10:14:22

Lowest Band Edge / Full RB

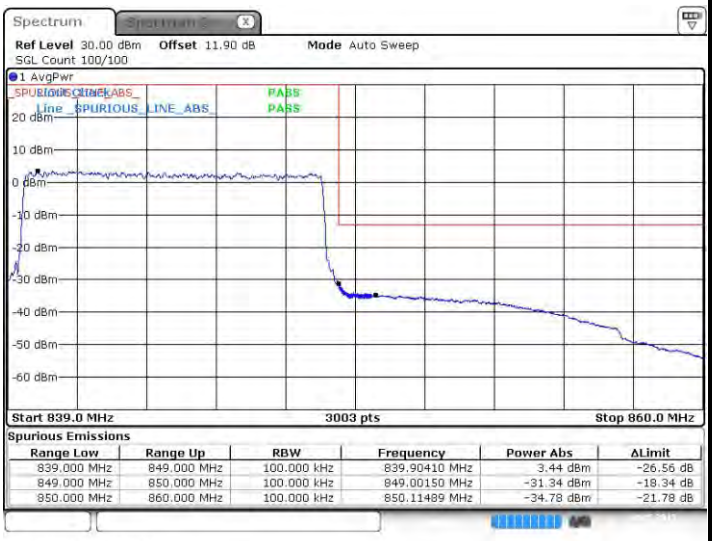


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-34.06 dBm	-21.06 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98751 MHz	-30.78 dBm	-17.78 dB
824.000 MHz	834.000 MHz	100.000 kHz	825.91309 MHz	3.41 dBm	-26.59 dB

Date: 19.MAY.2015 10:05:50

Highest Band Edge / Full RB



Spurious Emissions

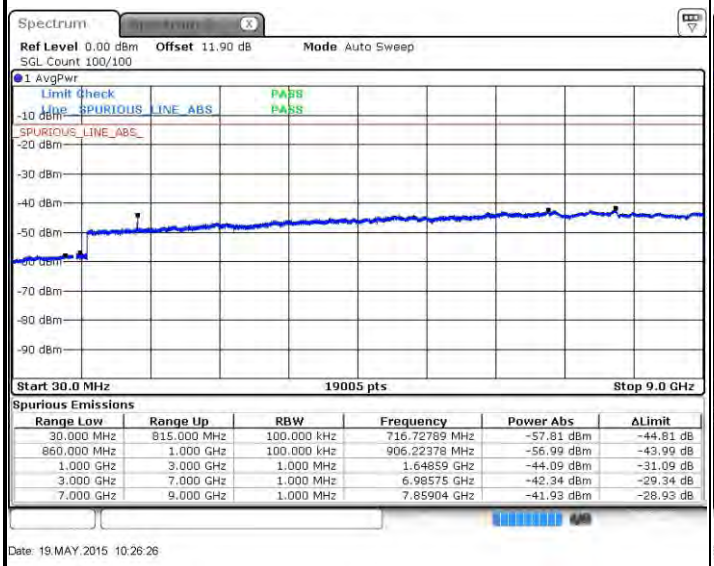
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	839.90410 MHz	3.44 dBm	-26.56 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00150 MHz	-31.34 dBm	-18.34 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.11489 MHz	-34.78 dBm	-21.78 dB

Date: 19.MAY.2015 10:16:42

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

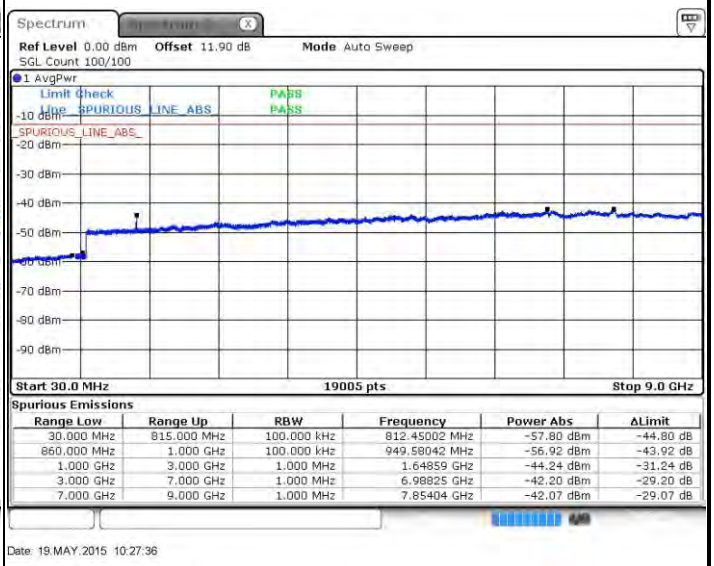


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	716.72789 MHz	-57.81 dBm	-44.81 dB
860.000 MHz	1.000 GHz	100.000 kHz	906.22378 MHz	-56.99 dBm	-43.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-44.09 dBm	-31.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-42.34 dBm	-29.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85904 GHz	-41.93 dBm	-28.93 dB

Date: 19.MAY.2015 10:26:26

Lowest Channel / 16QAM

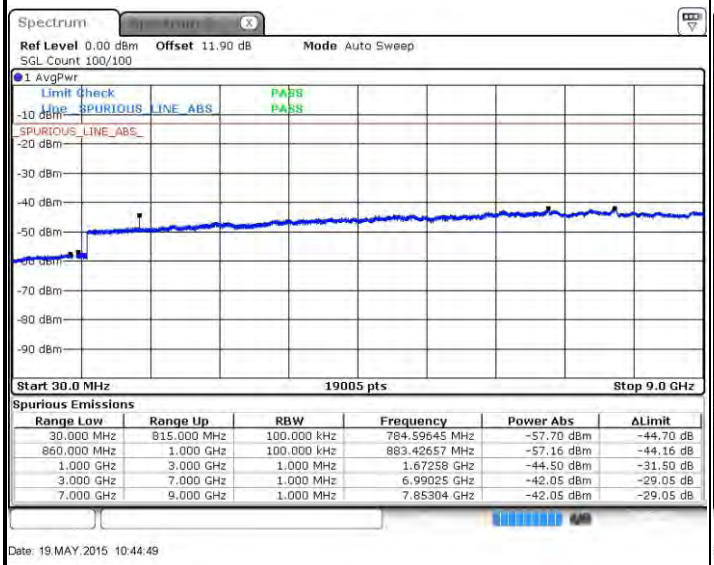


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.45002 MHz	-57.80 dBm	-44.80 dB
860.000 MHz	1.000 GHz	100.000 kHz	949.58042 MHz	-56.92 dBm	-43.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-44.24 dBm	-31.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85404 GHz	-42.07 dBm	-29.07 dB

Date: 19.MAY.2015 10:27:36

Middle Channel / QPSK

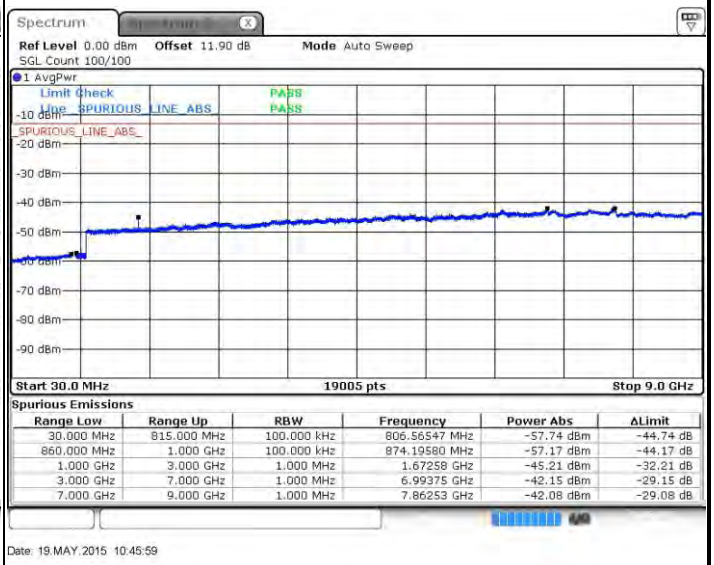


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	784.59645 MHz	-57.70 dBm	-44.70 dB
860.000 MHz	1.000 GHz	100.000 kHz	883.42657 MHz	-57.16 dBm	-44.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-44.50 dBm	-31.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.05 dBm	-29.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85304 GHz	-42.05 dBm	-29.05 dB

Date: 19.MAY.2015 10:44:49

Middle Channel / 16QAM



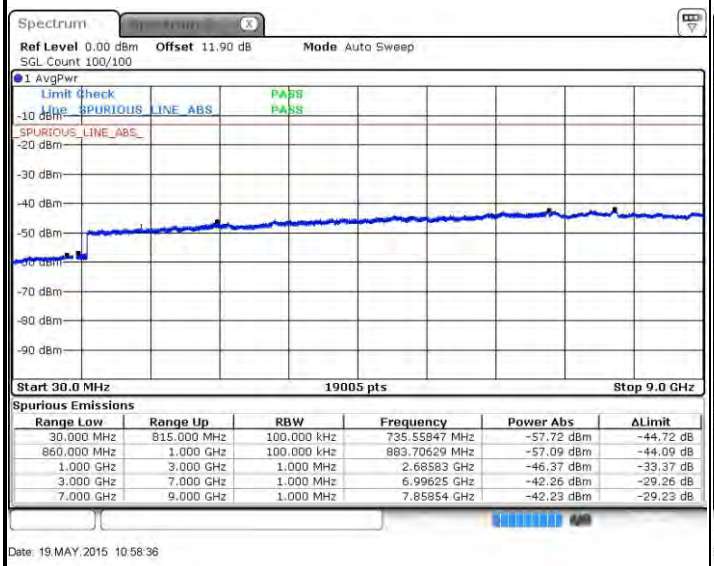
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	806.56547 MHz	-57.74 dBm	-44.74 dB
860.000 MHz	1.000 GHz	100.000 kHz	874.19580 MHz	-57.17 dBm	-44.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-45.21 dBm	-32.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-42.15 dBm	-29.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86253 GHz	-42.08 dBm	-29.08 dB

Date: 19.MAY.2015 10:45:59

LTE Band 5 / 1.4MHz

Highest Channel / QPSK

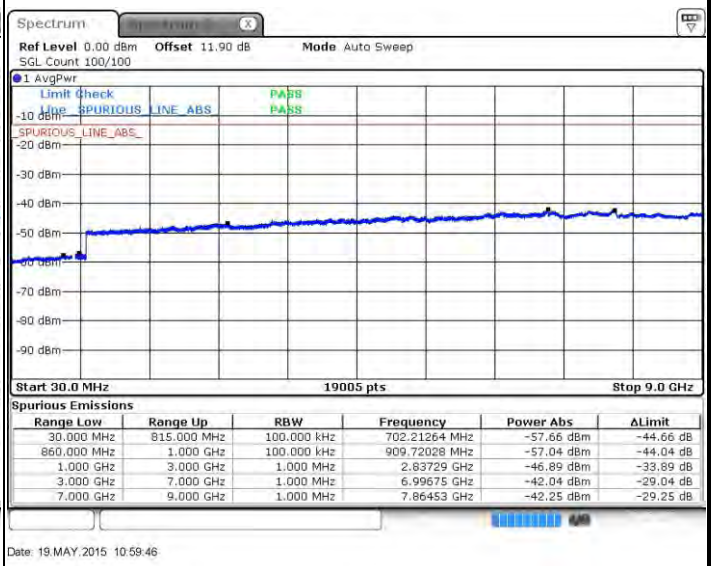


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	735.55847 MHz	-57.72 dBm	-44.72 dB
860.000 MHz	1.000 GHz	100.000 kHz	883.70629 MHz	-57.09 dBm	-44.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.68583 GHz	-46.37 dBm	-33.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-42.26 dBm	-29.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85854 GHz	-42.23 dBm	-29.23 dB

Date: 19.MAY.2015 10:58:36

Highest Channel / 16QAM



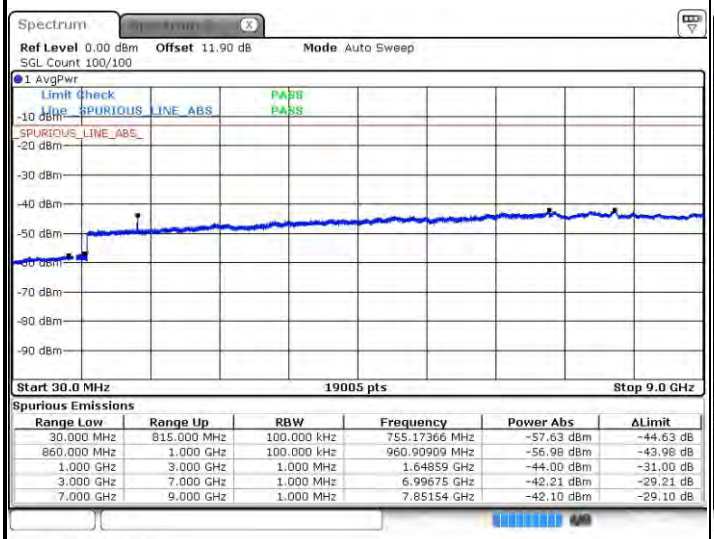
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	702.21264 MHz	-57.66 dBm	-44.66 dB
860.000 MHz	1.000 GHz	100.000 kHz	909.72028 MHz	-57.04 dBm	-44.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83729 GHz	-46.89 dBm	-33.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-42.04 dBm	-29.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86453 GHz	-42.25 dBm	-29.25 dB

Date: 19.MAY.2015 10:59:46

LTE Band 5 / 3MHz

Lowest Channel / QPSK

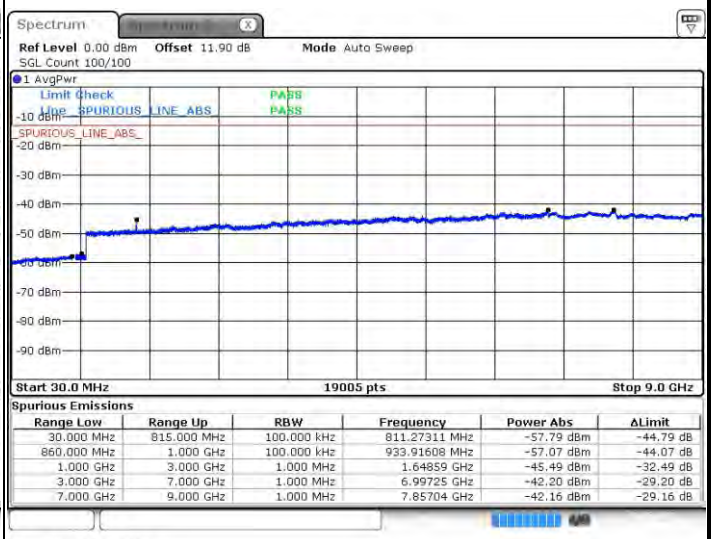


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	755.17366 MHz	-57.63 dBm	-44.63 dB
860.000 MHz	1.000 GHz	100.000 kHz	960.90909 MHz	-56.98 dBm	-43.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-44.00 dBm	-31.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-42.21 dBm	-29.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85154 GHz	-42.10 dBm	-29.10 dB

Date: 19.MAY.2015 09:29:34

Lowest Channel / 16QAM



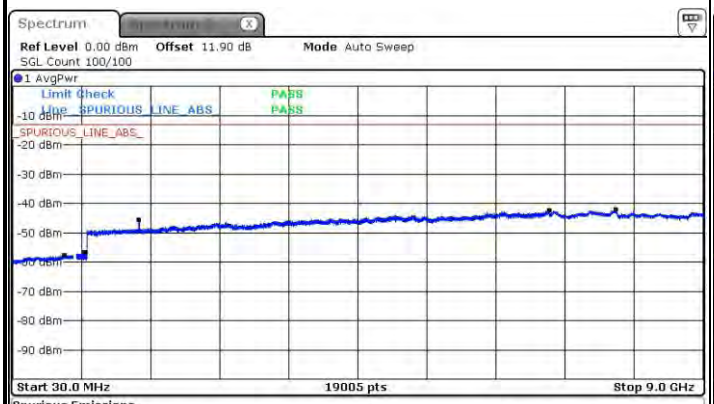
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.27311 MHz	-57.79 dBm	-44.79 dB
860.000 MHz	1.000 GHz	100.000 kHz	933.91608 MHz	-57.07 dBm	-44.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-45.49 dBm	-32.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-42.16 dBm	-29.16 dB

Date: 19.MAY.2015 09:30:44

LTE Band 5 / 3MHz

Middle Channel / QPSK

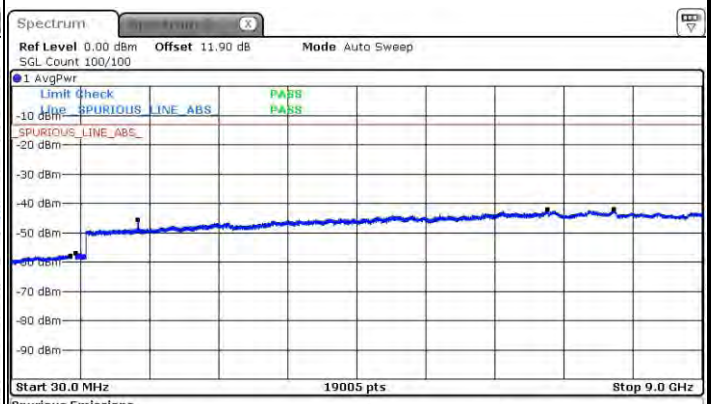


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	701.42804 MHz	-57.65 dBm	-44.65 dB
860.000 MHz	1.000 GHz	100.000 kHz	960.34965 MHz	-56.78 dBm	-43.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-45.63 dBm	-32.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-42.39 dBm	-29.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86153 GHz	-42.07 dBm	-29.07 dB

Date: 19.MAY.2015 09:32:42

Middle Channel / 16QAM

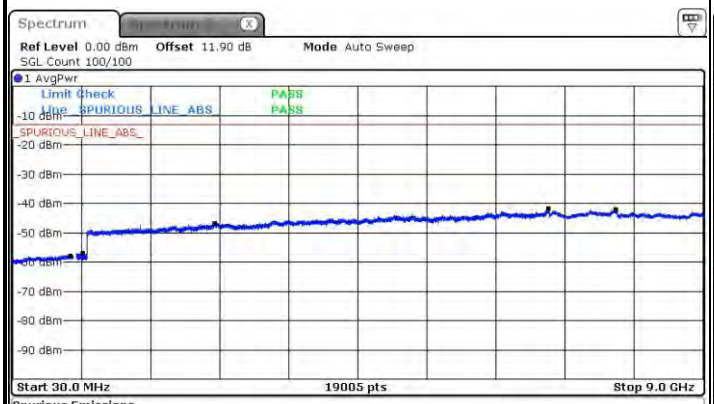


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	787.73488 MHz	-57.82 dBm	-44.82 dB
860.000 MHz	1.000 GHz	100.000 kHz	862.58741 MHz	-56.97 dBm	-43.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-45.63 dBm	-32.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-42.14 dBm	-29.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85054 GHz	-42.22 dBm	-29.22 dB

Date: 19.MAY.2015 09:33:52

Highest Channel / QPSK

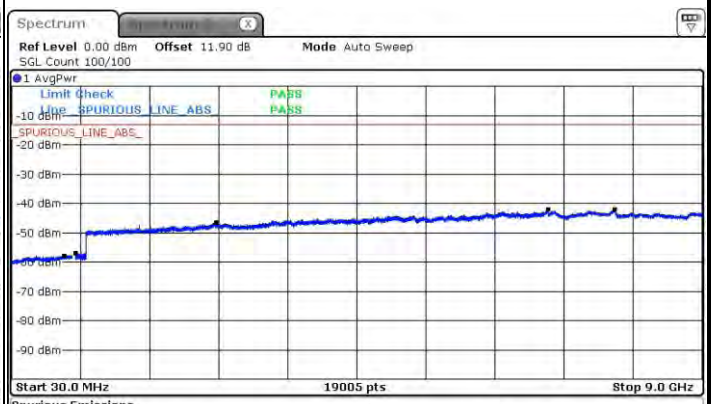


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	784.20415 MHz	-57.80 dBm	-44.80 dB
860.000 MHz	1.000 GHz	100.000 kHz	937.97203 MHz	-57.01 dBm	-44.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.65834 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-41.82 dBm	-28.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86503 GHz	-42.11 dBm	-29.11 dB

Date: 19.MAY.2015 09:40:28

Highest Channel / 16QAM



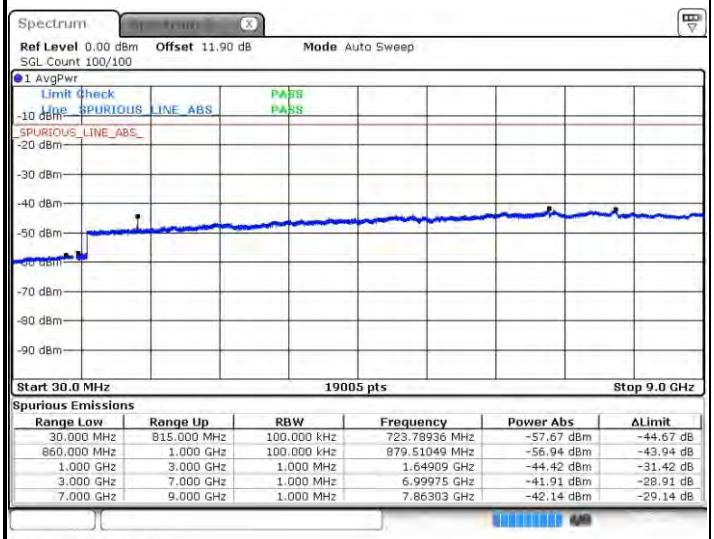
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	715.55097 MHz	-57.81 dBm	-44.81 dB
860.000 MHz	1.000 GHz	100.000 kHz	862.30769 MHz	-56.87 dBm	-43.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.68433 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-42.06 dBm	-29.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86553 GHz	-42.10 dBm	-29.10 dB

Date: 19.MAY.2015 09:41:38

LTE Band 5 / 5MHz

Lowest Channel / QPSK

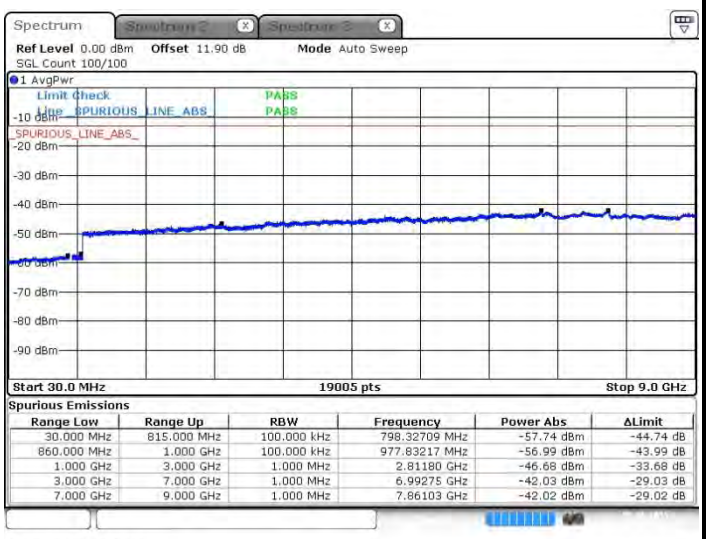


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	723.78936 MHz	-57.67 dBm	-44.67 dB
860.000 MHz	1.000 GHz	100.000 kHz	879.51049 MHz	-56.94 dBm	-43.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-44.42 dBm	-31.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-41.91 dBm	-28.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86303 GHz	-42.14 dBm	-29.14 dB

Date: 19.MAY.2015 09:48:18

Lowest Channel / 16QAM

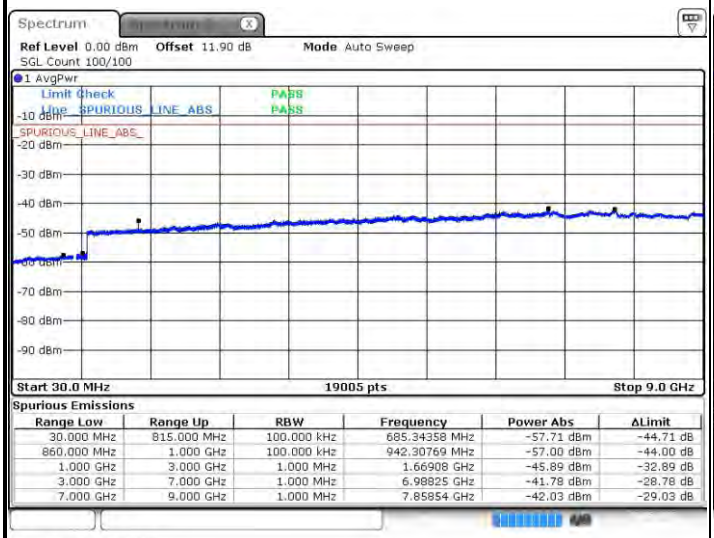


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	798.32709 MHz	-57.74 dBm	-44.74 dB
860.000 MHz	1.000 GHz	100.000 kHz	977.83217 MHz	-56.99 dBm	-43.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81180 GHz	-46.68 dBm	-33.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-42.03 dBm	-29.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-42.02 dBm	-29.02 dB

Date: 9.JUN.2015 15:12:21

Middle Channel / QPSK

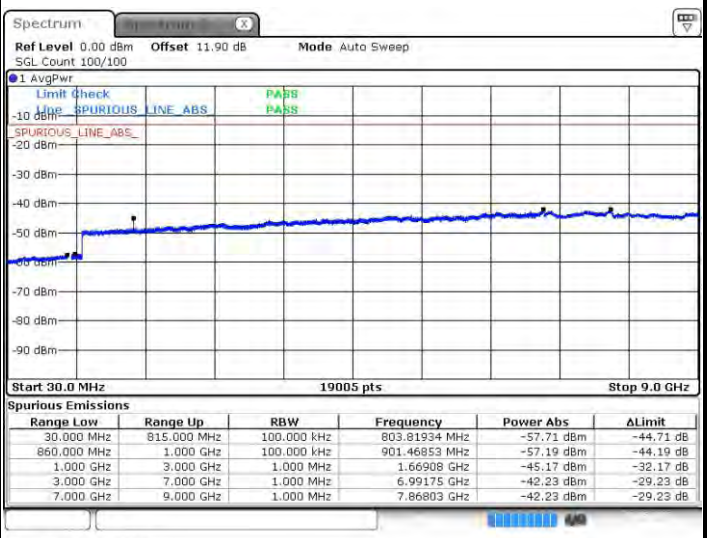


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	685.34358 MHz	-57.71 dBm	-44.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	942.30769 MHz	-57.00 dBm	-44.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-45.89 dBm	-32.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-41.78 dBm	-28.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85854 GHz	-42.03 dBm	-29.03 dB

Date: 19.MAY.2015 09:51:25

Middle Channel / 16QAM



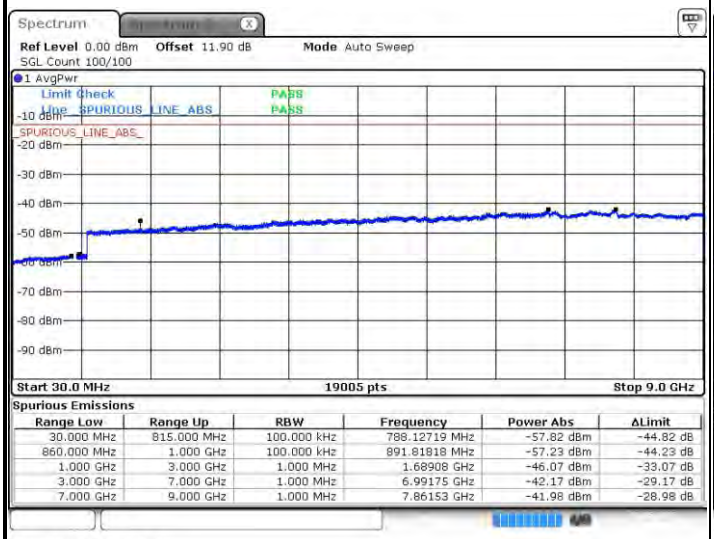
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.81934 MHz	-57.71 dBm	-44.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	901.46853 MHz	-57.19 dBm	-44.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-45.17 dBm	-32.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.23 dBm	-29.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86803 GHz	-42.23 dBm	-29.23 dB

Date: 19.MAY.2015 09:52:35

LTE Band 5 / 5MHz

Highest Channel / QPSK

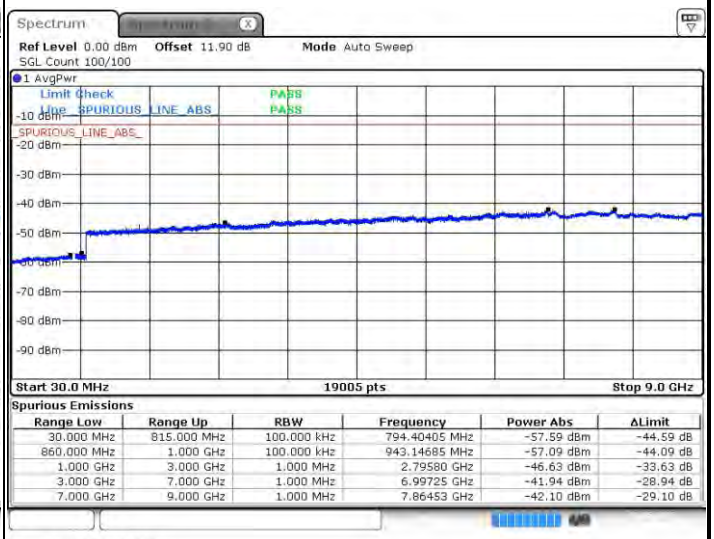


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	788.12719 MHz	-57.82 dBm	-44.82 dB
860.000 MHz	1.000 GHz	100.000 kHz	891.81818 MHz	-57.23 dBm	-44.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-46.07 dBm	-33.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.17 dBm	-29.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86153 GHz	-41.98 dBm	-28.98 dB

Date: 19.MAY.2015 09:59:10

Highest Channel / 16QAM



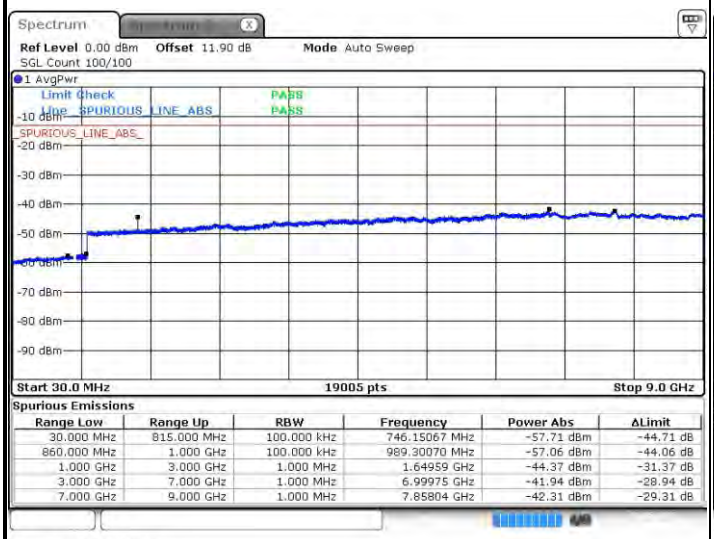
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	794.40405 MHz	-57.59 dBm	-44.59 dB
860.000 MHz	1.000 GHz	100.000 kHz	943.14685 MHz	-57.09 dBm	-44.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.79580 GHz	-46.63 dBm	-33.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-41.94 dBm	-28.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86453 GHz	-42.10 dBm	-29.10 dB

Date: 19.MAY.2015 10:00:20

LTE Band 5 / 10MHz

Lowest Channel / QPSK

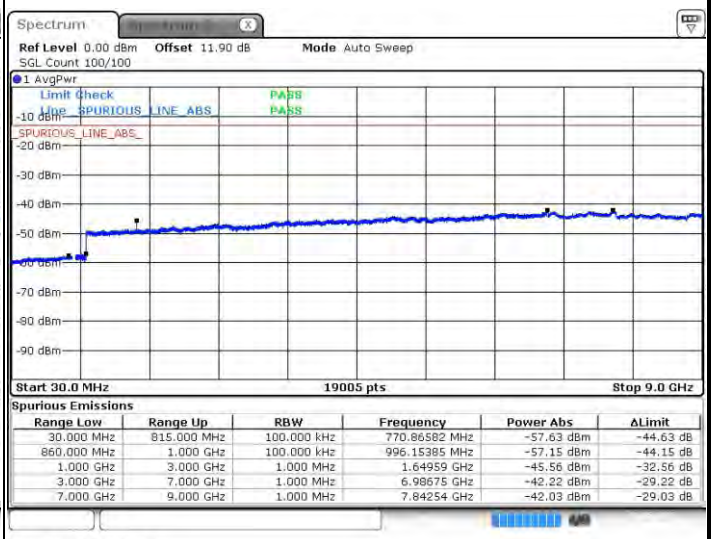


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	746.15067 MHz	-57.71 dBm	-44.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.30070 MHz	-57.06 dBm	-44.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-44.37 dBm	-31.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-41.94 dBm	-28.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85804 GHz	-42.31 dBm	-29.31 dB

Date: 19.MAY.2015 10:07:00

Lowest Channel / 16QAM



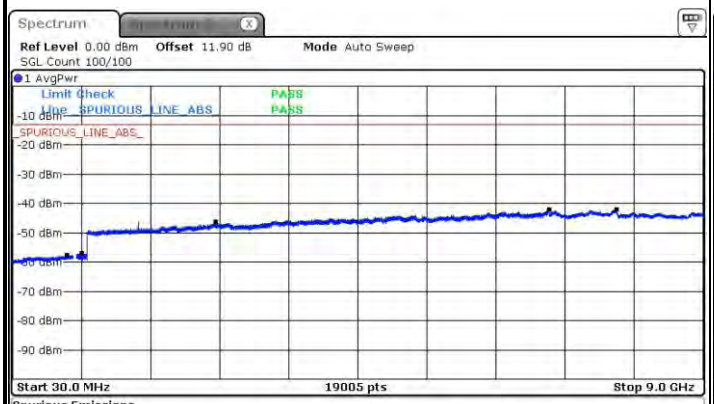
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	770.86582 MHz	-57.63 dBm	-44.63 dB
860.000 MHz	1.000 GHz	100.000 kHz	996.15385 MHz	-57.15 dBm	-44.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-45.56 dBm	-32.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-42.22 dBm	-29.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.84254 GHz	-42.03 dBm	-29.03 dB

Date: 19.MAY.2015 10:08:10

LTE Band 5 / 10MHz

Middle Channel / QPSK

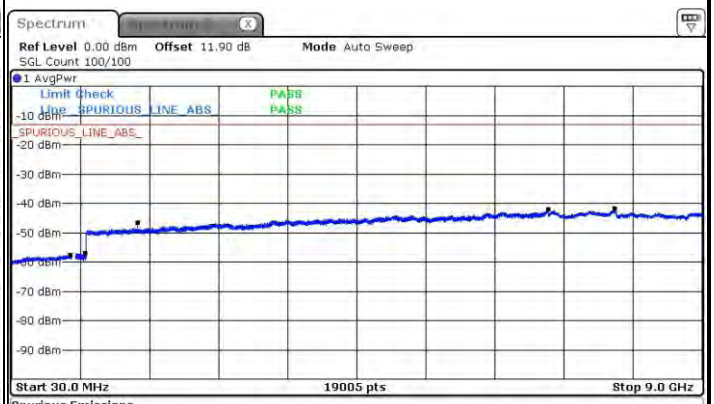


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	735.95077 MHz	-57.75 dBm	-44.75 dB
860.000 MHz	1.000 GHz	100.000 kHz	921.60839 MHz	-57.07 dBm	-44.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.66633 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-42.21 dBm	-29.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.87103 GHz	-42.13 dBm	-29.13 dB

Date: 19.MAY.2015 10:10:06

Middle Channel / 16QAM

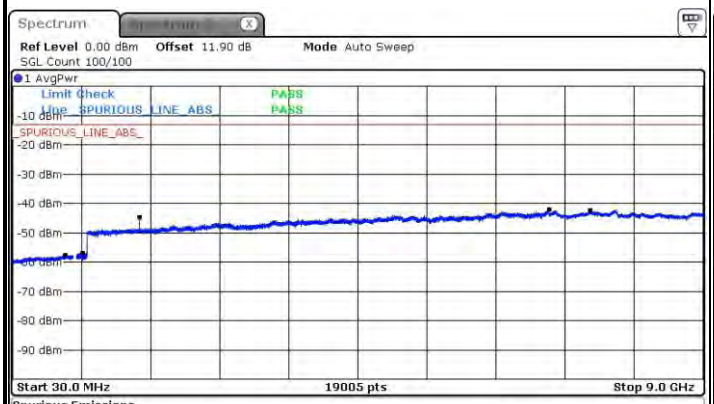


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	793.22714 MHz	-57.65 dBm	-44.65 dB
860.000 MHz	1.000 GHz	100.000 kHz	981.88811 MHz	-57.04 dBm	-44.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-46.47 dBm	-33.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86803 GHz	-41.75 dBm	-28.75 dB

Date: 19.MAY.2015 10:11:16

Highest Channel / QPSK

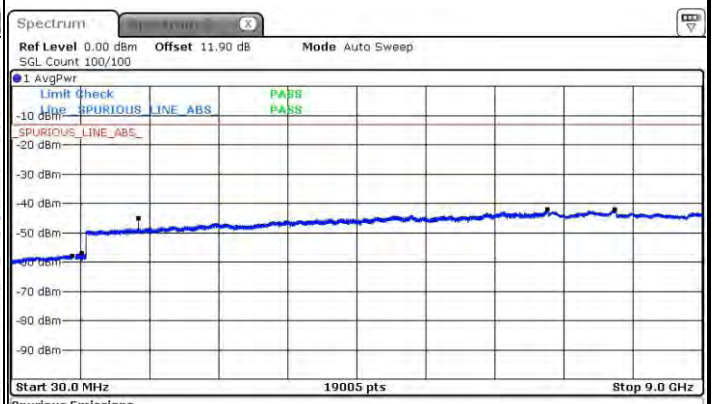


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	713.19715 MHz	-57.68 dBm	-44.68 dB
860.000 MHz	1.000 GHz	100.000 kHz	941.60839 MHz	-56.99 dBm	-43.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-44.83 dBm	-31.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-42.08 dBm	-29.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53562 GHz	-42.30 dBm	-29.30 dB

Date: 19.MAY.2015 10:17:53

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.84233 MHz	-57.84 dBm	-44.84 dB
860.000 MHz	1.000 GHz	100.000 kHz	935.59441 MHz	-56.98 dBm	-43.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-45.13 dBm	-32.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-42.12 dBm	-29.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-42.12 dBm	-29.12 dB

Date: 19.MAY.2015 10:19:03

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	0.0004	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0039	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 3.9V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.35V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

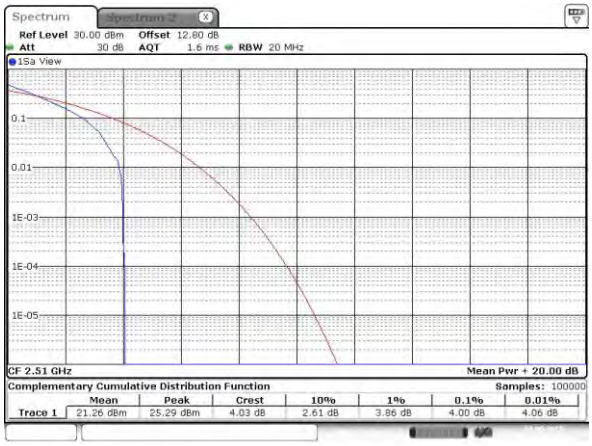
LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4	4.58	4.61	5.59	PASS
Middle CH	3.86	4.7	4.61	5.62	
Highest CH	3.86	4.49	4.67	5.42	

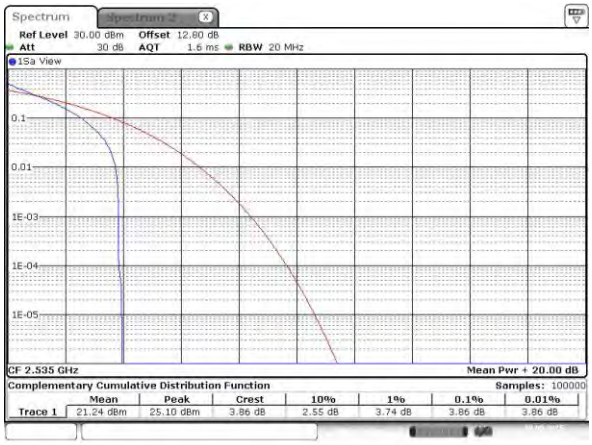
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB

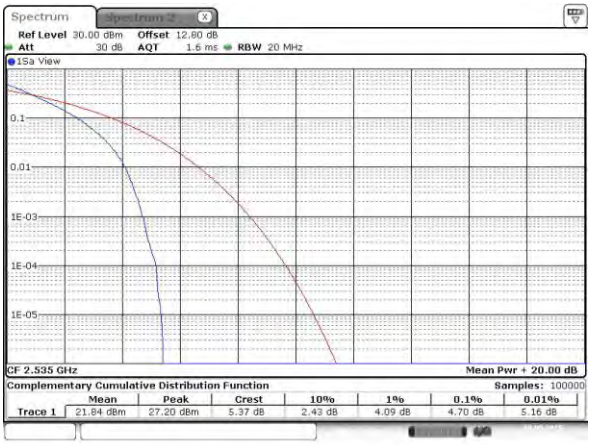


Lowest Channel / Full RB

Middle Channel / 1RB

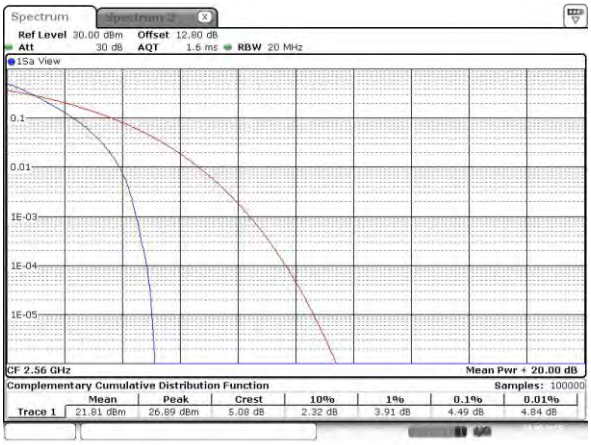


Middle Channel / Full RB



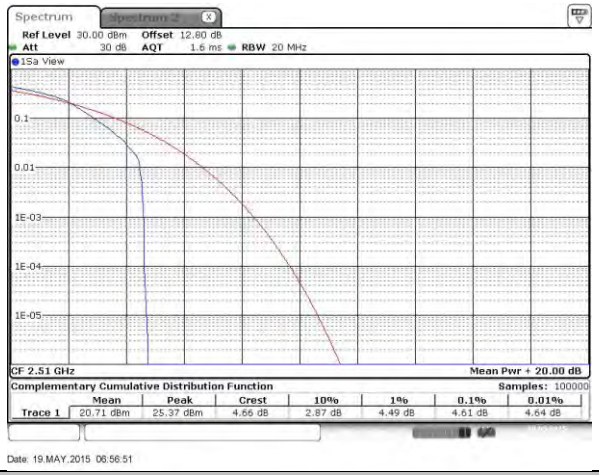
Highest Channel / 1RB

Highest Channel / Full RB

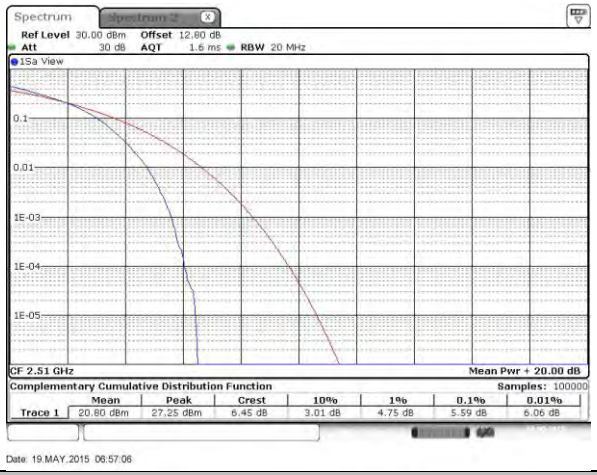


LTE Band 7 / 20MHz / 16QAM

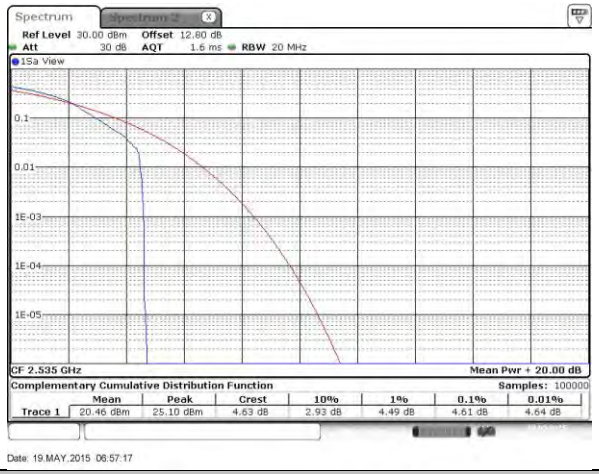
Lowest Channel / 1RB



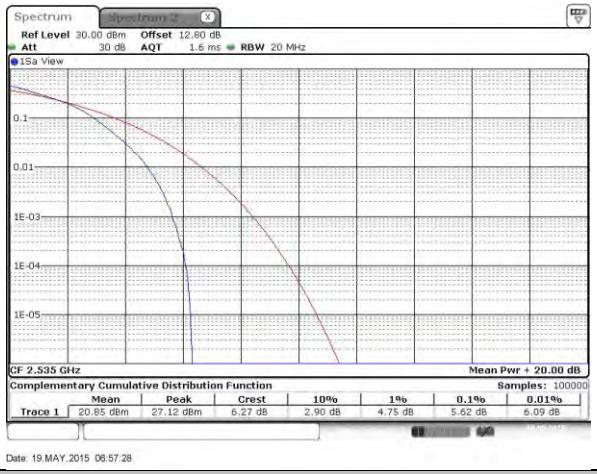
Lowest Channel / Full RB



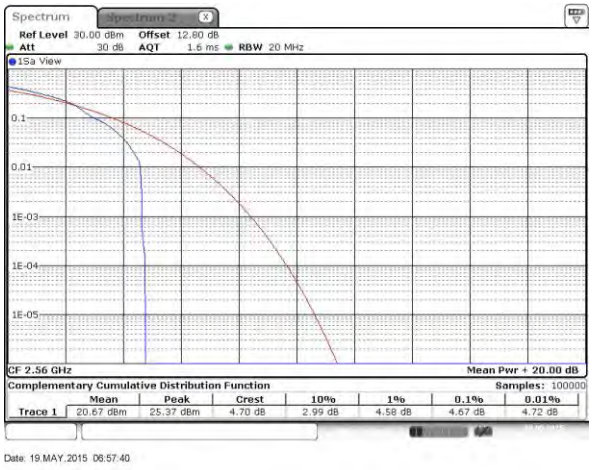
Middle Channel / 1RB



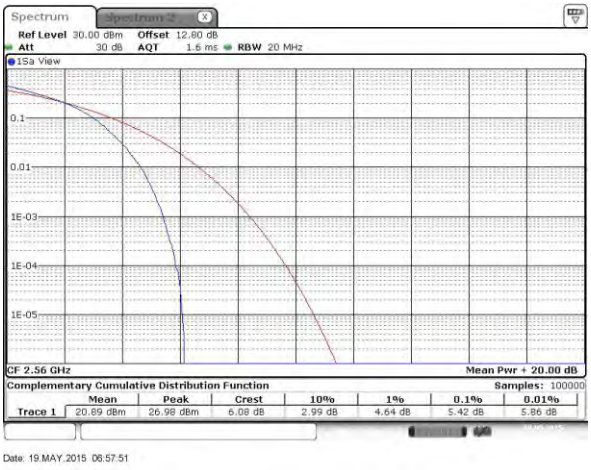
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

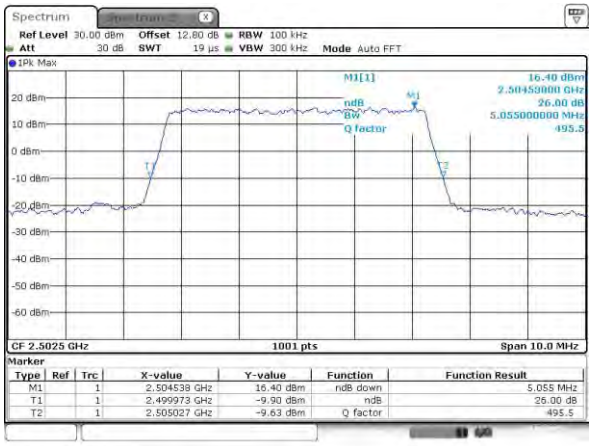


26dB Bandwidth

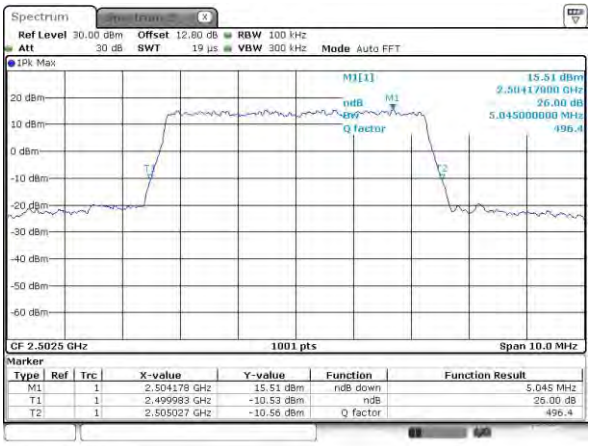
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.06	5.05	10.15	9.99	14.63	14.81	20.3	20.46
Middle CH	-	-	-	-	5.07	5.06	10.03	9.97	14.75	14.81	20.5	20.54
Highest CH	-	-	-	-	5.07	5.06	9.99	10.05	14.66	14.63	20.42	20.62

LTE Band 7

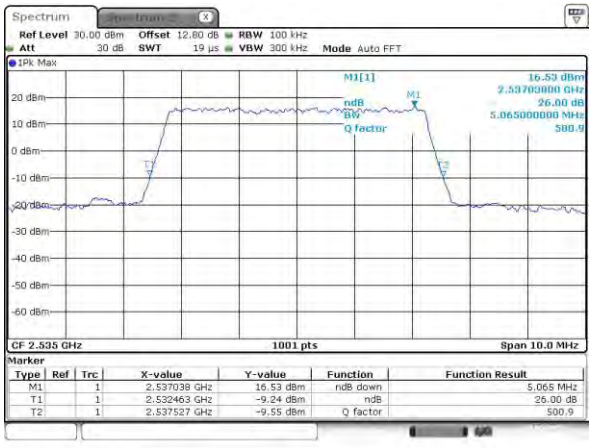
Lowest Channel / 5MHz / QPSK



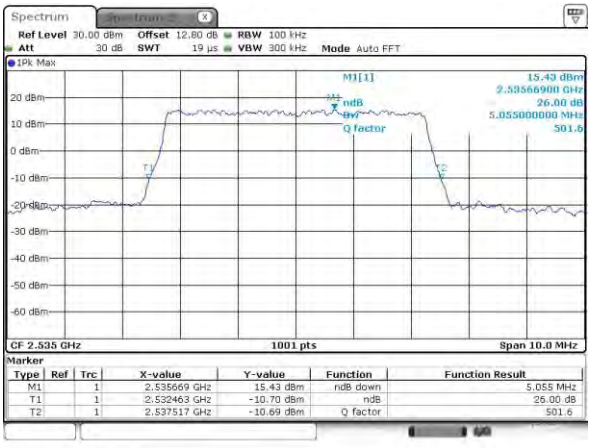
Lowest Channel / 5MHz / 16QAM



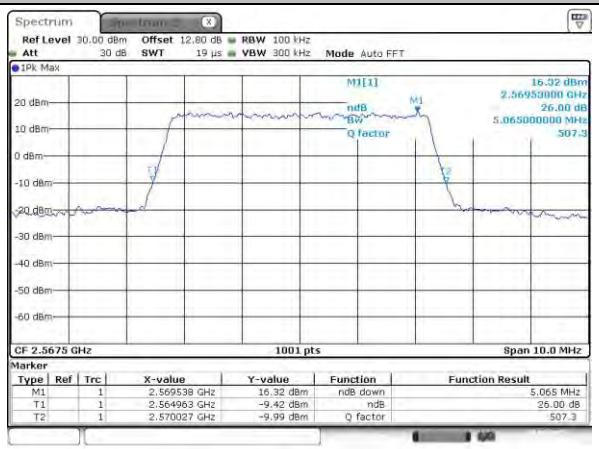
Middle Channel / 5MHz / QPSK



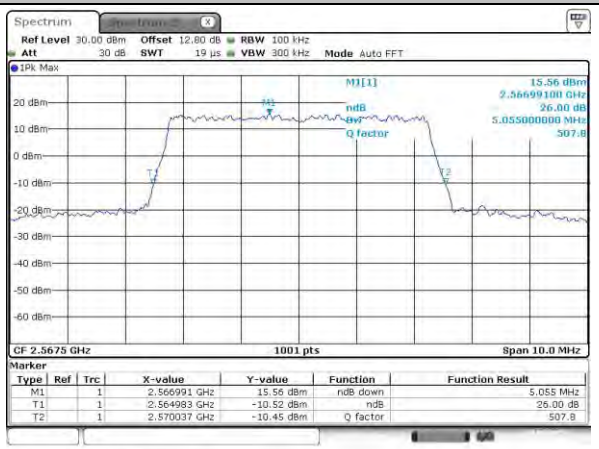
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

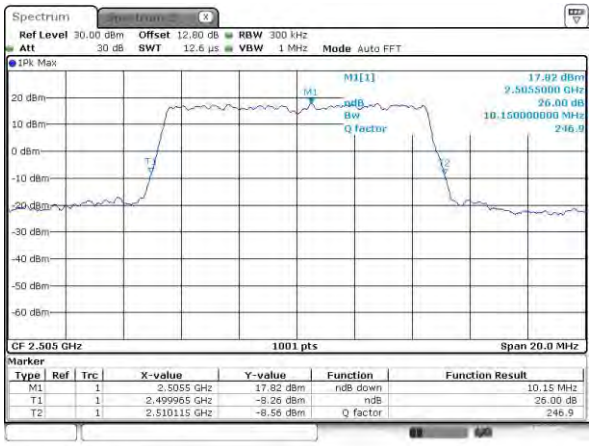


Highest Channel / 5MHz / 16QAM

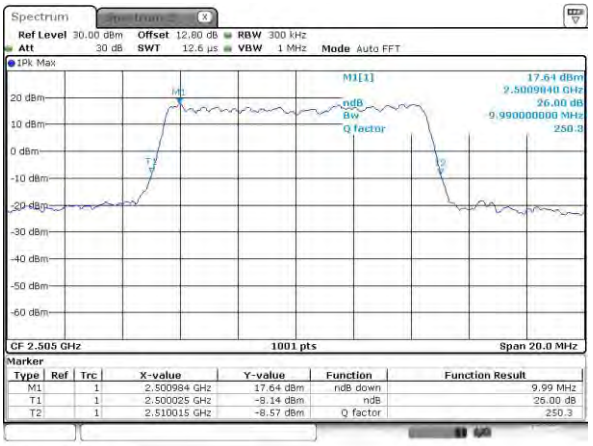


LTE Band 7

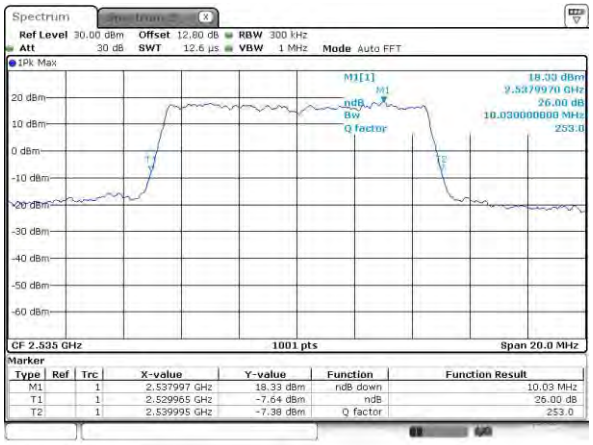
Lowest Channel / 10MHz / QPSK



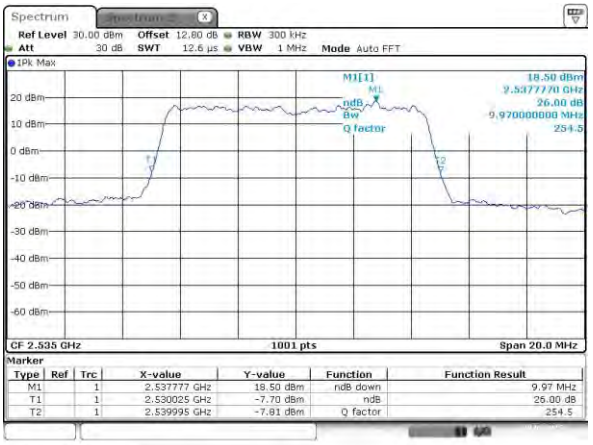
Lowest Channel / 10MHz / 16QAM



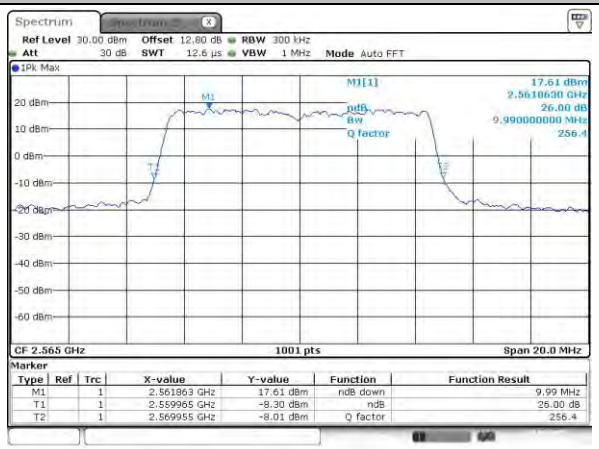
Middle Channel / 10MHz / QPSK



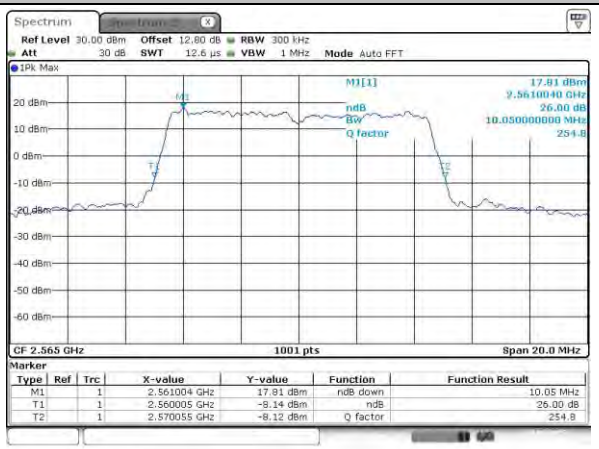
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

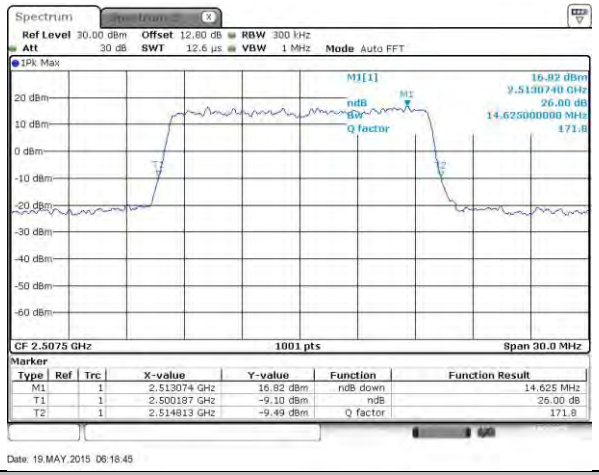


Highest Channel / 10MHz / 16QAM

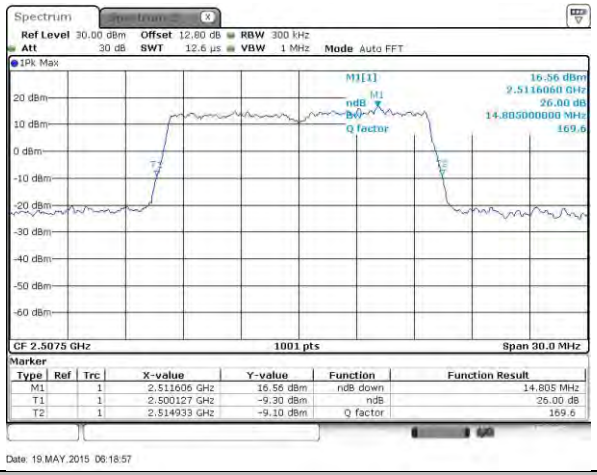


LTE Band 7

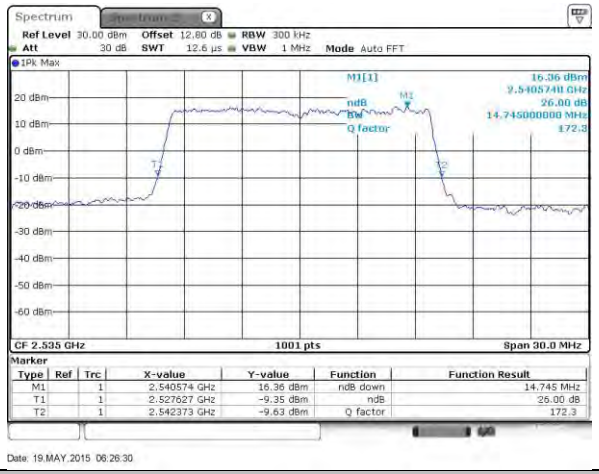
Lowest Channel / 15MHz / QPSK



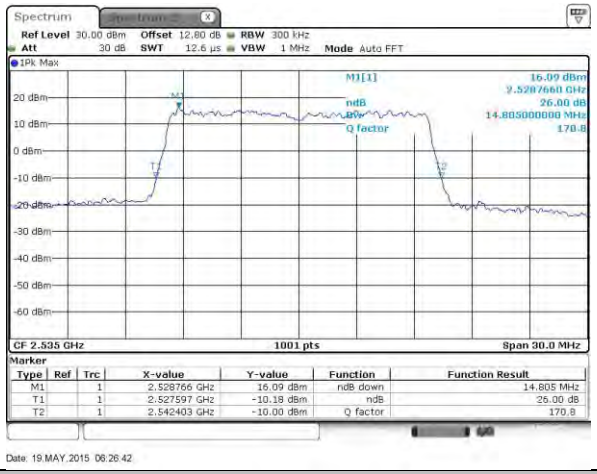
Lowest Channel / 15MHz / 16QAM



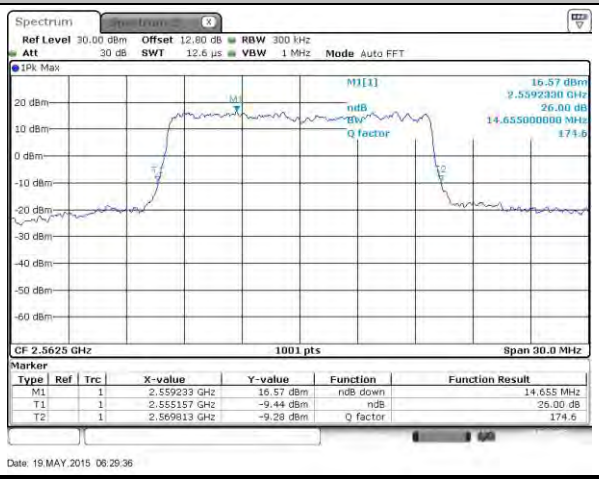
Middle Channel / 15MHz / QPSK



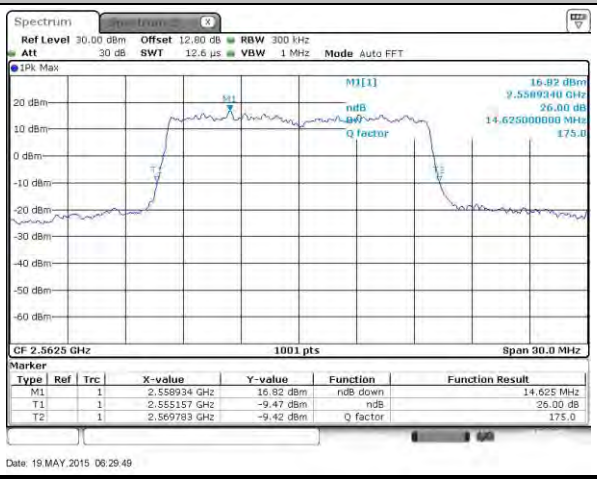
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

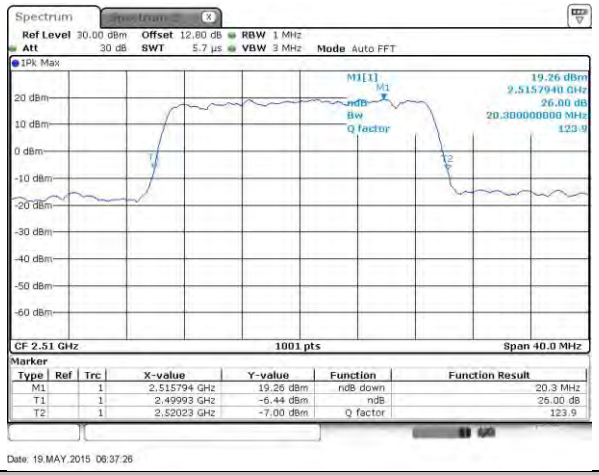


Highest Channel / 15MHz / 16QAM

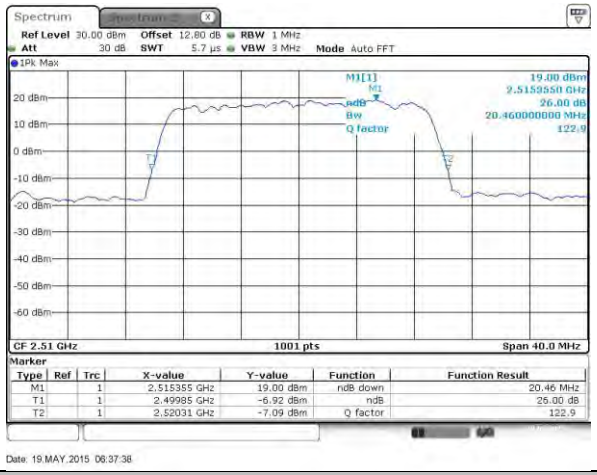


LTE Band 7

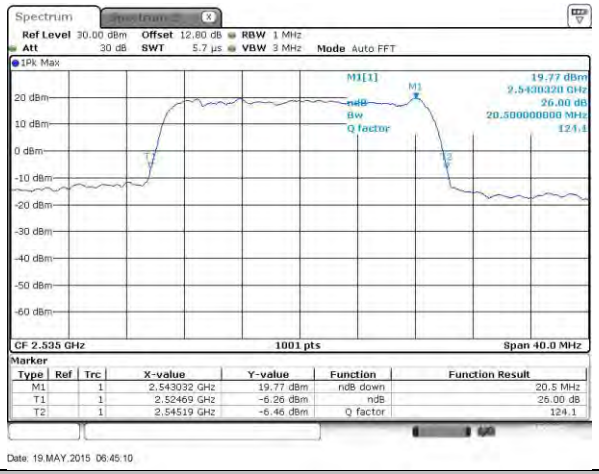
Lowest Channel / 20MHz / QPSK



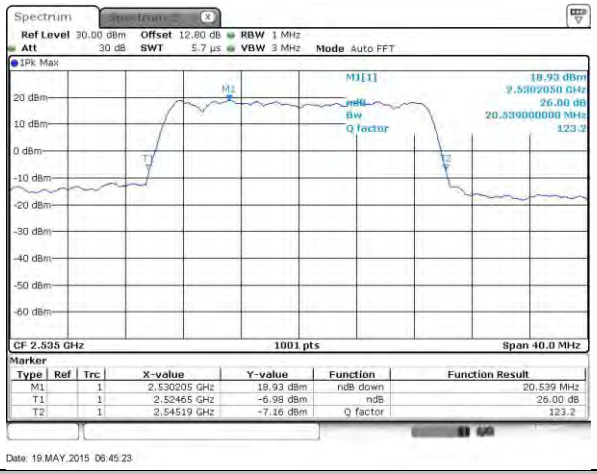
Lowest Channel / 20MHz / 16QAM



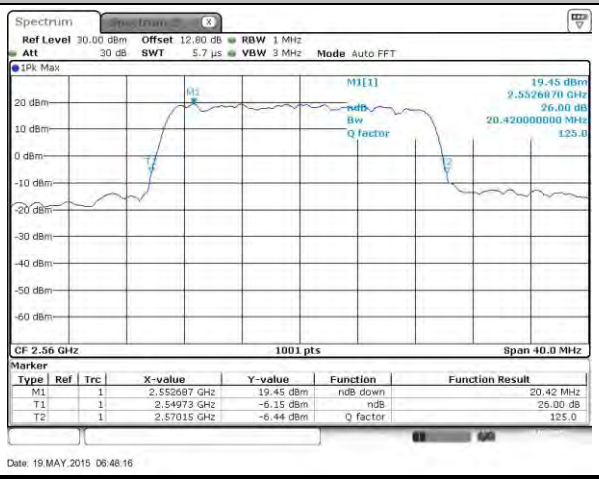
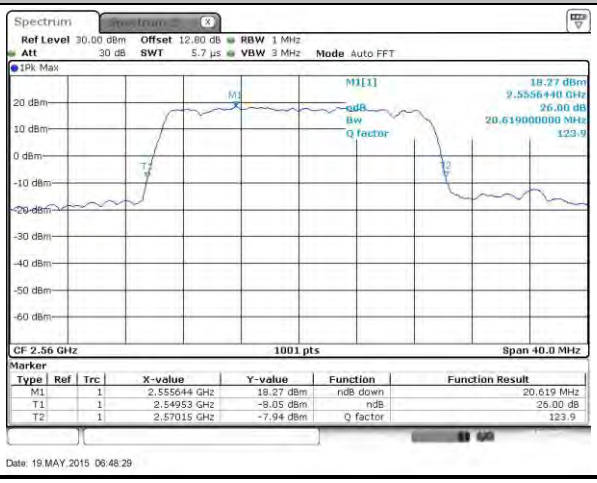
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM