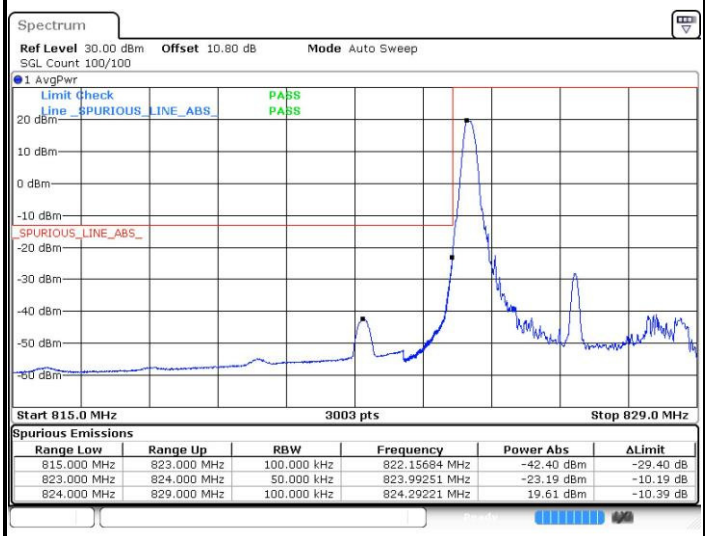
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

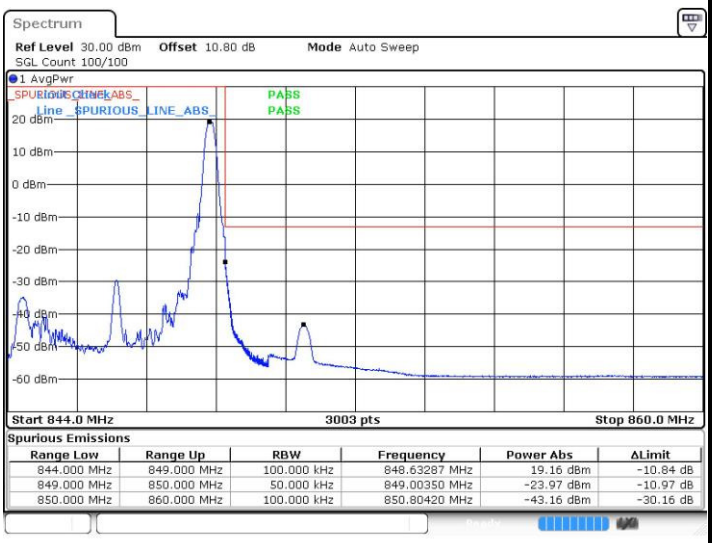


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.15684 MHz	-42.40 dBm	-29.40 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99251 MHz	-23.19 dBm	-10.19 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.29221 MHz	19.61 dBm	-10.39 dB

Date: 17.FEB.2017 14:05:22

Highest Band Edge / 1 RB

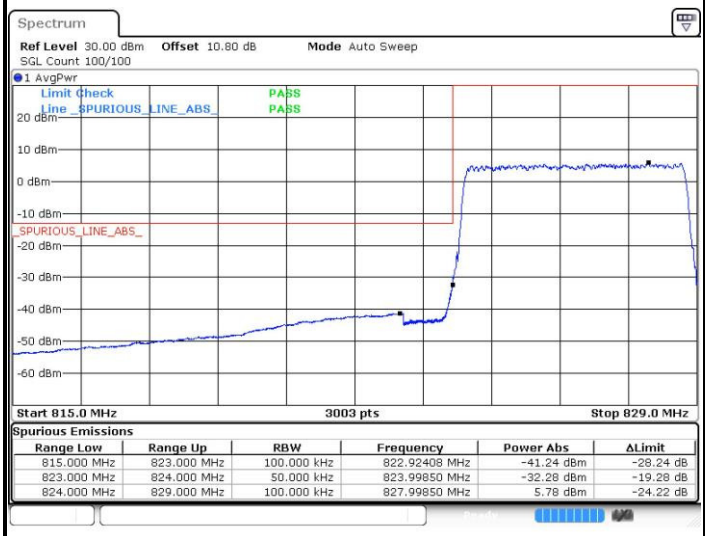


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.63287 MHz	19.16 dBm	-10.84 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00350 MHz	-23.97 dBm	-10.97 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.80420 MHz	-43.16 dBm	-30.16 dB

Date: 17.FEB.2017 14:16:59

Lowest Band Edge / Full RB

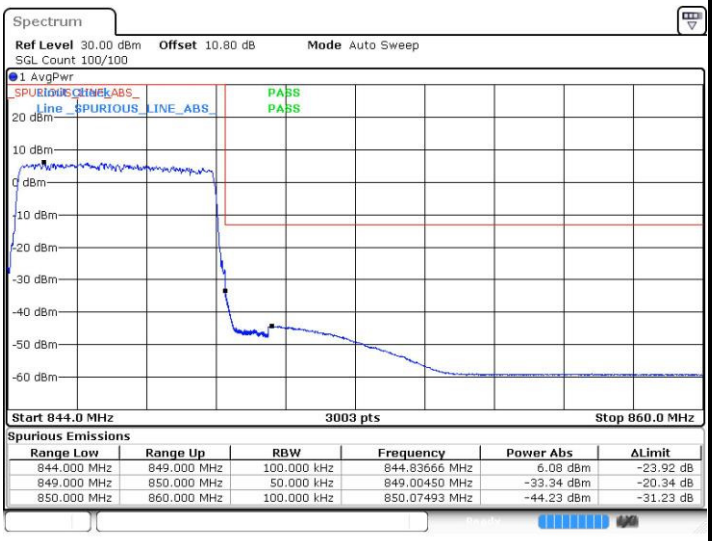


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-41.24 dBm	-28.24 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99850 MHz	-32.28 dBm	-19.28 dB
824.000 MHz	829.000 MHz	100.000 kHz	827.99850 MHz	5.78 dBm	-24.22 dB

Date: 17.FEB.2017 14:08:40

Highest Band Edge / Full RB



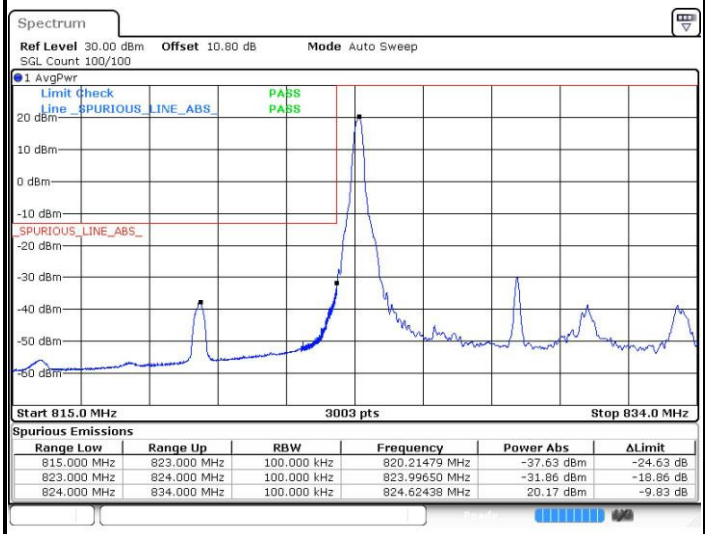
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.83666 MHz	6.08 dBm	-23.92 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00450 MHz	-33.34 dBm	-20.34 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.07493 MHz	-44.23 dBm	-31.23 dB

Date: 17.FEB.2017 14:20:17

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

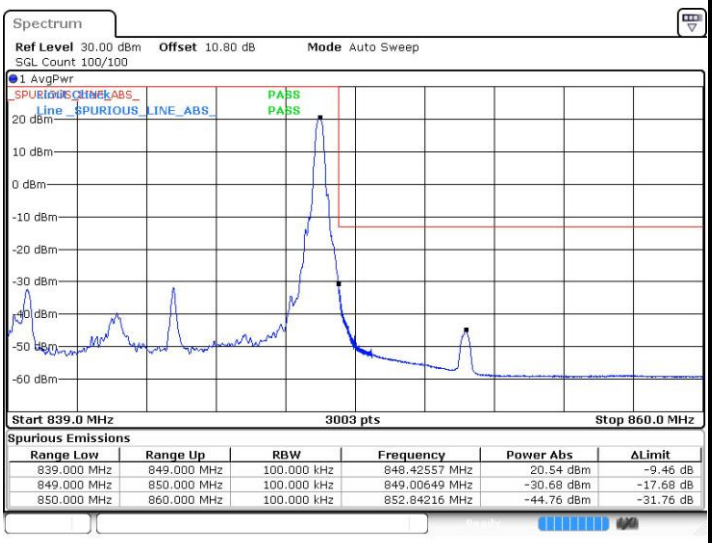


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.21479 MHz	-37.63 dBm	-24.63 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99650 MHz	-31.86 dBm	-18.86 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.62438 MHz	20.17 dBm	-9.83 dB

Date: 17.FEB.2017 14:24:26

Highest Band Edge / 1 RB

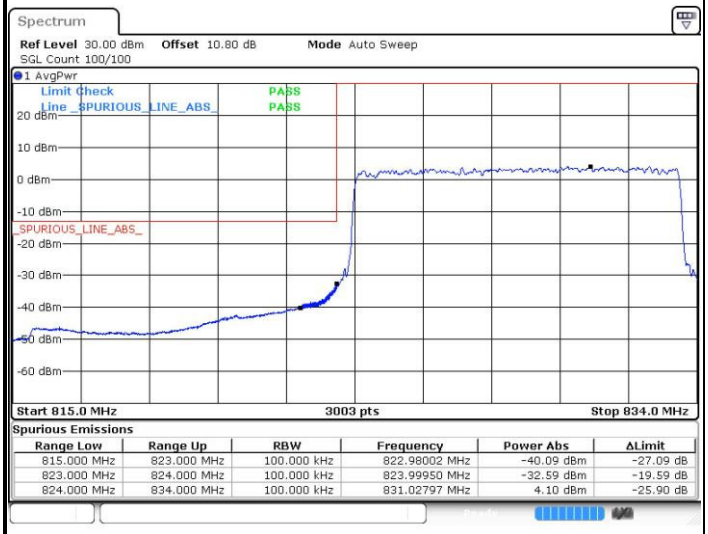


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.42557 MHz	20.54 dBm	-9.46 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00649 MHz	-30.68 dBm	-17.68 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.84216 MHz	-44.76 dBm	-31.76 dB

Date: 17.FEB.2017 14:36:01

Lowest Band Edge / Full RB

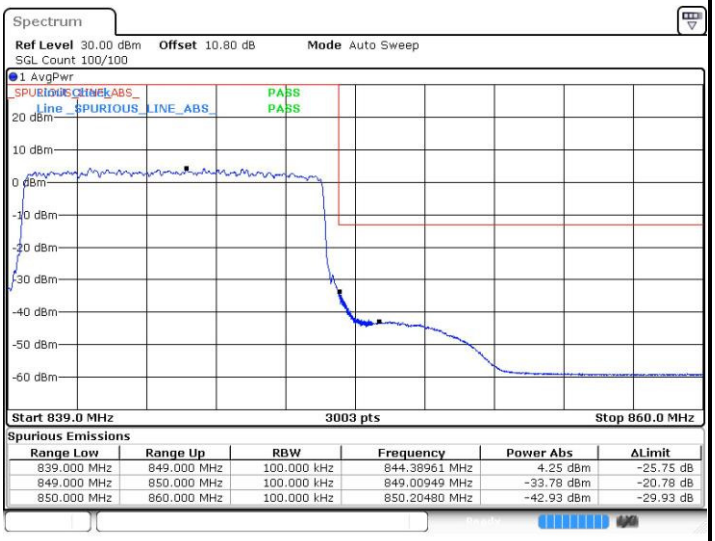


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-40.09 dBm	-27.09 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99950 MHz	-32.59 dBm	-19.59 dB
824.000 MHz	834.000 MHz	100.000 kHz	831.02797 MHz	4.10 dBm	-25.90 dB

Date: 17.FEB.2017 14:27:44

Highest Band Edge / Full RB



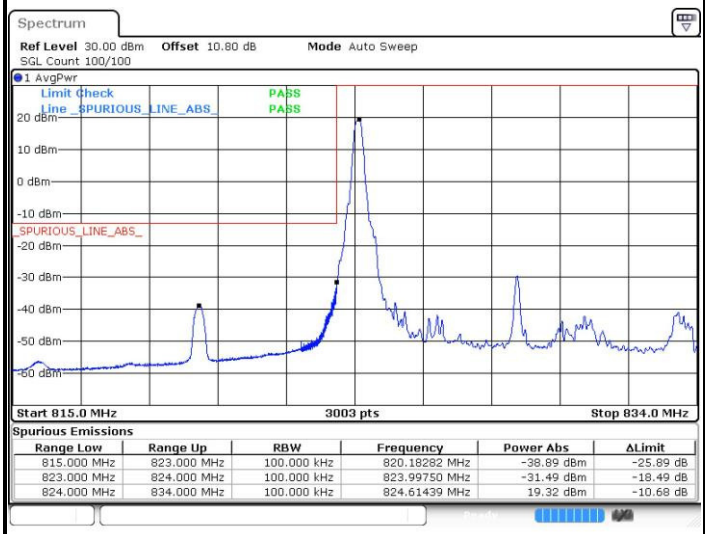
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	844.38961 MHz	4.25 dBm	-25.75 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00949 MHz	-33.78 dBm	-20.78 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.20480 MHz	-42.93 dBm	-29.93 dB

Date: 17.FEB.2017 14:39:19

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

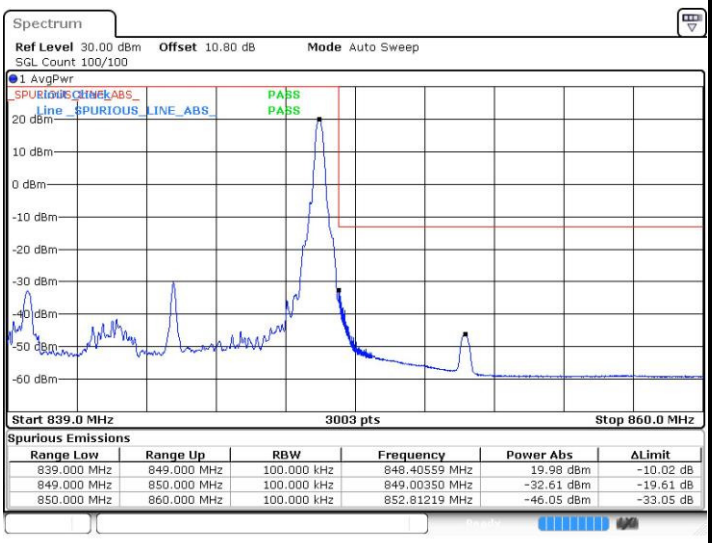


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.18282 MHz	-38.89 dBm	-25.89 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99750 MHz	-31.49 dBm	-18.49 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.61439 MHz	19.32 dBm	-10.68 dB

Date: 17.FEB.2017 14:26:05

Highest Band Edge / 1 RB

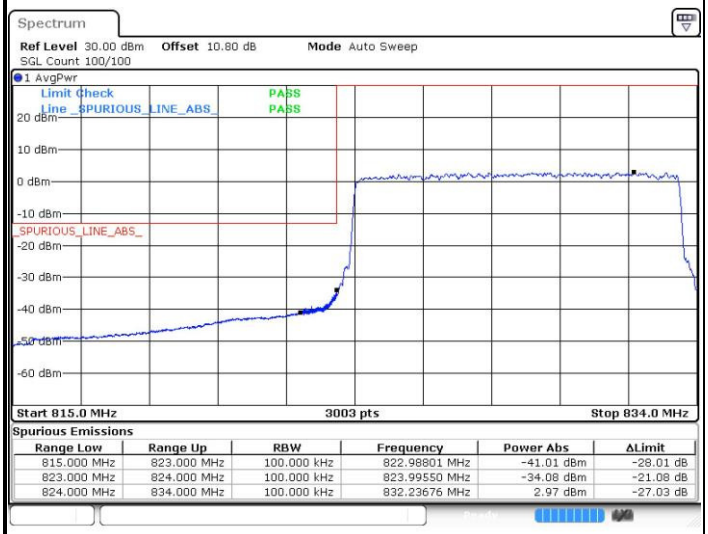


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.40559 MHz	19.98 dBm	-10.02 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00350 MHz	-32.61 dBm	-19.61 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.81219 MHz	-46.05 dBm	-33.05 dB

Date: 17.FEB.2017 14:37:39

Lowest Band Edge / Full RB

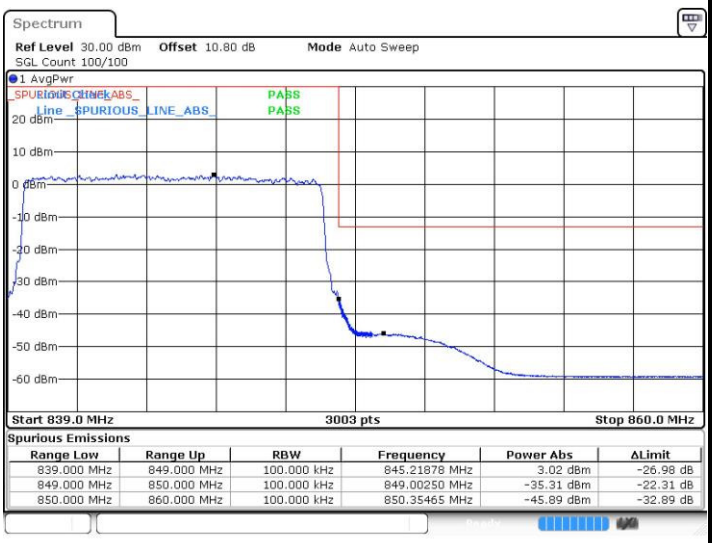


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-41.01 dBm	-28.01 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99550 MHz	-34.08 dBm	-21.08 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.23676 MHz	2.97 dBm	-27.03 dB

Date: 17.FEB.2017 14:29:23

Highest Band Edge / Full RB



Spurious Emissions

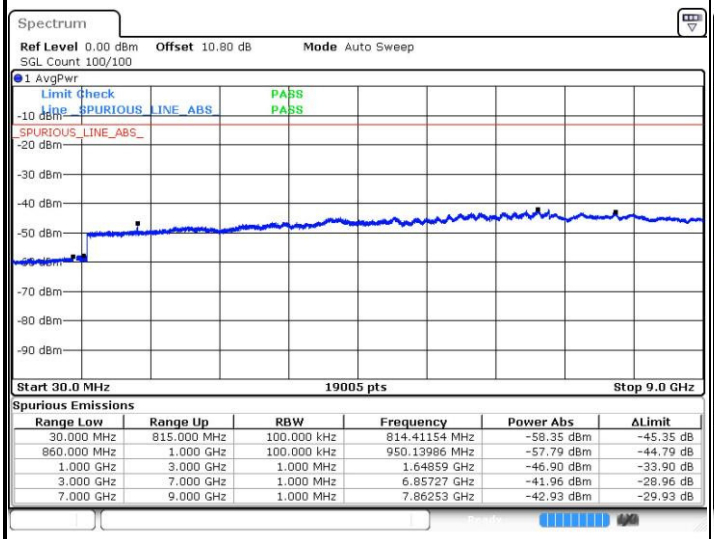
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	845.21878 MHz	3.02 dBm	-26.98 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00250 MHz	-35.31 dBm	-22.31 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.35465 MHz	-45.89 dBm	-32.89 dB

Date: 17.FEB.2017 14:40:57

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

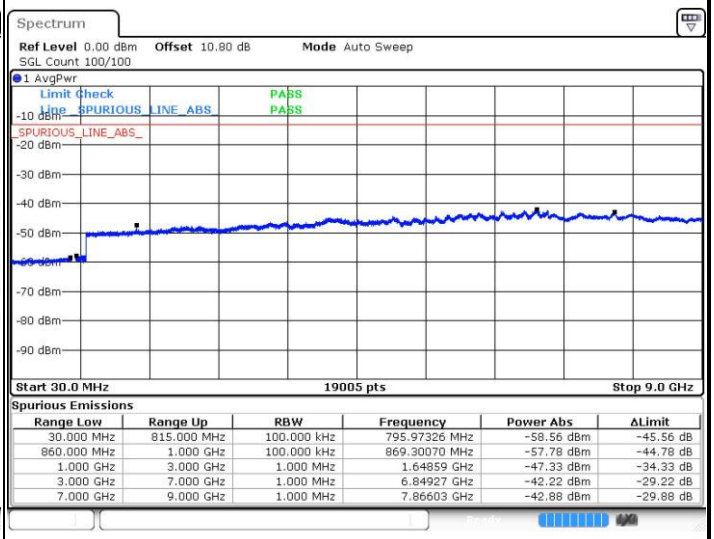


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-58.35 dBm	-45.35 dB
860.000 MHz	1.000 GHz	100.000 kHz	950.13986 MHz	-57.79 dBm	-44.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-46.90 dBm	-33.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85727 GHz	-41.96 dBm	-28.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86253 GHz	-42.93 dBm	-29.93 dB

Date: 17.FEB.2017 16:30:01

Lowest Channel / 16QAM

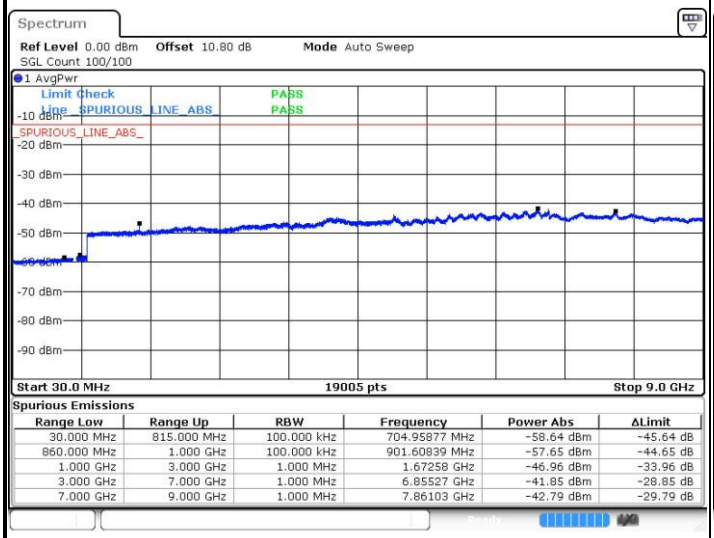


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	795.97326 MHz	-58.56 dBm	-45.56 dB
860.000 MHz	1.000 GHz	100.000 kHz	869.30070 MHz	-57.78 dBm	-44.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-47.33 dBm	-34.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84927 GHz	-42.22 dBm	-29.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86603 GHz	-42.88 dBm	-29.88 dB

Date: 17.FEB.2017 16:30:55

Middle Channel / QPSK

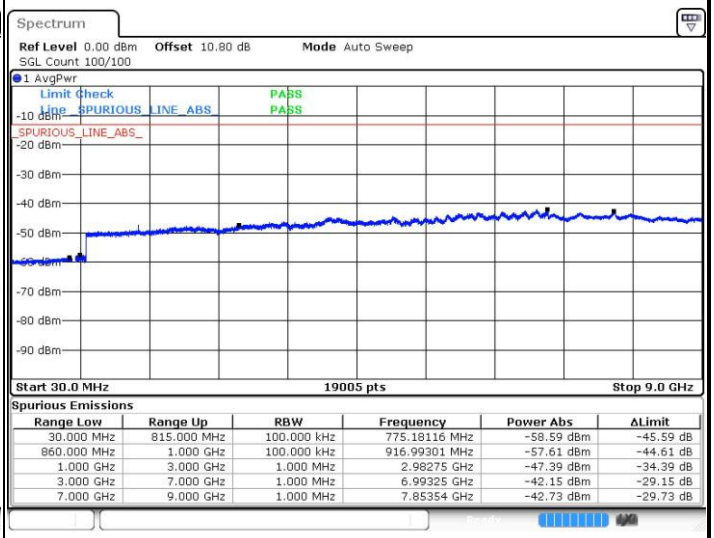


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	704.95877 MHz	-58.64 dBm	-45.64 dB
860.000 MHz	1.000 GHz	100.000 kHz	901.60839 MHz	-57.65 dBm	-44.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-46.96 dBm	-33.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85527 GHz	-41.85 dBm	-28.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-42.79 dBm	-29.79 dB

Date: 17.FEB.2017 16:32:31

Middle Channel / 16QAM



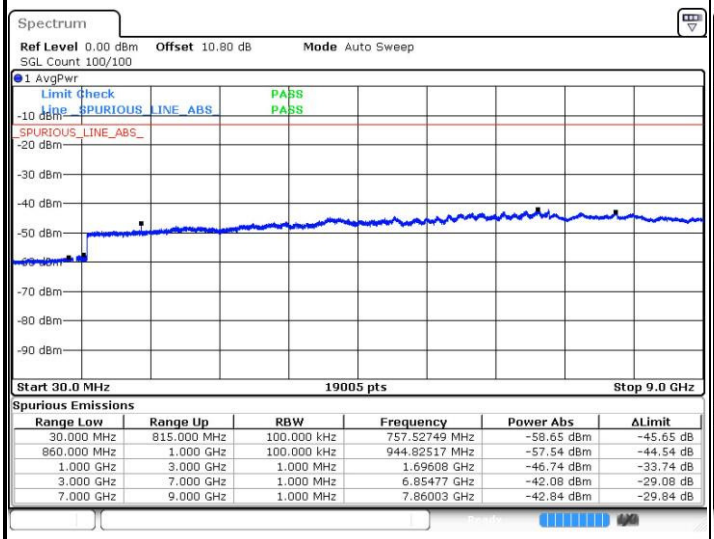
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	775.18116 MHz	-58.59 dBm	-45.59 dB
860.000 MHz	1.000 GHz	100.000 kHz	916.99301 MHz	-57.61 dBm	-44.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98275 GHz	-47.39 dBm	-34.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-42.15 dBm	-29.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85354 GHz	-42.73 dBm	-29.73 dB

Date: 17.FEB.2017 16:33:25

LTE Band 5 / 1.4MHz

Highest Channel / QPSK

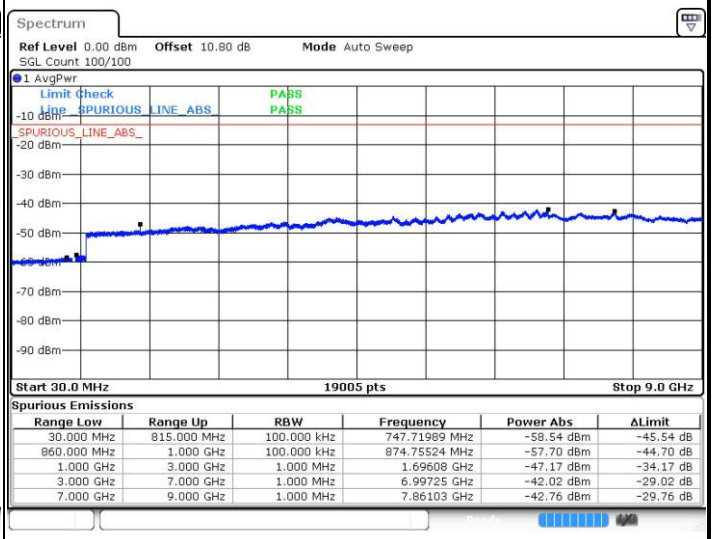


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	757.52749 MHz	-58.65 dBm	-45.65 dB
860.000 MHz	1.000 GHz	100.000 kHz	944.82517 MHz	-57.54 dBm	-44.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-46.74 dBm	-33.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85477 GHz	-42.08 dBm	-29.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86003 GHz	-42.84 dBm	-29.84 dB

Date: 17.FEB.2017 16:46:19

Highest Channel / 16QAM



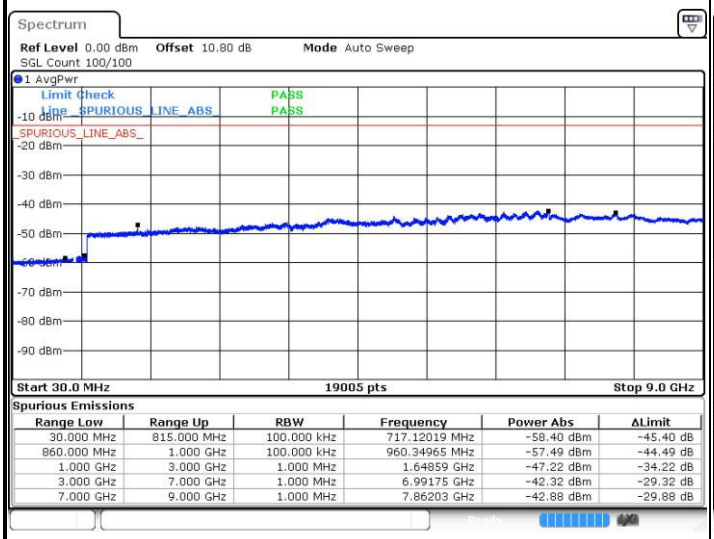
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	747.71989 MHz	-58.54 dBm	-45.54 dB
860.000 MHz	1.000 GHz	100.000 kHz	874.75524 MHz	-57.70 dBm	-44.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-47.17 dBm	-34.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-42.02 dBm	-29.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-42.76 dBm	-29.76 dB

Date: 17.FEB.2017 16:47:14

LTE Band 5 / 3MHz

Lowest Channel / QPSK

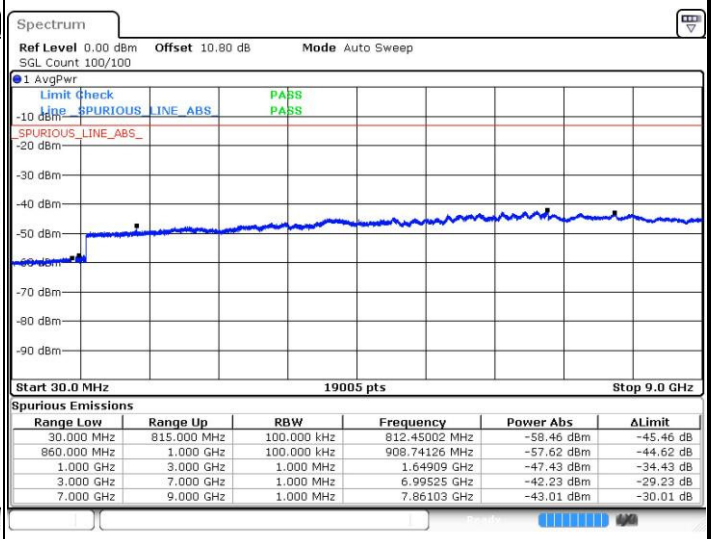


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	717.12019 MHz	-58.40 dBm	-45.40 dB
860.000 MHz	1.000 GHz	100.000 kHz	960.34965 MHz	-57.49 dBm	-44.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-47.22 dBm	-34.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.32 dBm	-29.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86203 GHz	-42.88 dBm	-29.88 dB

Date: 17.FEB.2017 13:48:53

Lowest Channel / 16QAM



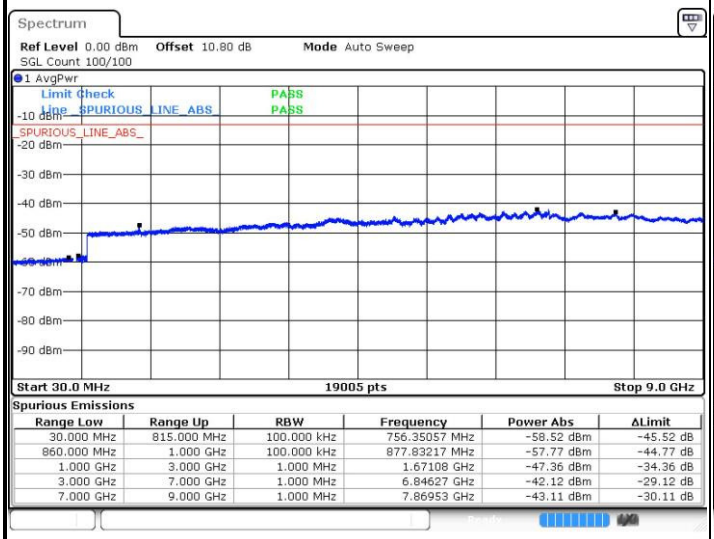
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.45002 MHz	-58.46 dBm	-45.46 dB
860.000 MHz	1.000 GHz	100.000 kHz	908.74126 MHz	-57.62 dBm	-44.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-47.43 dBm	-34.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-42.23 dBm	-29.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-43.01 dBm	-30.01 dB

Date: 17.FEB.2017 13:49:47

LTE Band 5 / 3MHz

Middle Channel / QPSK

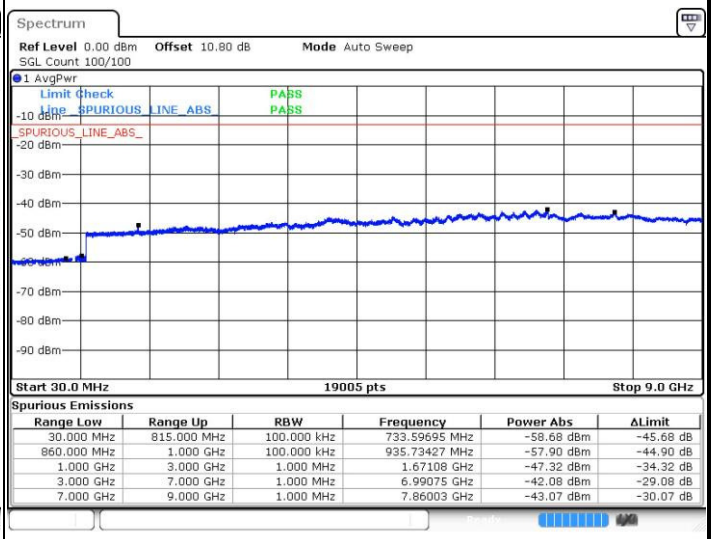


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	756.35057 MHz	-58.52 dBm	-45.52 dB
860.000 MHz	1.000 GHz	100.000 kHz	877.83217 MHz	-57.77 dBm	-44.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-47.36 dBm	-34.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84627 GHz	-42.12 dBm	-29.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86953 GHz	-43.11 dBm	-30.11 dB

Date: 17.FEB.2017 13:51:23

Middle Channel / 16QAM

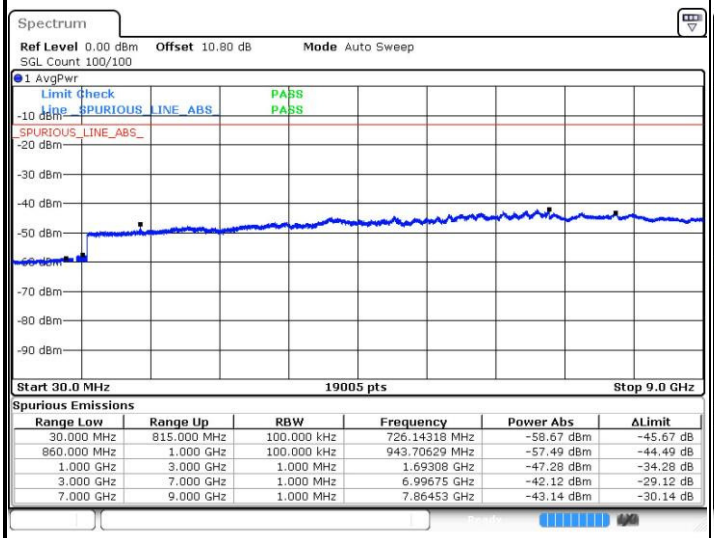


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	733.59695 MHz	-58.68 dBm	-45.68 dB
860.000 MHz	1.000 GHz	100.000 kHz	935.73427 MHz	-57.90 dBm	-44.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-42.08 dBm	-29.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86003 GHz	-43.07 dBm	-30.07 dB

Date: 17.FEB.2017 13:52:17

Highest Channel / QPSK

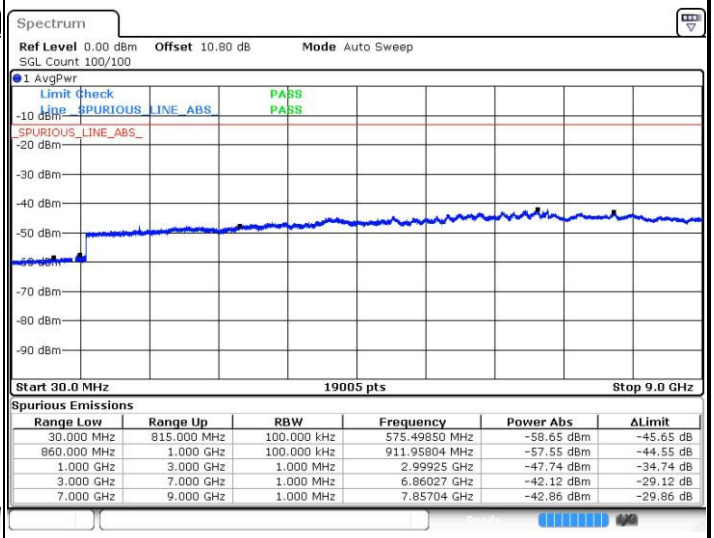


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	726.14318 MHz	-58.67 dBm	-45.67 dB
860.000 MHz	1.000 GHz	100.000 kHz	943.70629 MHz	-57.49 dBm	-44.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69308 GHz	-47.28 dBm	-34.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-42.12 dBm	-29.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86453 GHz	-43.14 dBm	-30.14 dB

Date: 17.FEB.2017 14:00:29

Highest Channel / 16QAM



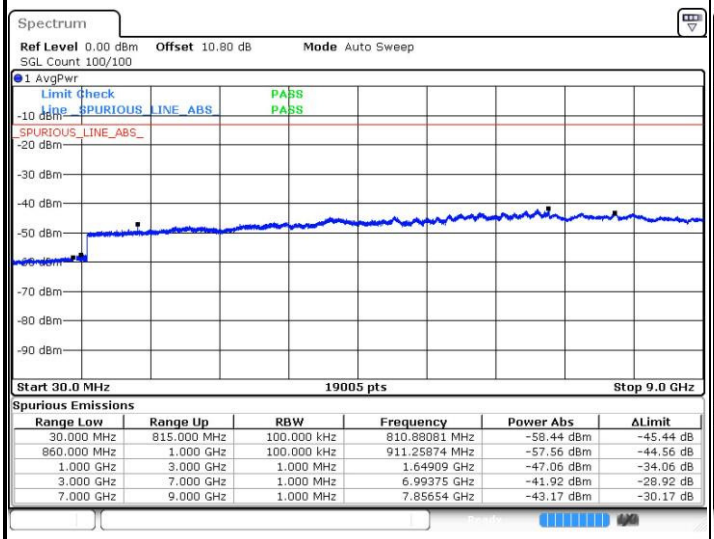
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	575.49850 MHz	-58.65 dBm	-45.65 dB
860.000 MHz	1.000 GHz	100.000 kHz	911.95804 MHz	-57.55 dBm	-44.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99925 GHz	-47.74 dBm	-34.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86027 GHz	-42.12 dBm	-29.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-42.86 dBm	-29.86 dB

Date: 17.FEB.2017 14:01:23

LTE Band 5 / 5MHz

Lowest Channel / QPSK

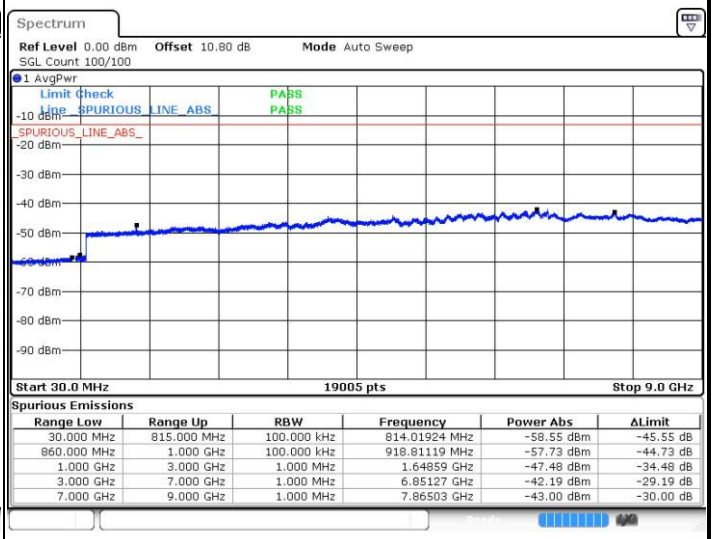


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.88081 MHz	-58.44 dBm	-45.44 dB
860.000 MHz	1.000 GHz	100.000 kHz	911.25874 MHz	-57.56 dBm	-44.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-47.06 dBm	-34.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-41.92 dBm	-28.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85654 GHz	-43.17 dBm	-30.17 dB

Date: 17.FEB.2017 14:09:35

Lowest Channel / 16QAM

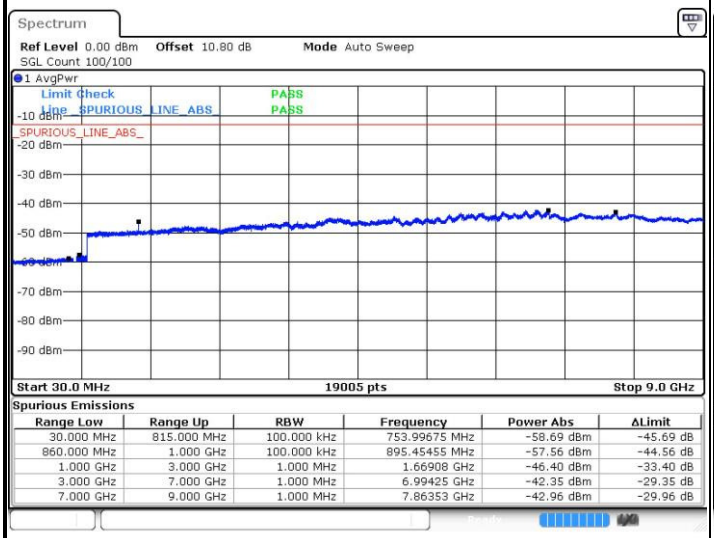


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-58.55 dBm	-45.55 dB
860.000 MHz	1.000 GHz	100.000 kHz	918.81119 MHz	-57.73 dBm	-44.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-47.48 dBm	-34.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85127 GHz	-42.19 dBm	-29.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86503 GHz	-43.00 dBm	-30.00 dB

Date: 17.FEB.2017 14:10:29

Middle Channel / QPSK

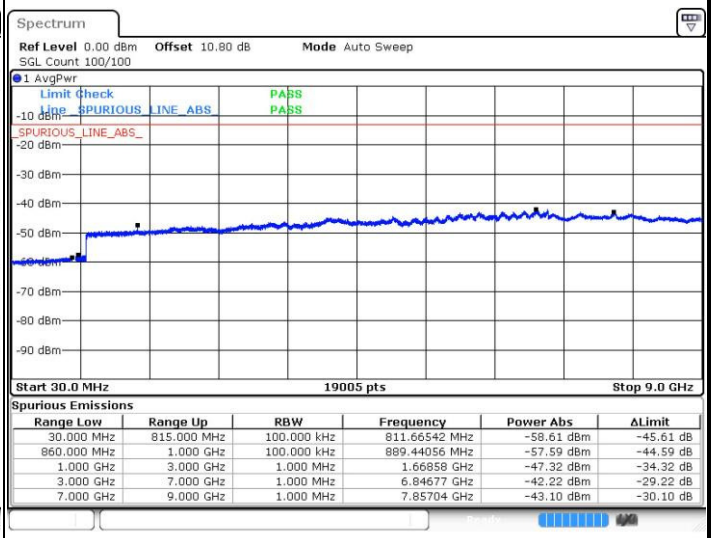


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	753.99675 MHz	-58.69 dBm	-45.69 dB
860.000 MHz	1.000 GHz	100.000 kHz	895.45455 MHz	-57.56 dBm	-44.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-42.35 dBm	-29.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86353 GHz	-42.96 dBm	-29.96 dB

Date: 17.FEB.2017 14:12:05

Middle Channel / 16QAM



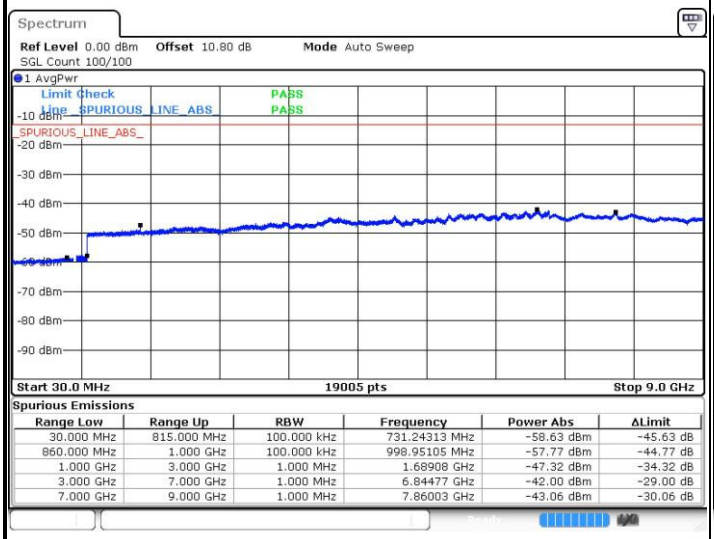
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.66542 MHz	-58.61 dBm	-45.61 dB
860.000 MHz	1.000 GHz	100.000 kHz	889.44056 MHz	-57.59 dBm	-44.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66858 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84677 GHz	-42.22 dBm	-29.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.10 dBm	-30.10 dB

Date: 17.FEB.2017 14:12:59

LTE Band 5 / 5MHz

Highest Channel / QPSK

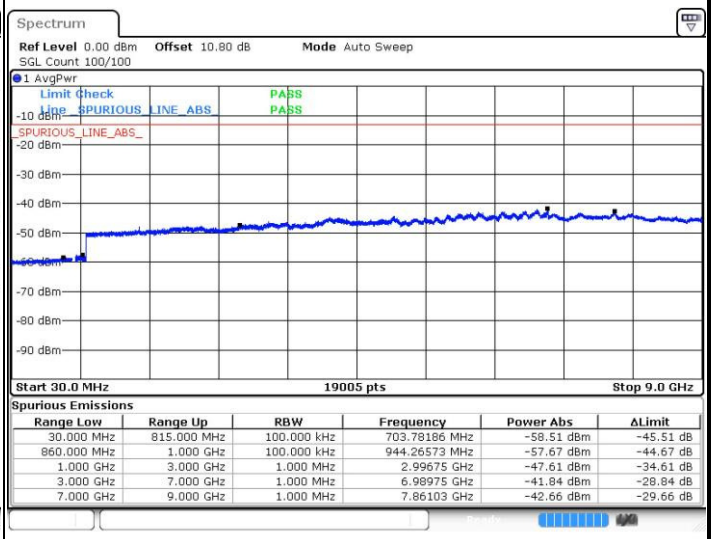


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	731.24313 MHz	-58.63 dBm	-45.63 dB
860.000 MHz	1.000 GHz	100.000 kHz	998.95105 MHz	-57.77 dBm	-44.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84477 GHz	-42.00 dBm	-29.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86003 GHz	-43.06 dBm	-30.06 dB

Date: 17.FEB.2017 14:21:12

Highest Channel / 16QAM



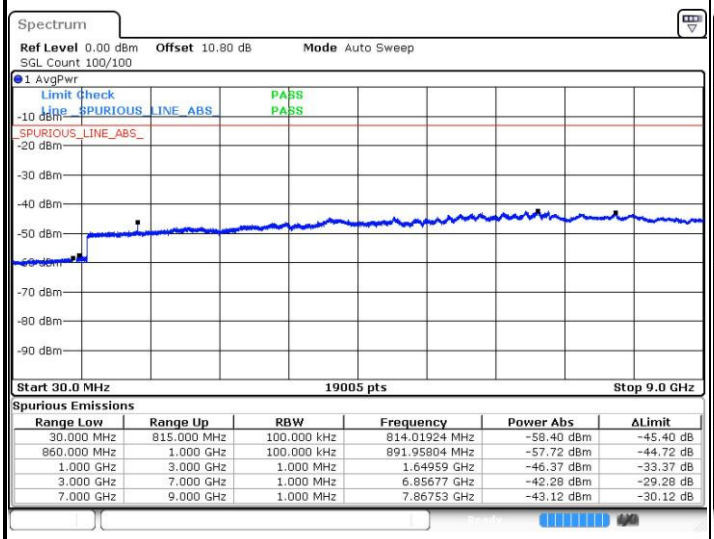
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	703.78186 MHz	-58.51 dBm	-45.51 dB
860.000 MHz	1.000 GHz	100.000 kHz	944.26573 MHz	-57.67 dBm	-44.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99675 GHz	-47.61 dBm	-34.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-41.84 dBm	-28.84 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-42.66 dBm	-29.66 dB

Date: 17.FEB.2017 14:22:06

LTE Band 5 / 10MHz

Lowest Channel / QPSK

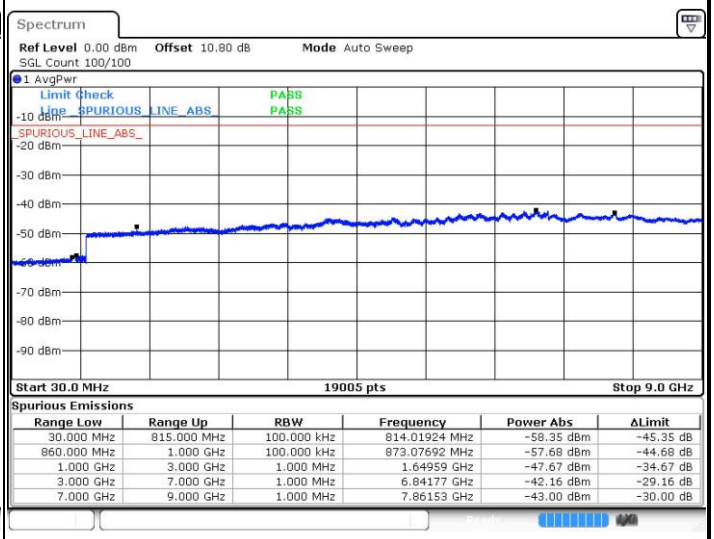


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-58.40 dBm	-45.40 dB
860.000 MHz	1.000 GHz	100.000 kHz	891.95804 MHz	-57.72 dBm	-44.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-46.37 dBm	-33.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85677 GHz	-42.28 dBm	-29.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86753 GHz	-43.12 dBm	-30.12 dB

Date: 17.FEB.2017 14:30:18

Lowest Channel / 16QAM



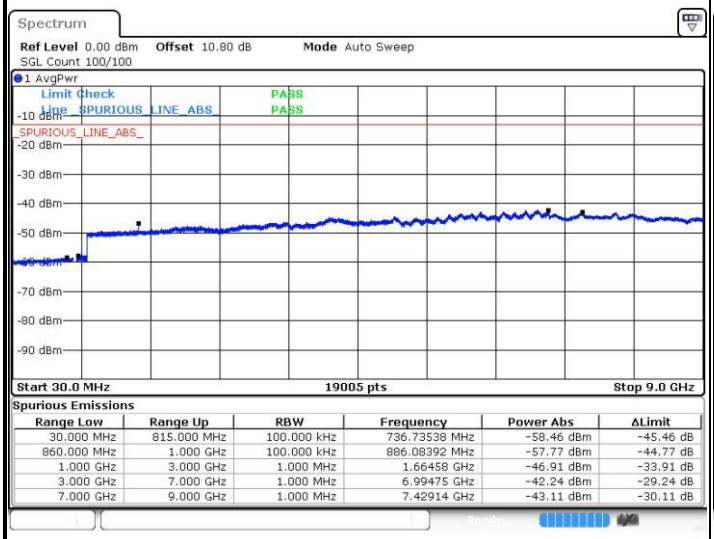
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-58.35 dBm	-45.35 dB
860.000 MHz	1.000 GHz	100.000 kHz	873.07692 MHz	-57.68 dBm	-44.68 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84177 GHz	-42.16 dBm	-29.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86153 GHz	-43.00 dBm	-30.00 dB

Date: 17.FEB.2017 14:31:12

LTE Band 5 / 10MHz

Middle Channel / QPSK

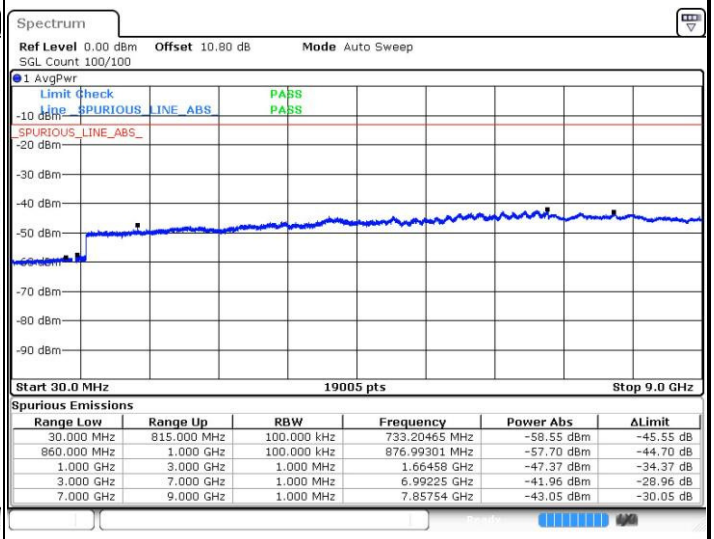


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	736.73538 MHz	-58.46 dBm	-45.46 dB
860.000 MHz	1.000 GHz	100.000 kHz	886.08392 MHz	-57.77 dBm	-44.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-46.91 dBm	-33.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-42.24 dBm	-29.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.42914 GHz	-43.11 dBm	-30.11 dB

Date: 17.FEB.2017 14:32:47

Middle Channel / 16QAM

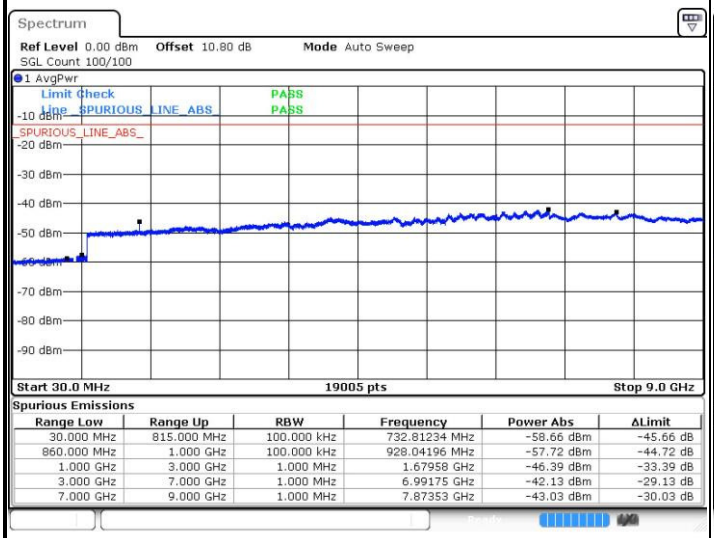


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	733.20465 MHz	-58.55 dBm	-45.55 dB
860.000 MHz	1.000 GHz	100.000 kHz	876.99301 MHz	-57.70 dBm	-44.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-47.37 dBm	-34.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-41.96 dBm	-28.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85754 GHz	-43.05 dBm	-30.05 dB

Date: 17.FEB.2017 14:33:41

Highest Channel / QPSK

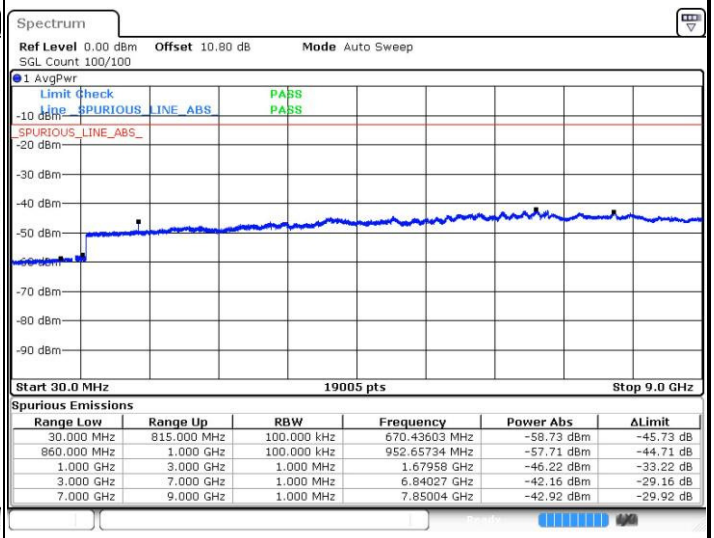


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	732.81234 MHz	-58.66 dBm	-45.66 dB
860.000 MHz	1.000 GHz	100.000 kHz	928.04196 MHz	-57.72 dBm	-44.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.13 dBm	-29.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.87353 GHz	-43.03 dBm	-30.03 dB

Date: 17.FEB.2017 14:41:52

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	670.43603 MHz	-58.73 dBm	-45.73 dB
860.000 MHz	1.000 GHz	100.000 kHz	952.65734 MHz	-57.71 dBm	-44.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-46.22 dBm	-33.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84027 GHz	-42.16 dBm	-29.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85004 GHz	-42.92 dBm	-29.92 dB

Date: 17.FEB.2017 14:42:46

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	0.0071	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0078	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0069	

Note:

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

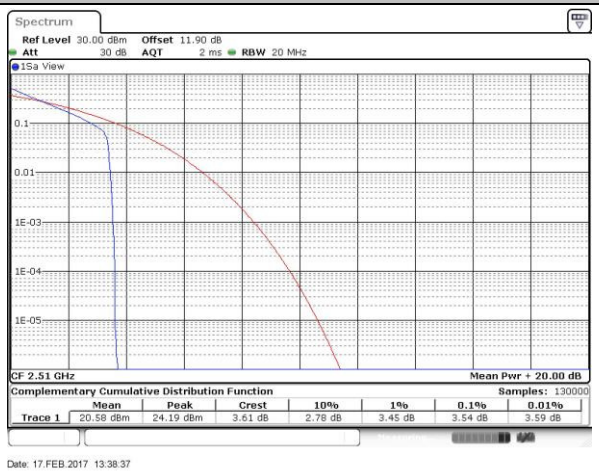
LTE Band 7

Peak-to-Average Ratio

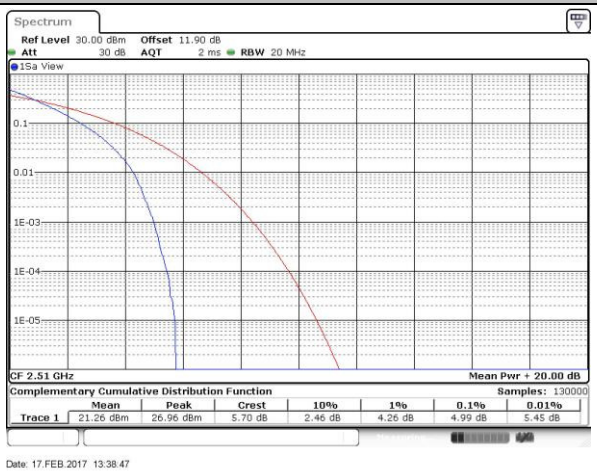
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.99	4.32	6	PASS
Middle CH	3.62	4.99	4.17	5.91	
Highest CH	3.65	4.84	4.67	5.94	

LTE Band 7 / 20MHz / QPSK

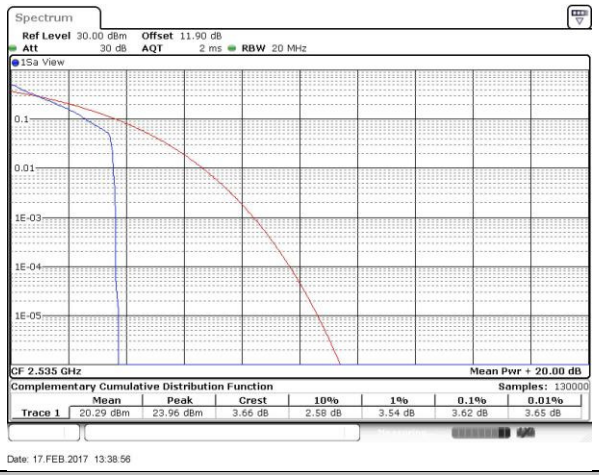
Lowest Channel / 1RB



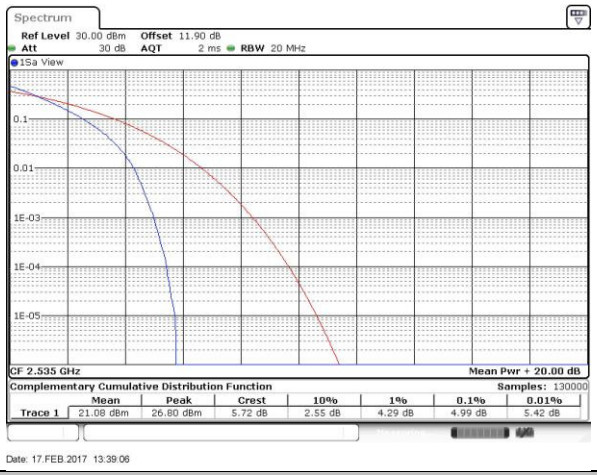
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB

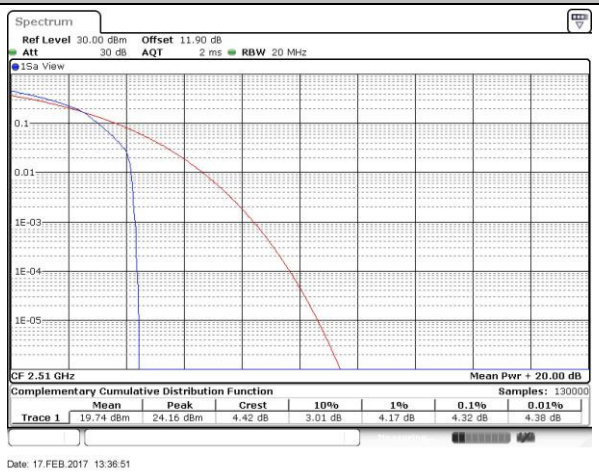


Highest Channel / 1RB

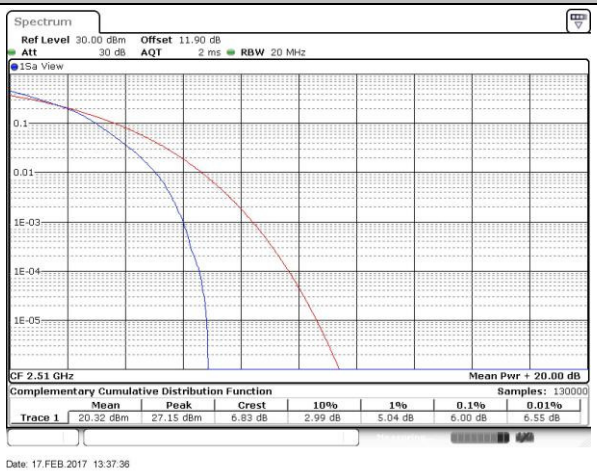
Highest Channel / Full RB

LTE Band 7 / 20MHz / 16QAM

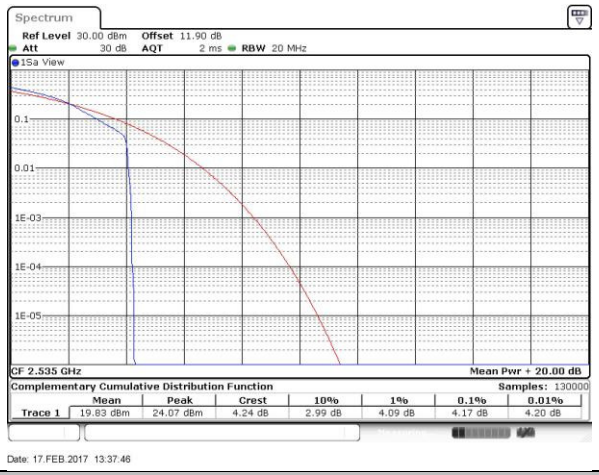
Lowest Channel / 1RB



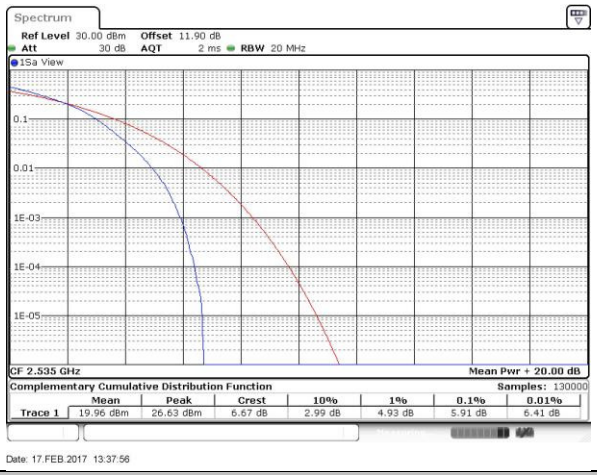
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB

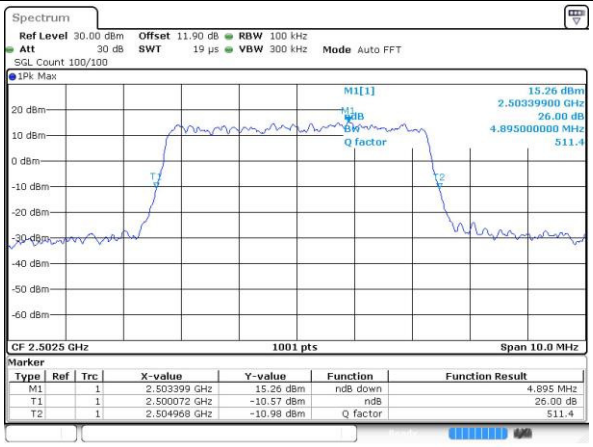
Highest Channel / Full RB

26dB Bandwidth

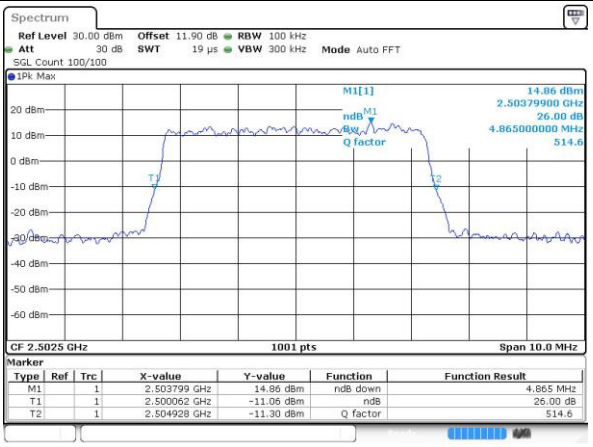
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.90	4.87	9.77	9.67	14.75	14.42	20.10	20.18
Middle CH	-	-	-	-	4.91	4.93	9.83	9.67	14.39	14.57	20.26	20.26
Highest CH	-	-	-	-	4.96	4.92	9.85	9.91	14.24	14.42	20.10	20.18

LTE Band 7

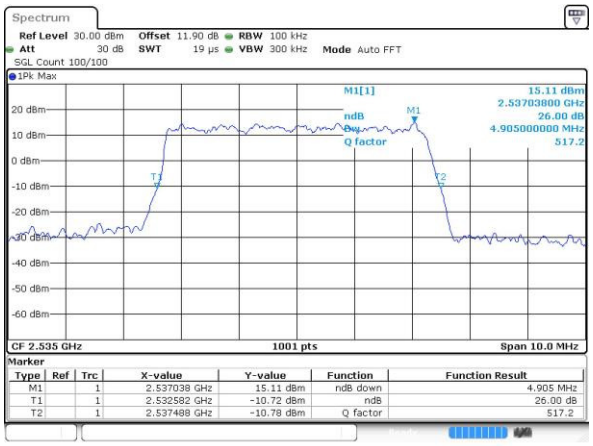
Lowest Channel / 5MHz / QPSK



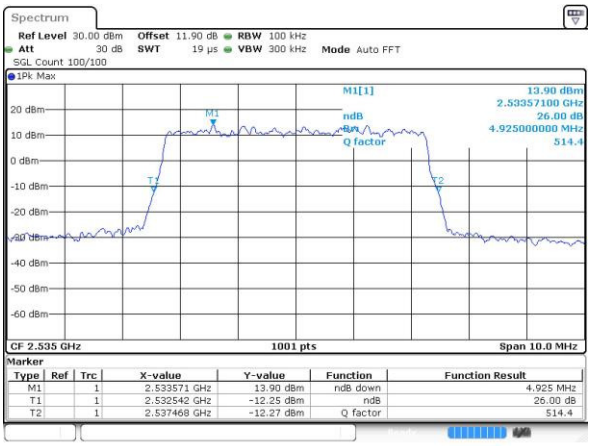
Lowest Channel / 5MHz / 16QAM



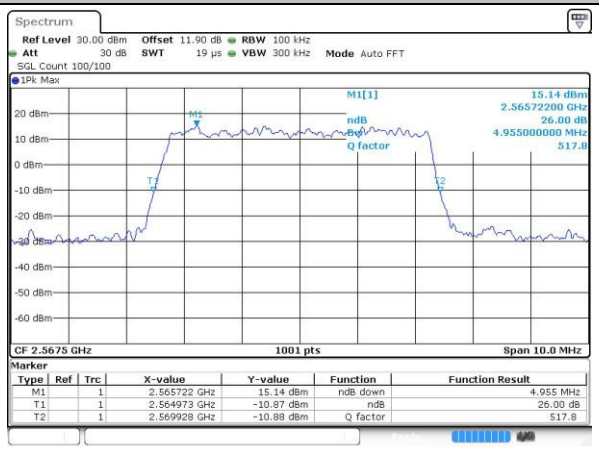
Middle Channel / 5MHz / QPSK



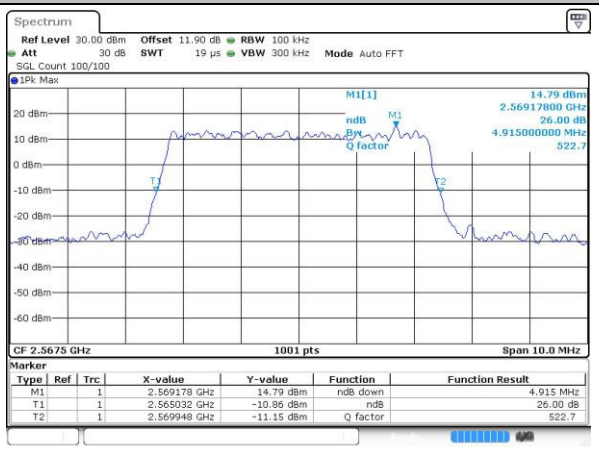
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

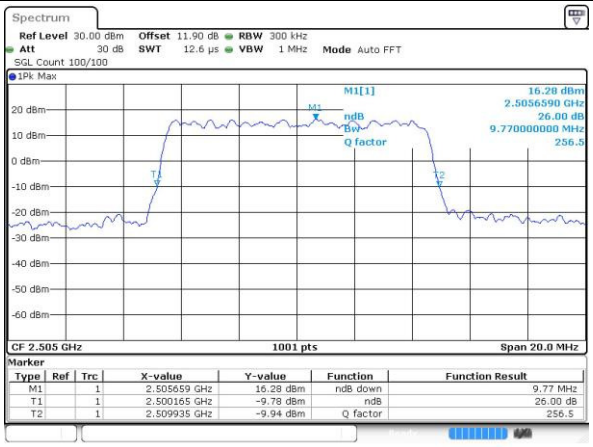


Highest Channel / 5MHz / 16QAM

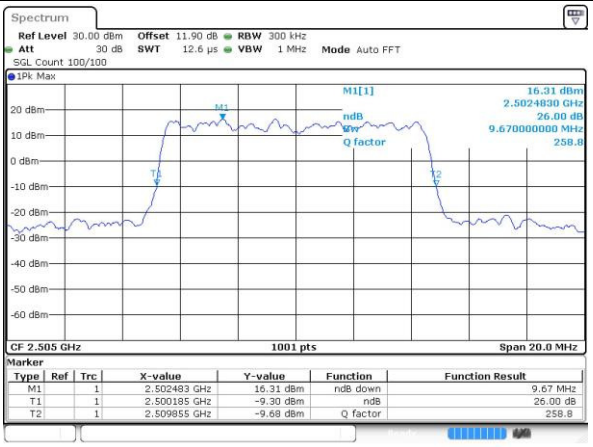


LTE Band 7

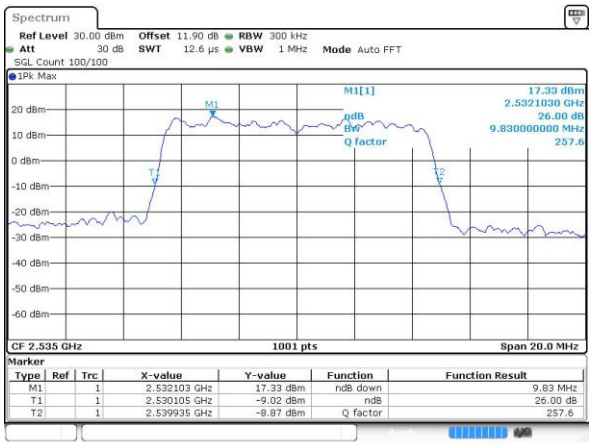
Lowest Channel / 10MHz / QPSK



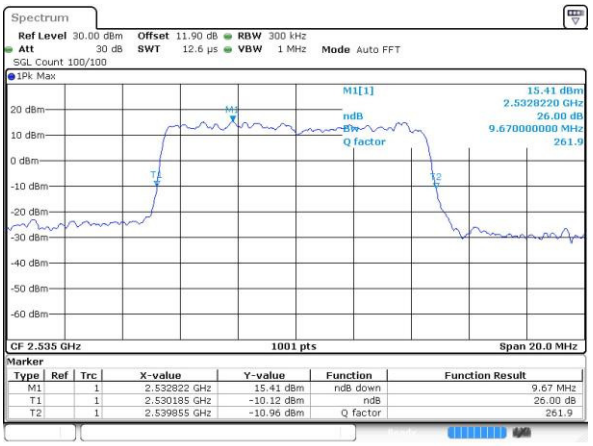
Lowest Channel / 10MHz / 16QAM



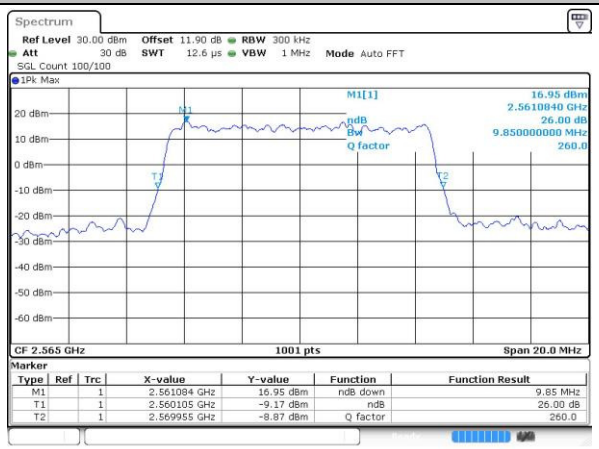
Middle Channel / 10MHz / QPSK



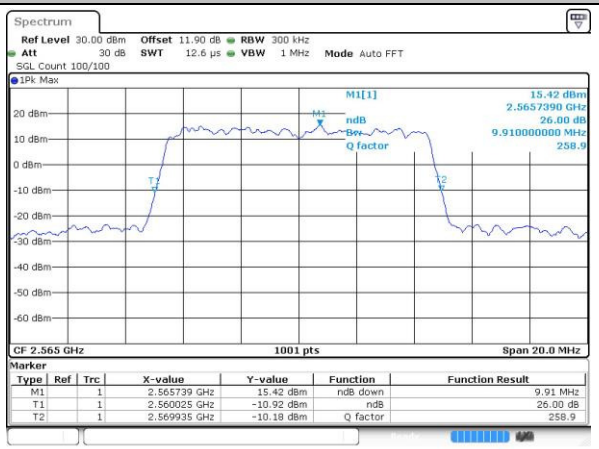
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

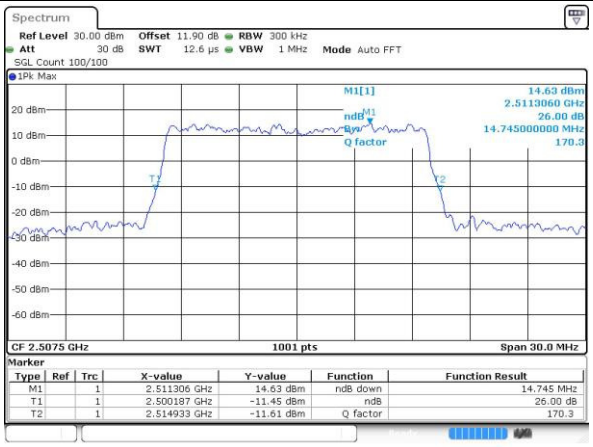


Highest Channel / 10MHz / 16QAM

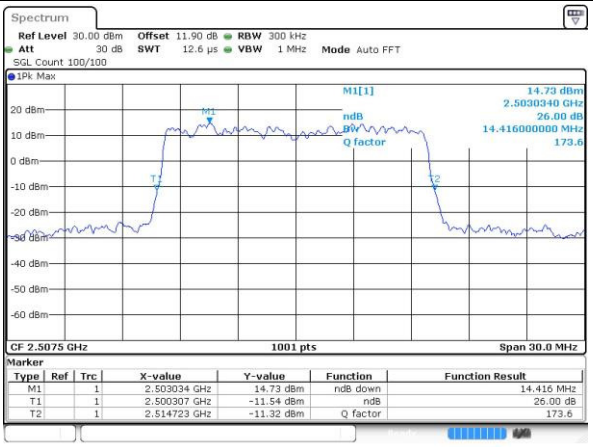


LTE Band 7

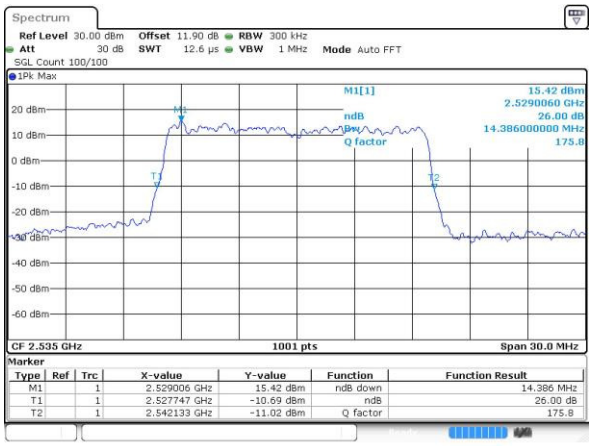
Lowest Channel / 15MHz / QPSK



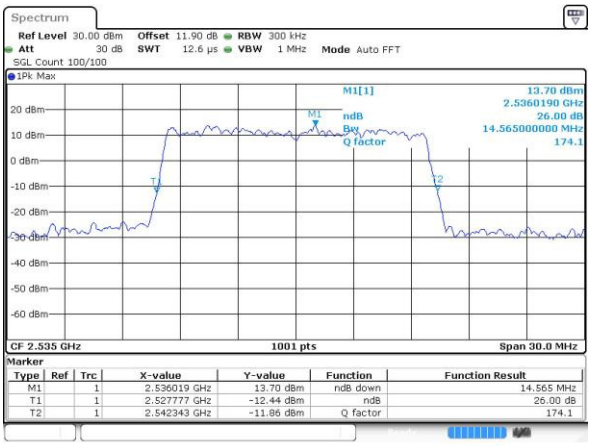
Lowest Channel / 15MHz / 16QAM



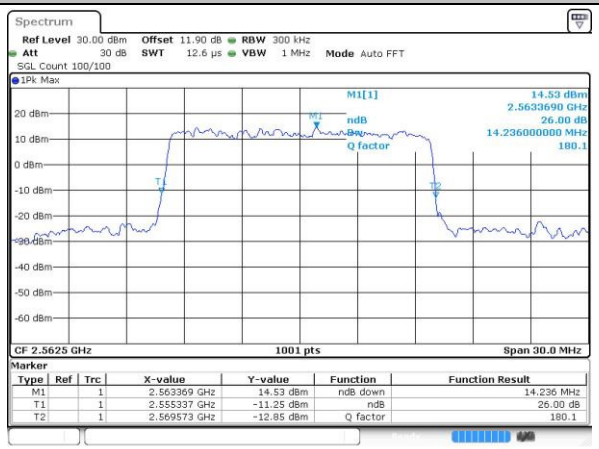
Middle Channel / 15MHz / QPSK



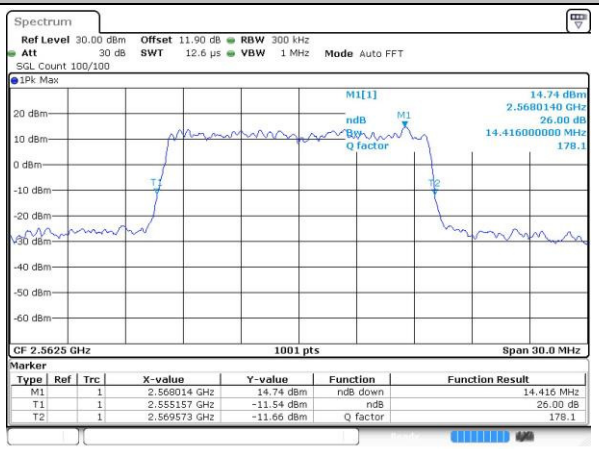
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

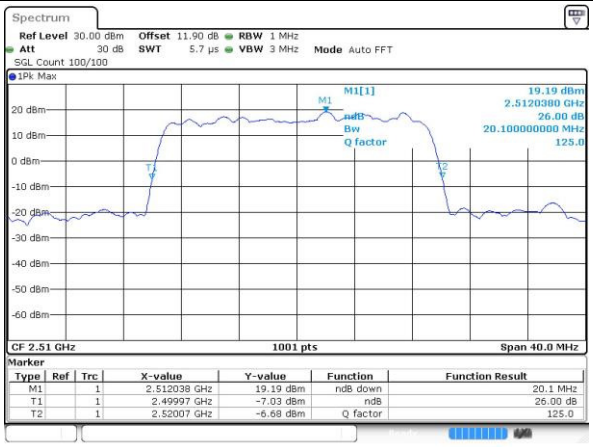


Highest Channel / 15MHz / 16QAM

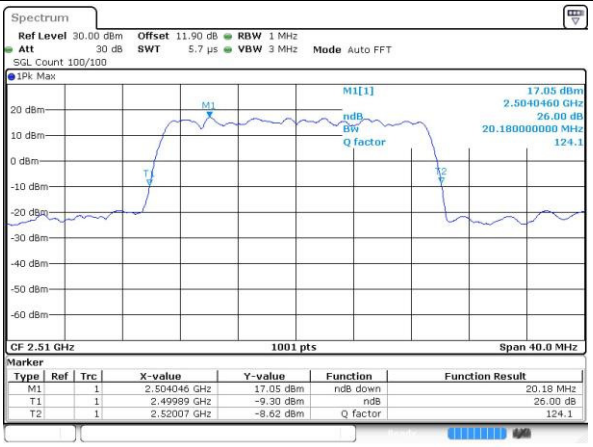


LTE Band 7

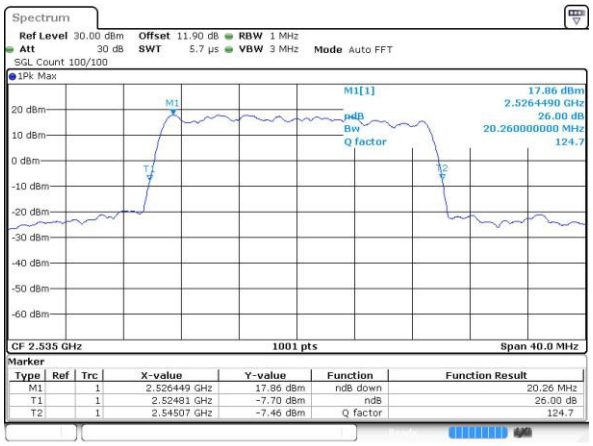
Lowest Channel / 20MHz / QPSK



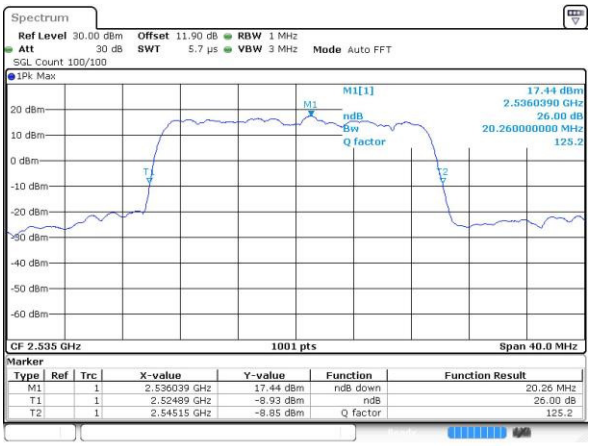
Lowest Channel / 20MHz / 16QAM



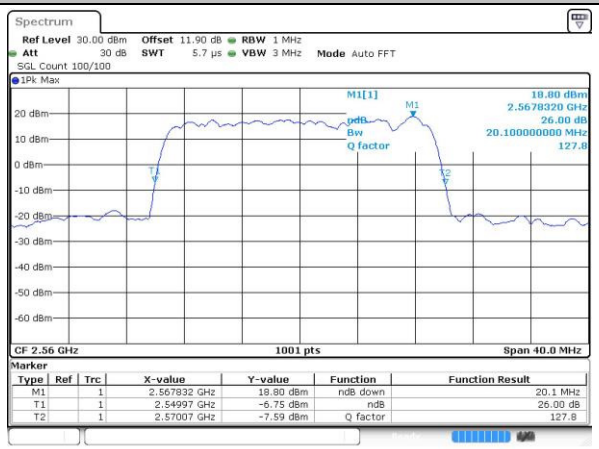
Middle Channel / 20MHz / QPSK



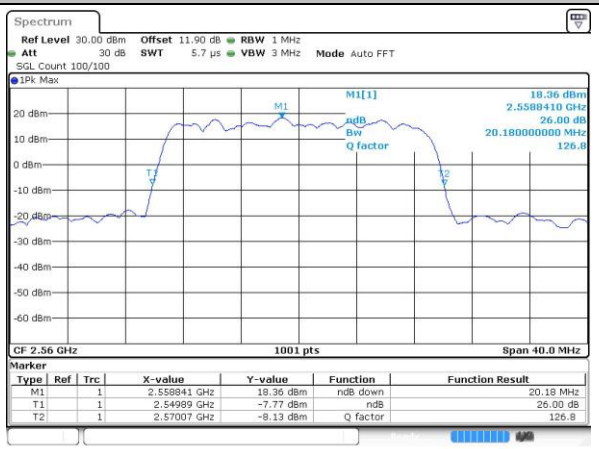
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

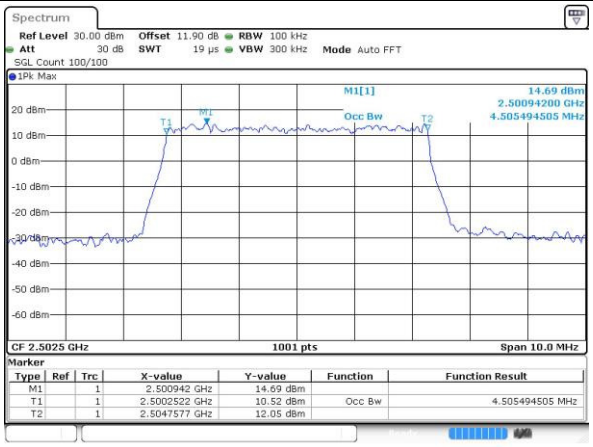


Occupied Bandwidth

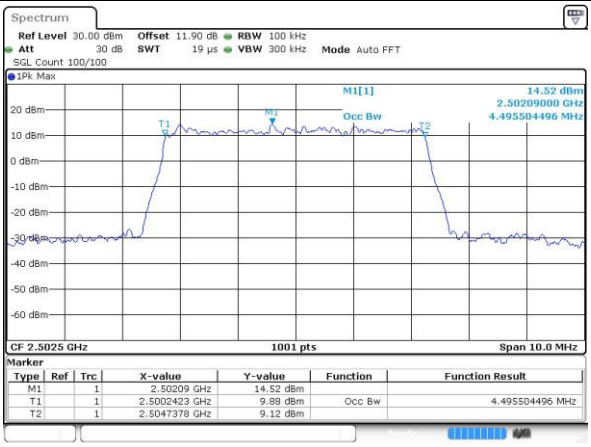
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.5	9.07	9.03	13.43	13.52	18.42	18.46
Middle CH	-	-	-	-	4.48	4.47	8.99	9.01	13.4	13.4	18.5	18.34
Highest CH	-	-	-	-	4.49	4.48	9.05	9.01	13.49	13.46	18.38	18.34

LTE Band 7

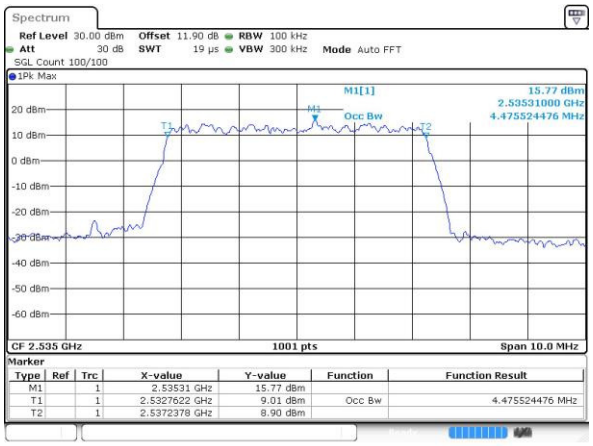
Lowest Channel / 5MHz / QPSK



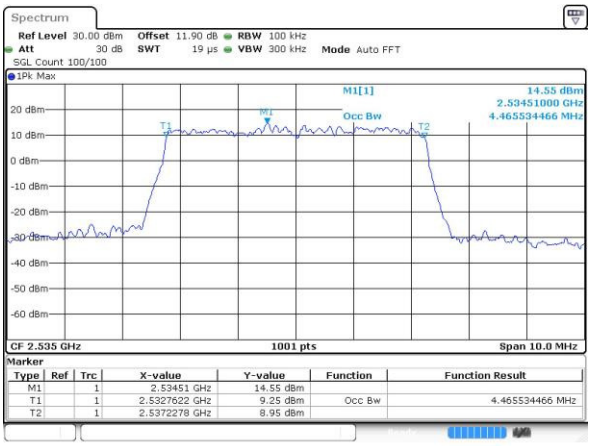
Lowest Channel / 5MHz / 16QAM



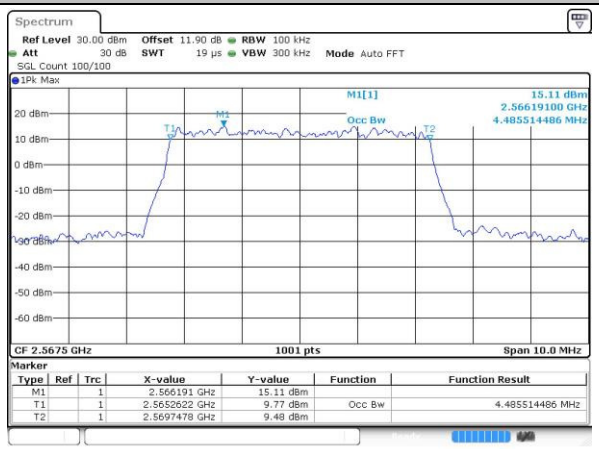
Middle Channel / 5MHz / QPSK



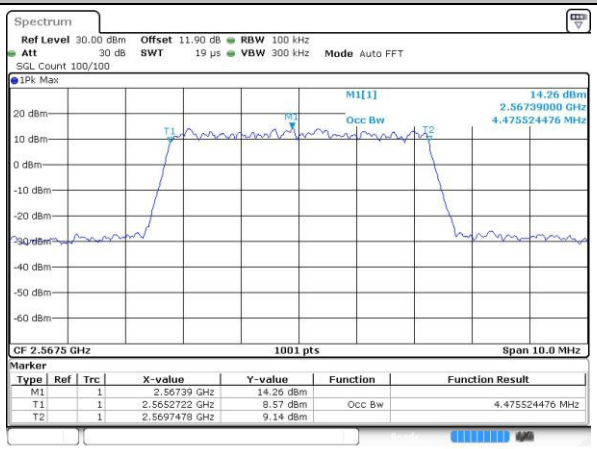
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

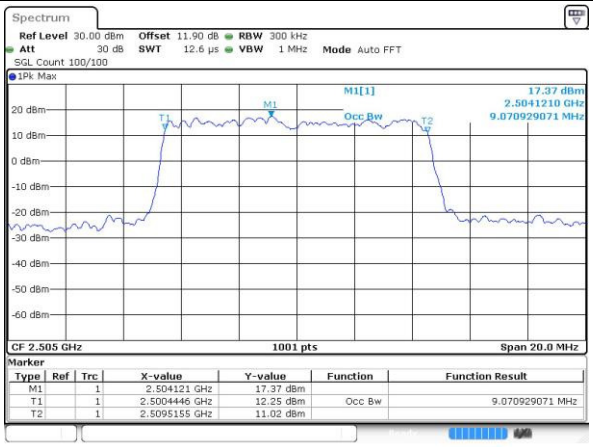


Highest Channel / 5MHz / 16QAM

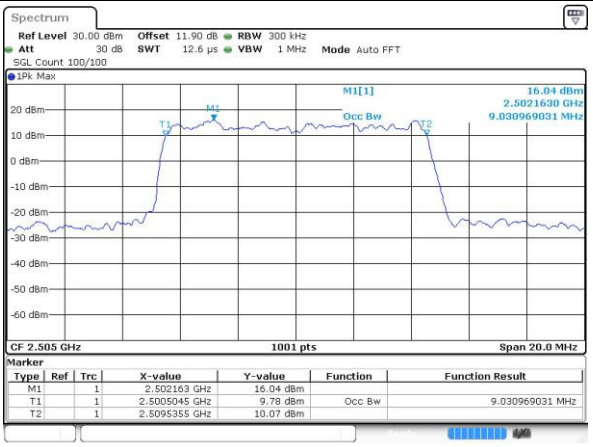


LTE Band 7

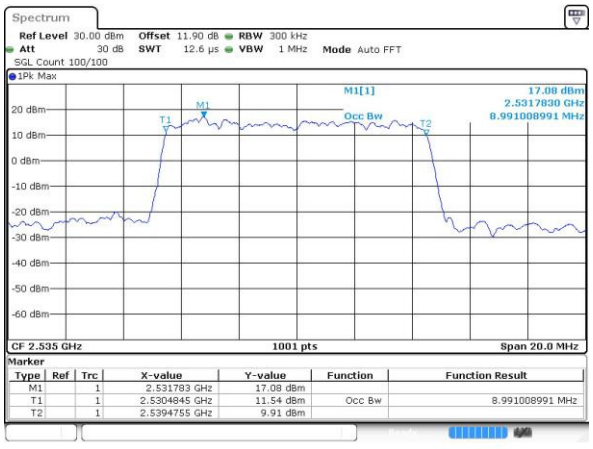
Lowest Channel / 10MHz / QPSK



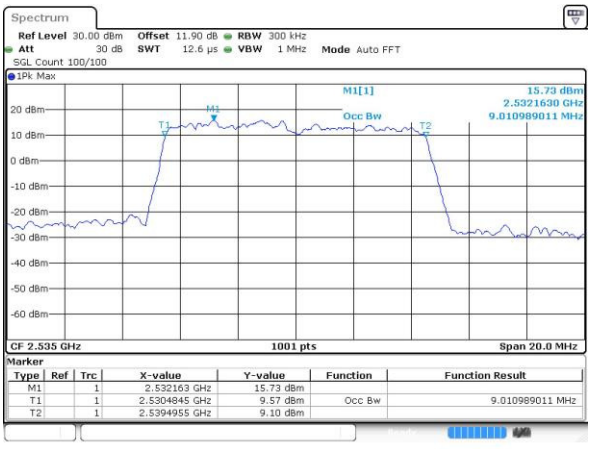
Lowest Channel / 10MHz / 16QAM



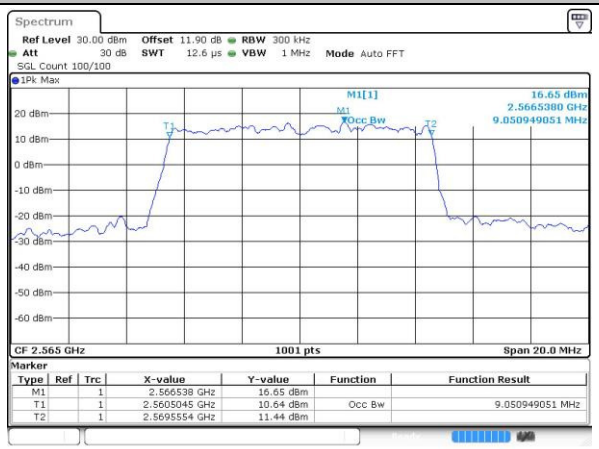
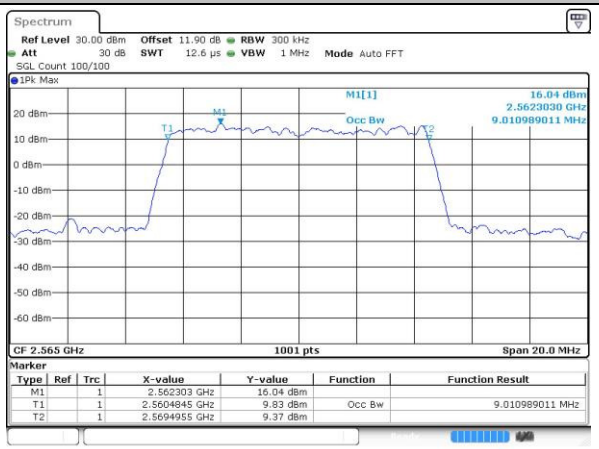
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM