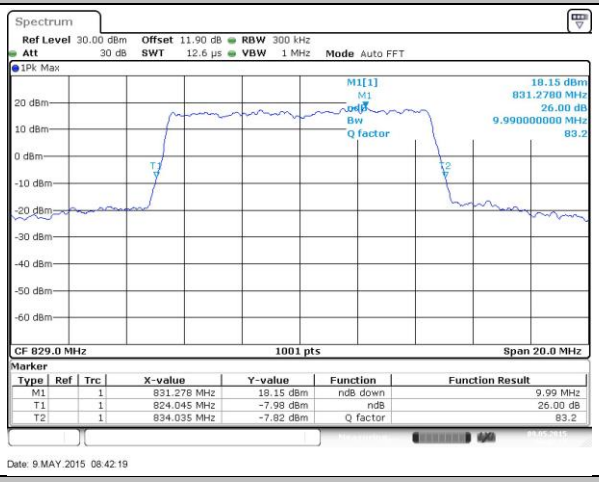
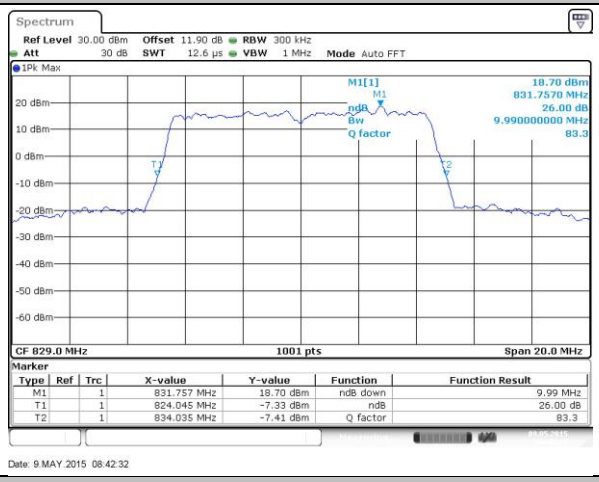
LTE Band 5

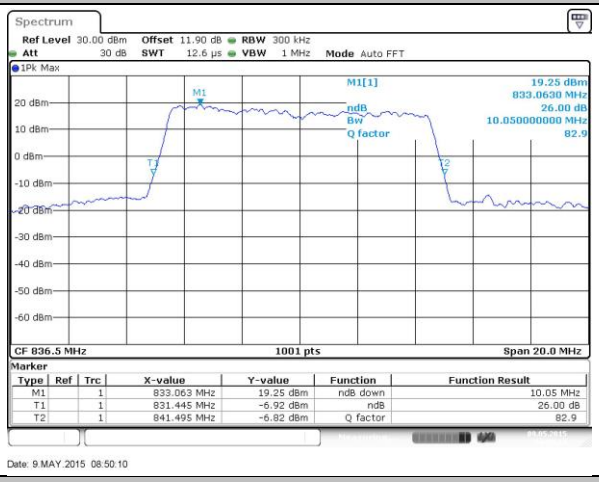
Lowest Channel / 10MHz / QPSK



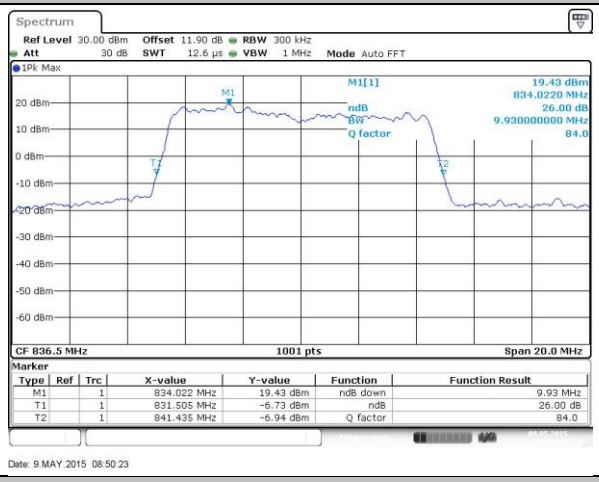
Lowest Channel / 10MHz / 16QAM



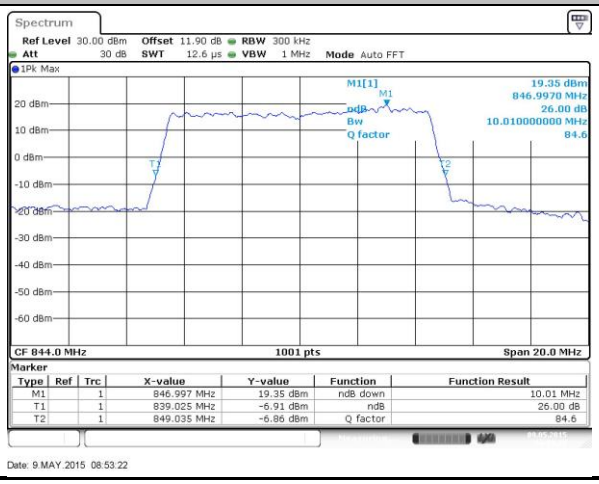
Middle Channel / 10MHz / QPSK



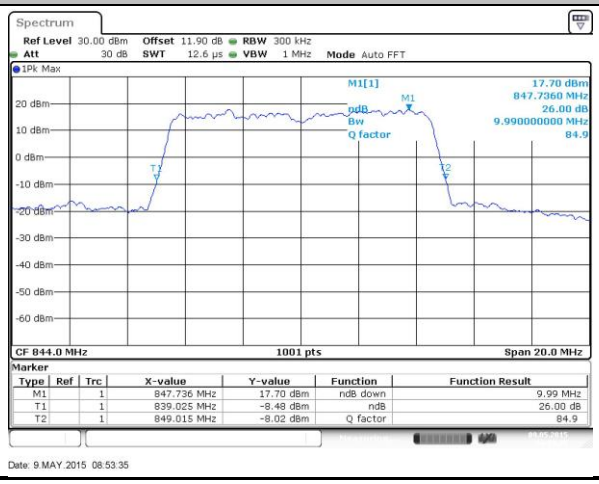
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

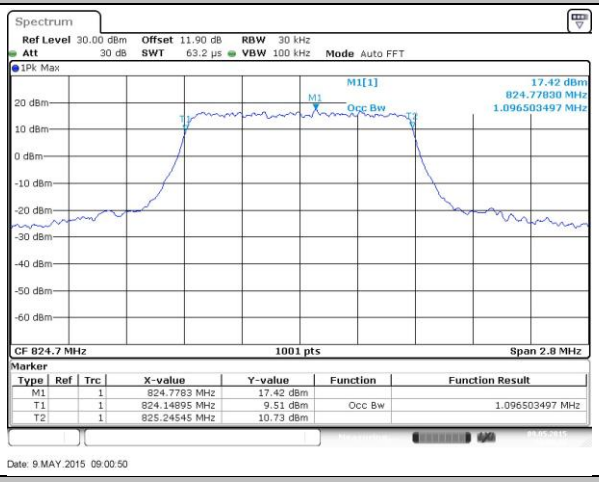


Occupied Bandwidth

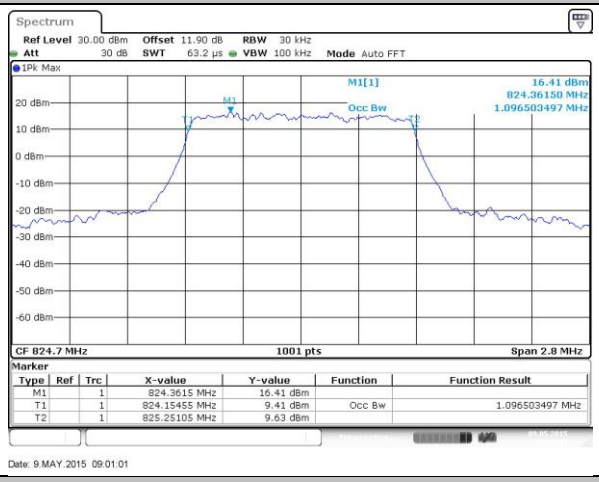
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.10	2.73	2.72	4.51	4.51	9.03	9.03	-	-	-	-
Middle CH	1.10	1.10	2.73	2.73	4.51	4.50	9.15	9.05	-	-	-	-
Highest CH	1.10	1.10	2.72	2.72	4.50	4.50	9.09	9.03	-	-	-	-

LTE Band 5

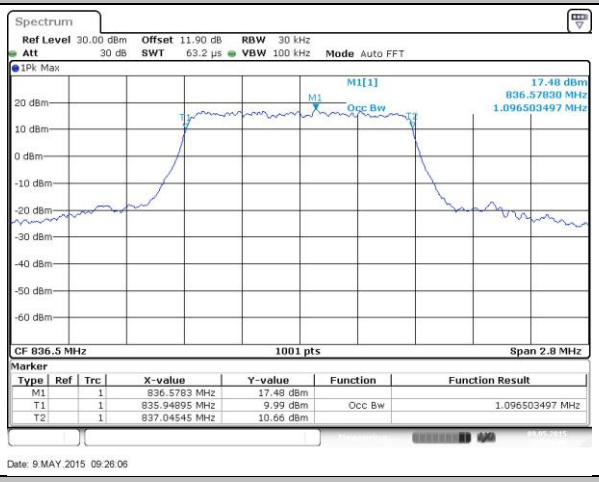
Lowest Channel / 1.4MHz / QPSK



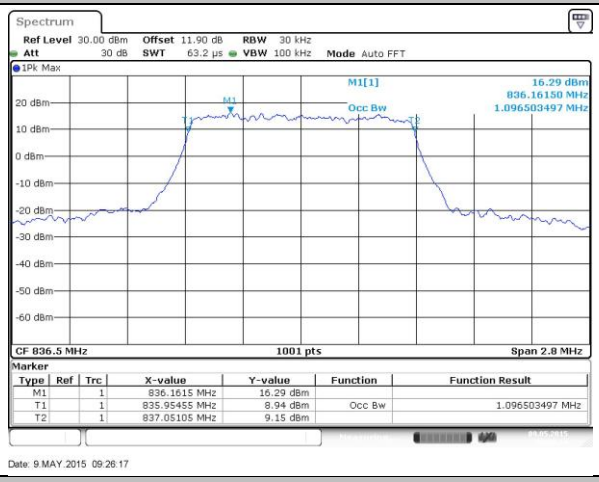
Lowest Channel / 1.4MHz / 16QAM



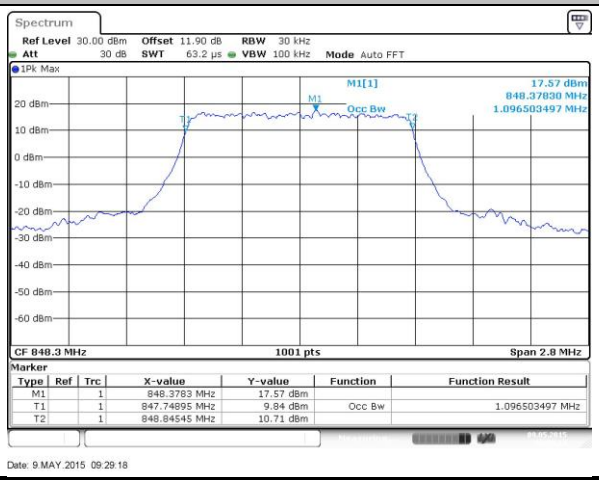
Middle Channel / 1.4MHz / QPSK



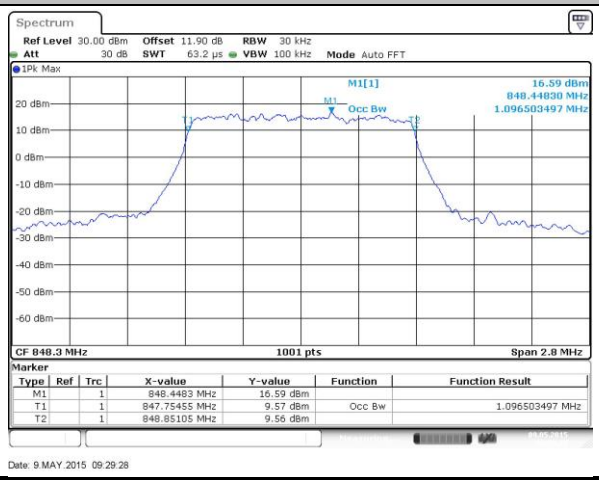
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

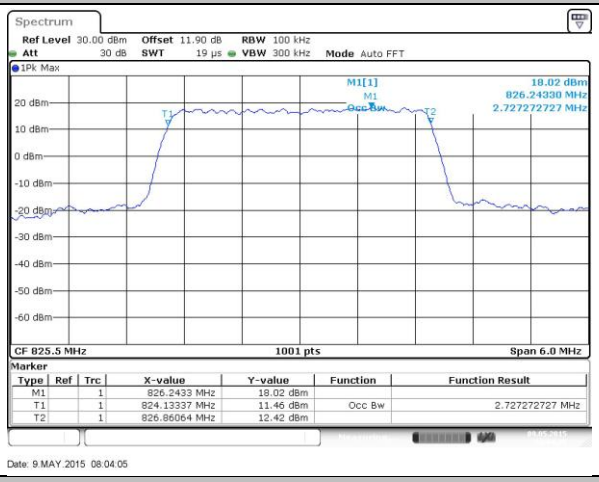


Highest Channel / 1.4MHz / 16QAM

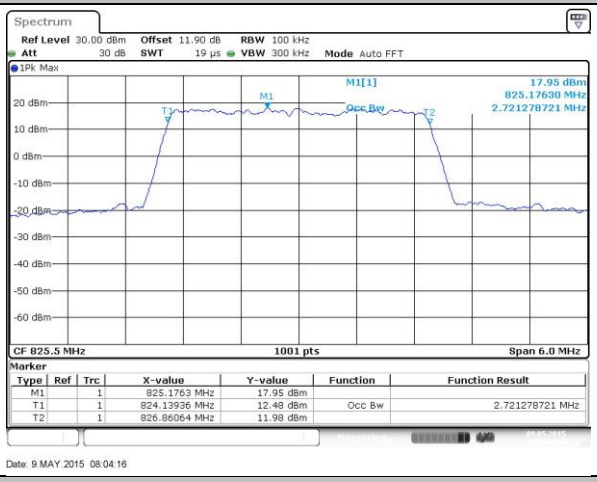


LTE Band 5

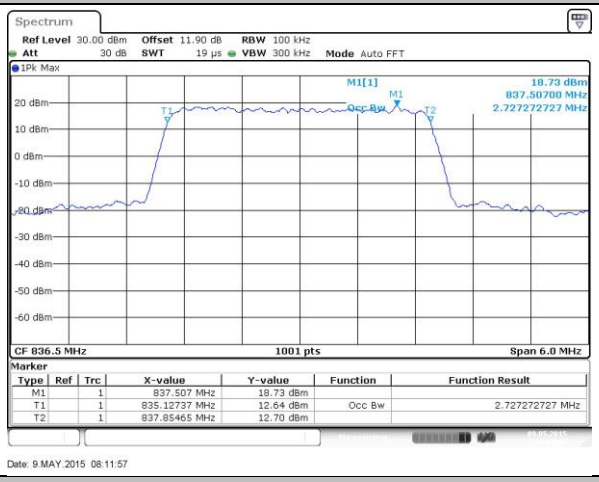
Lowest Channel / 3MHz / QPSK



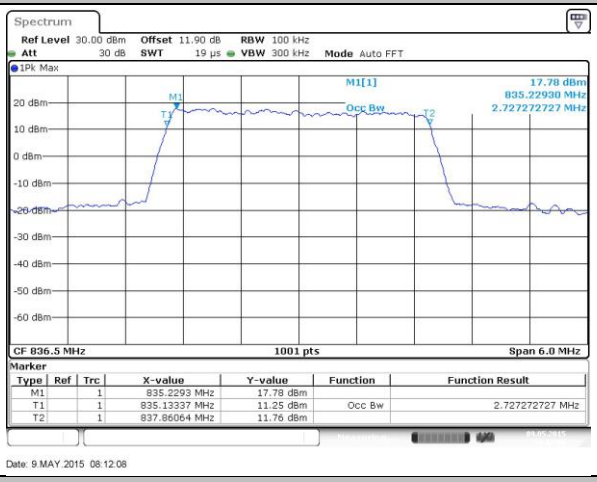
Lowest Channel / 3MHz / 16QAM



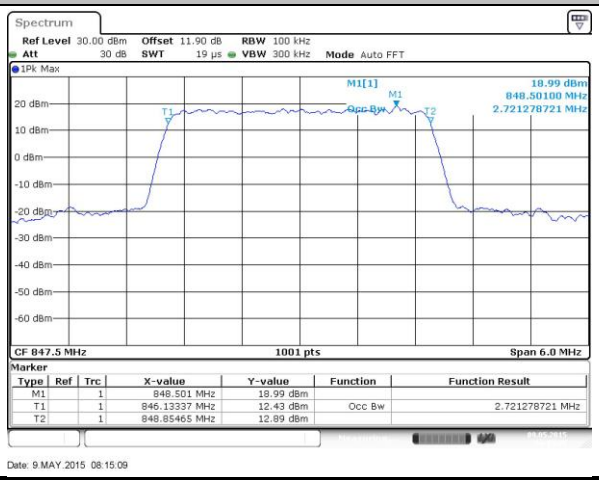
Middle Channel / 3MHz / QPSK



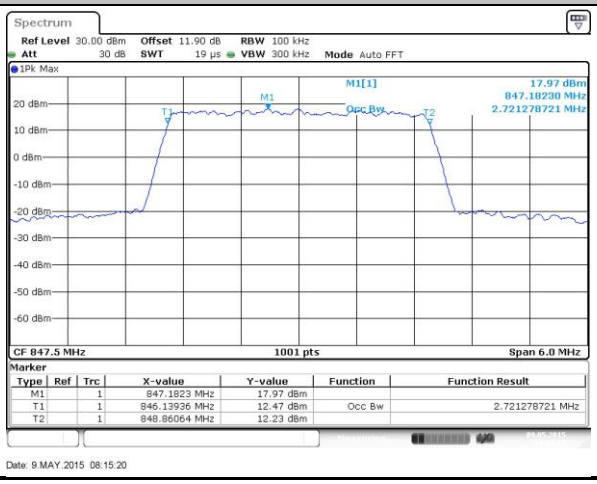
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

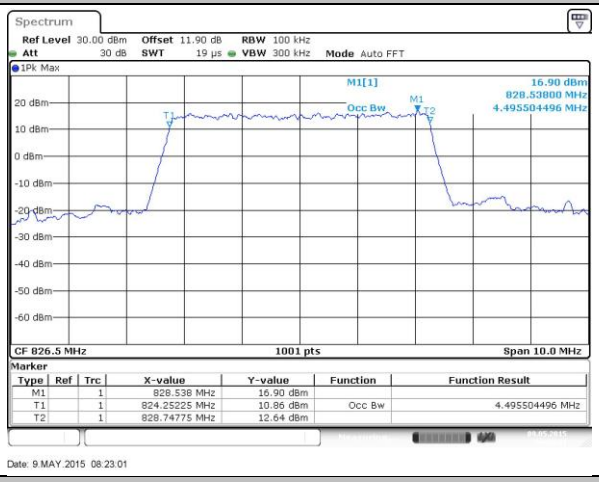


Highest Channel / 3MHz / 16QAM

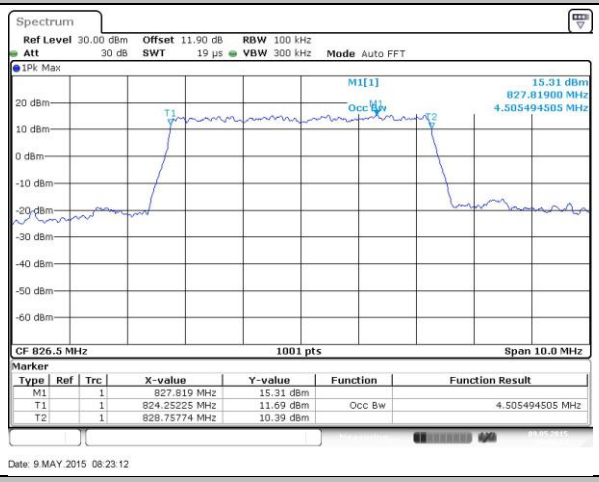


LTE Band 5

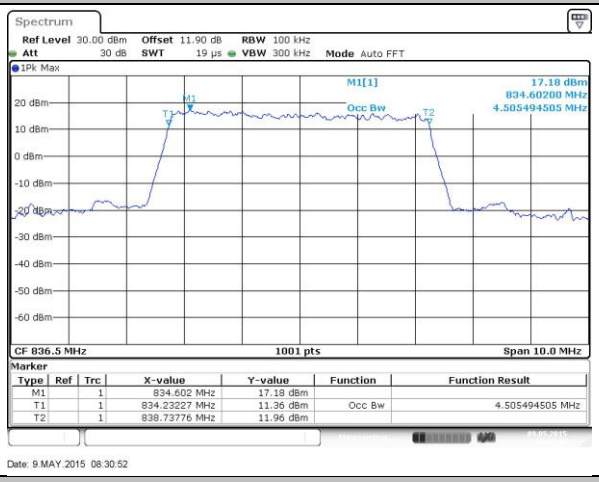
Lowest Channel / 5MHz / QPSK



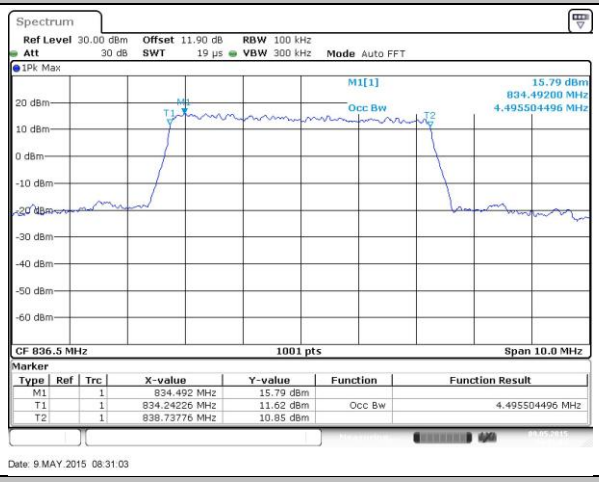
Lowest Channel / 5MHz / 16QAM



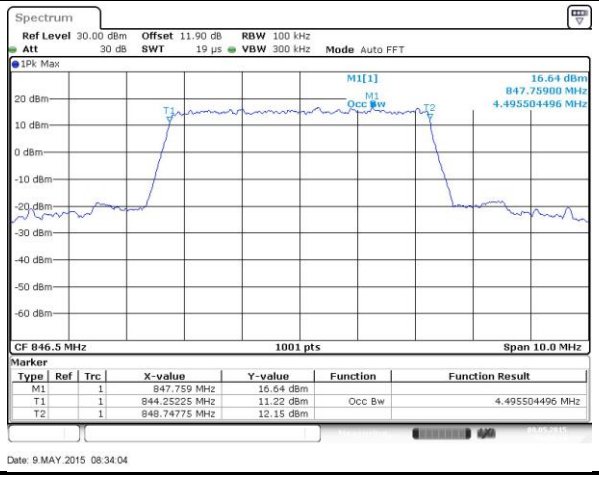
Middle Channel / 5MHz / QPSK



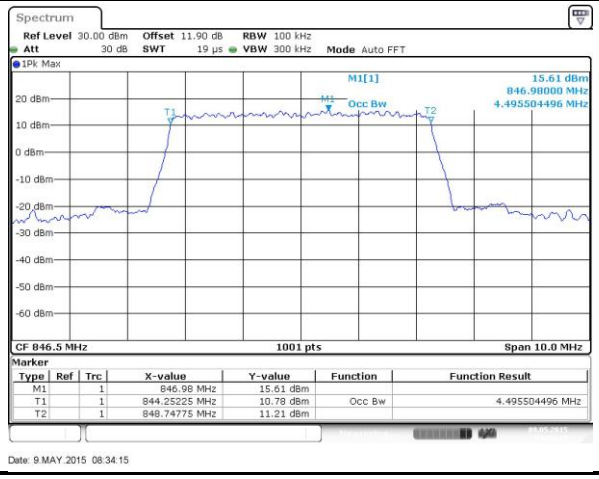
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

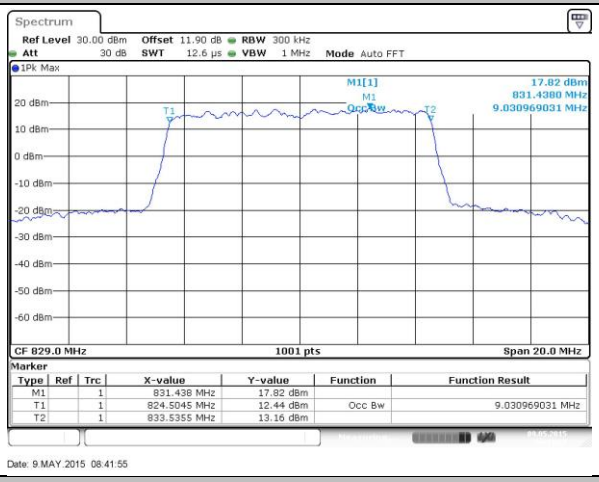


Highest Channel / 5MHz / 16QAM

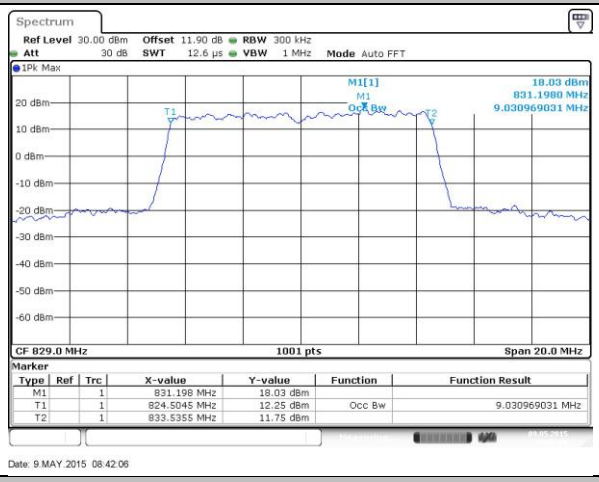


LTE Band 5

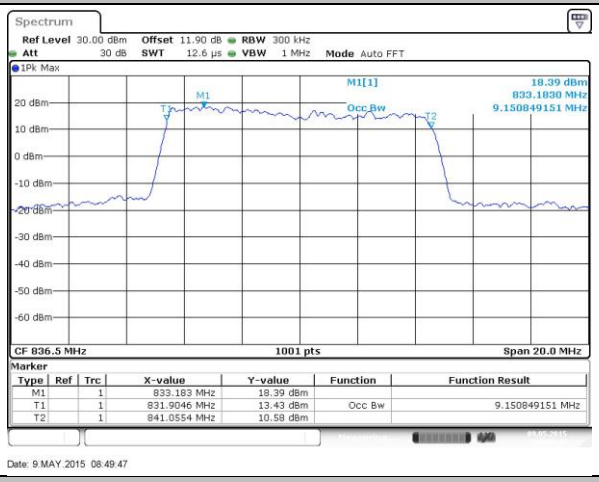
Lowest Channel / 10MHz / QPSK



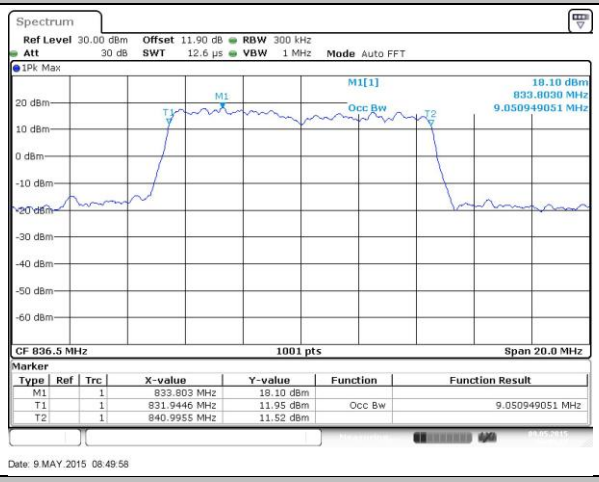
Lowest Channel / 10MHz / 16QAM



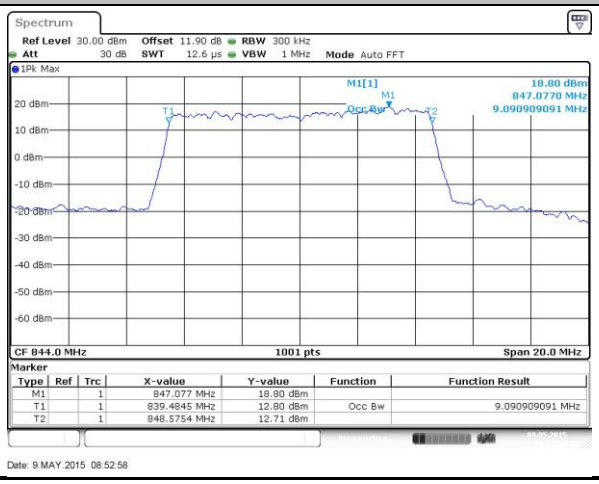
Middle Channel / 10MHz / QPSK



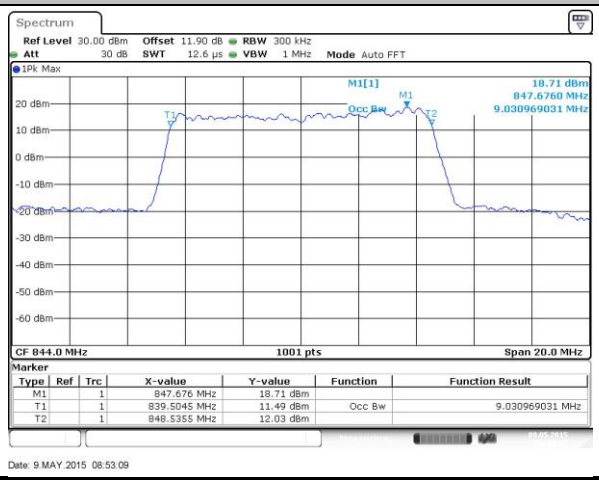
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



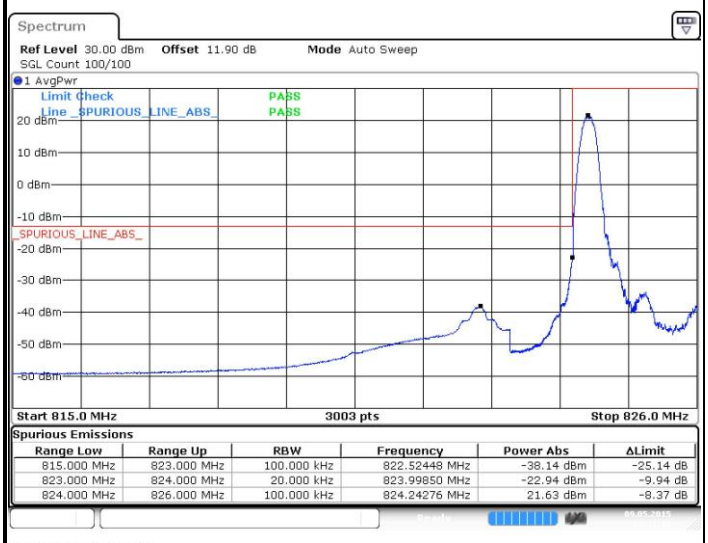
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

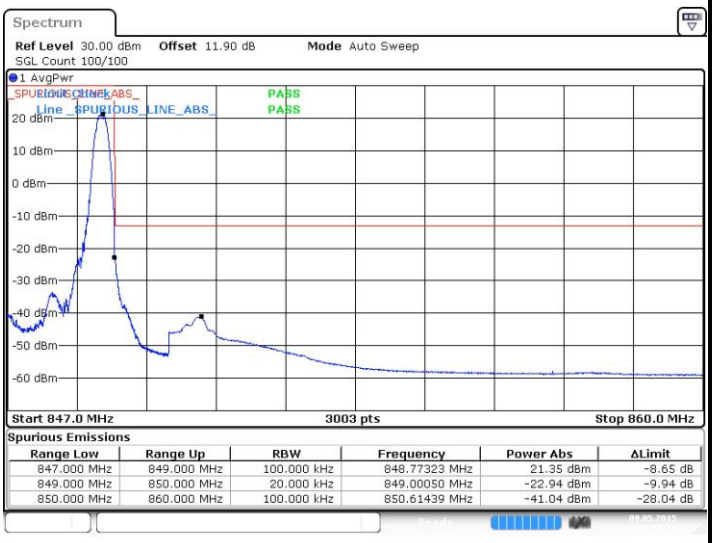
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



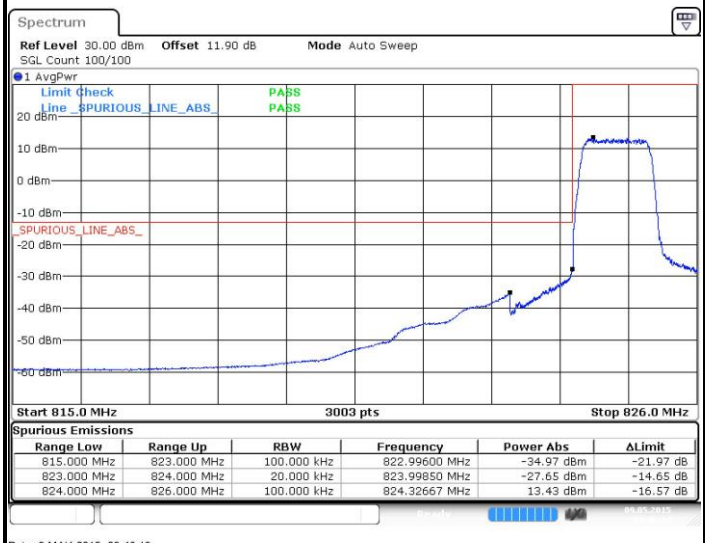
Date: 9.MAY.2015 09:51:19

Highest Band Edge / 1RB



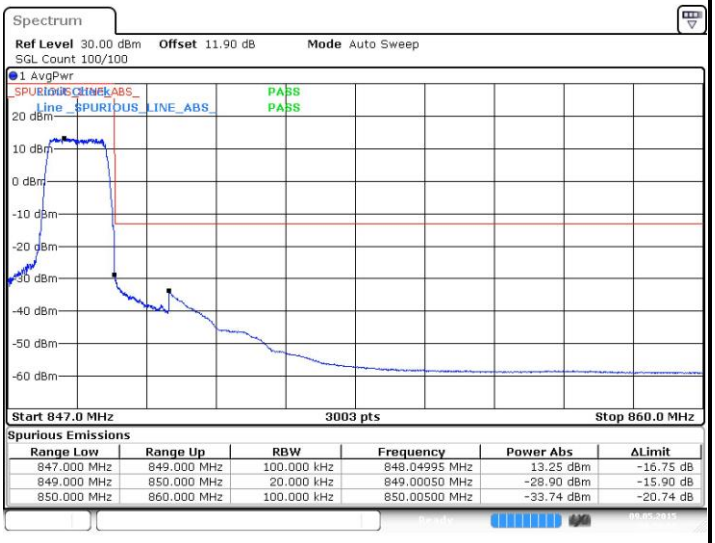
Date: 9.MAY.2015 09:53:53

Lowest Band Edge / Full RB

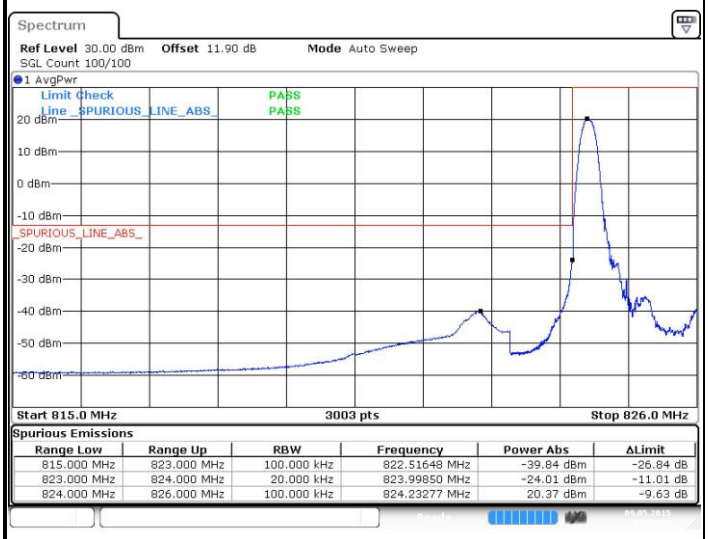
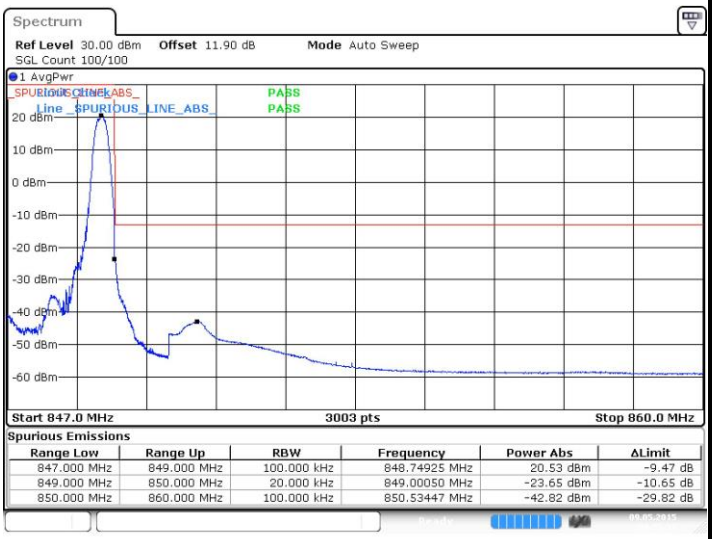
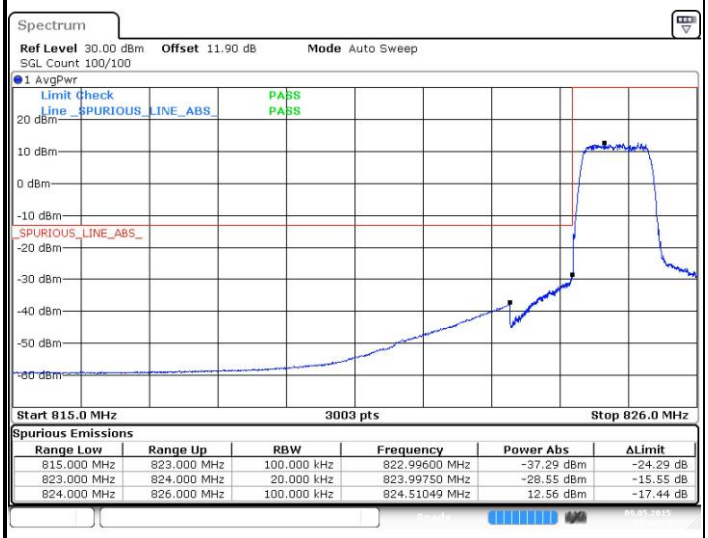
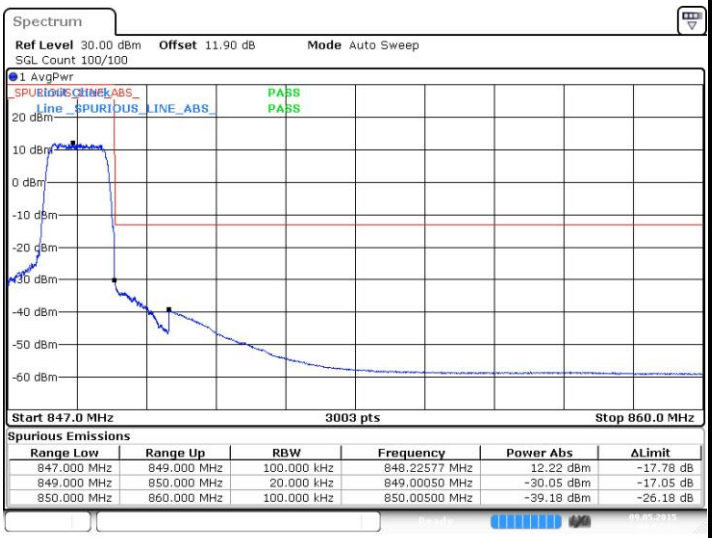


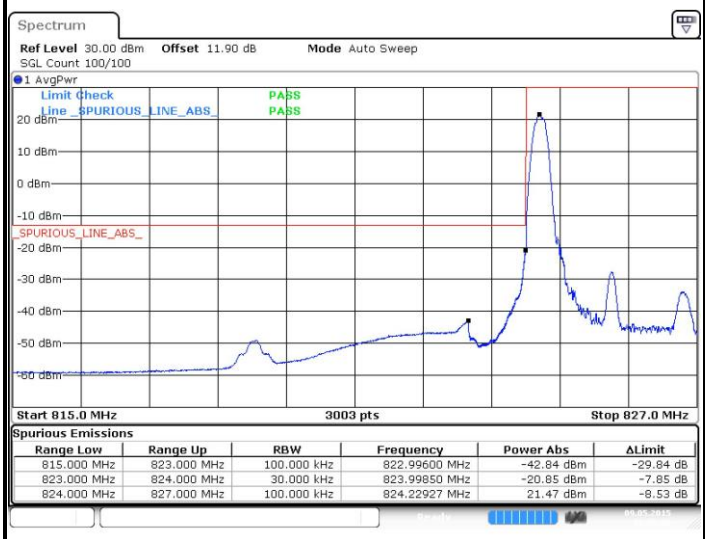
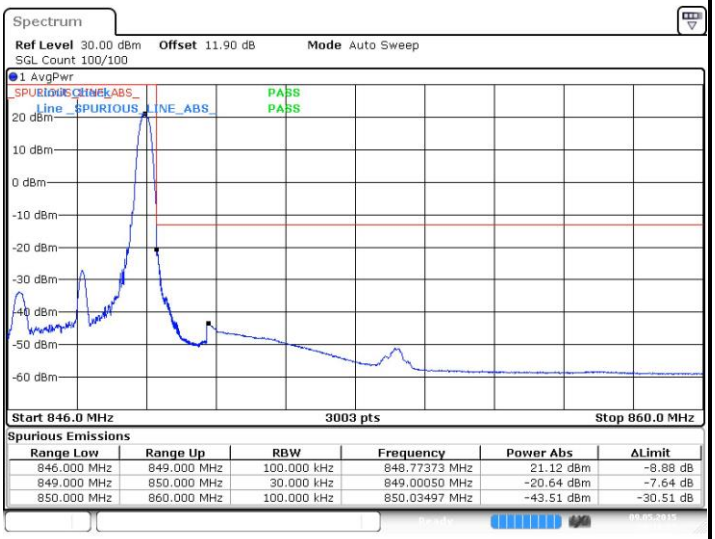
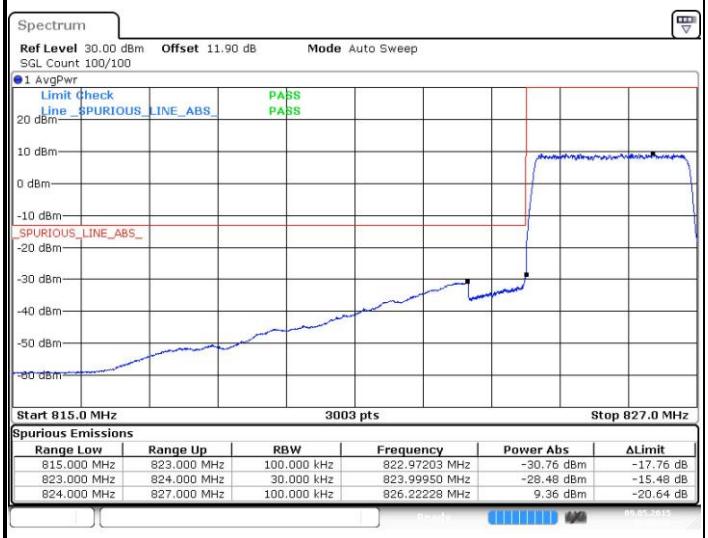
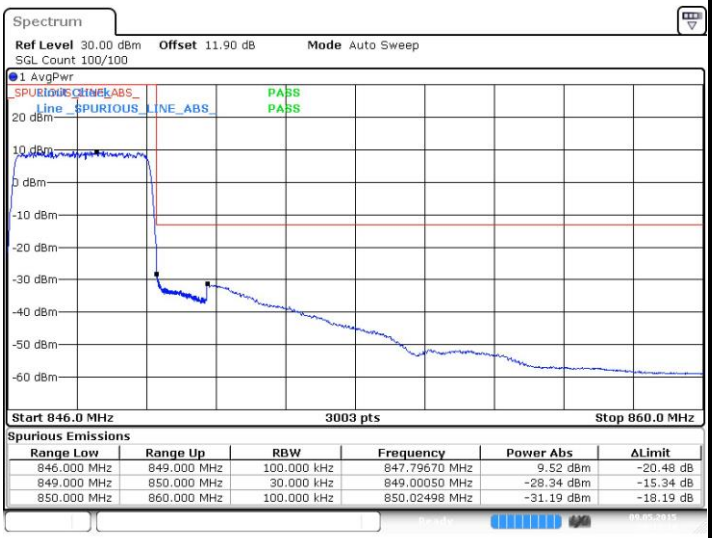
Date: 9.MAY.2015 09:46:13

Highest Band Edge / Full RB



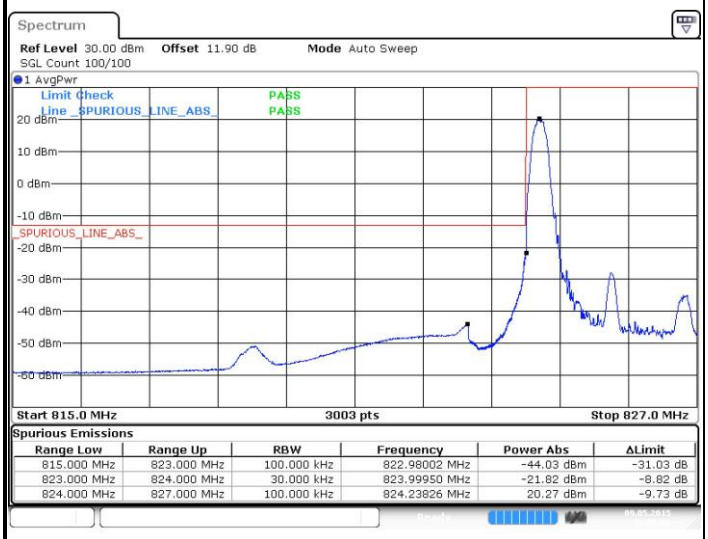
Date: 9.MAY.2015 09:58:58

LTE Band 5 / 1.4MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 5 / 3MHz / QPSK	
Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

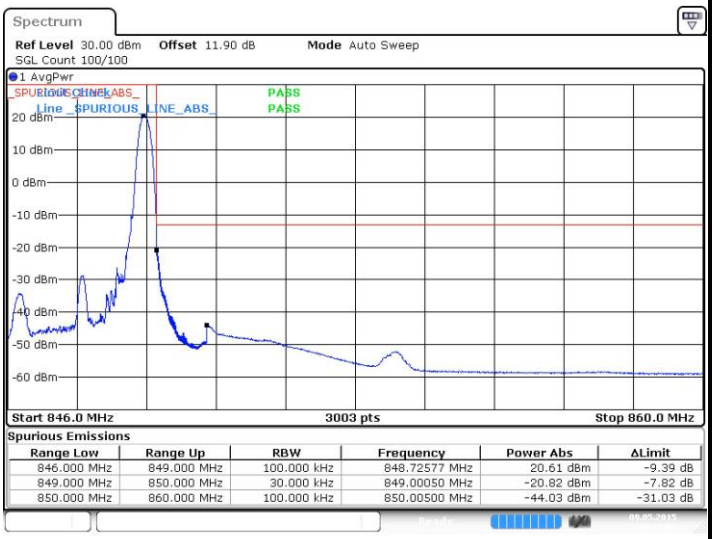
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



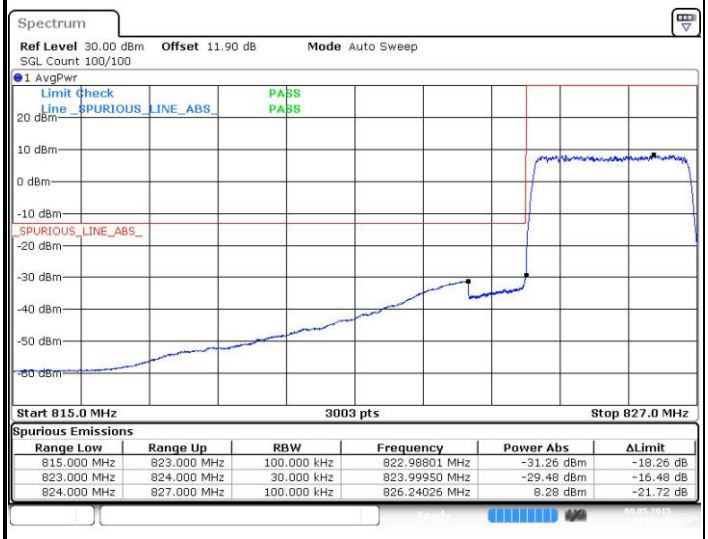
Date: 9.MAY.2015 08:07:01

Highest Band Edge /1 RB



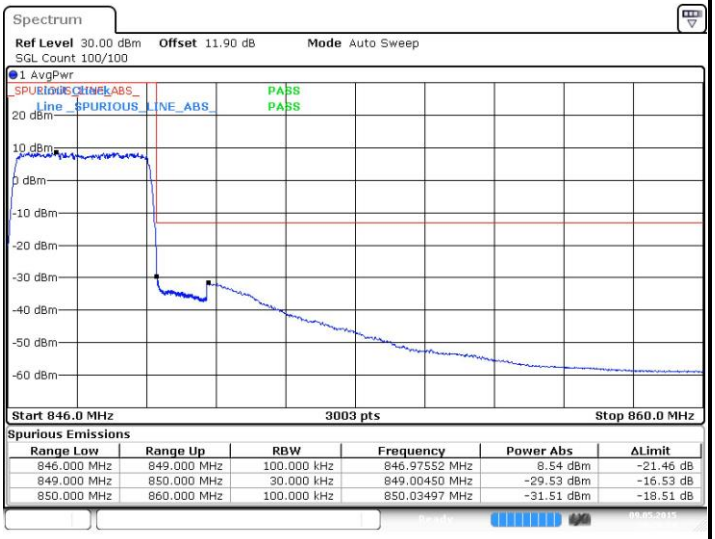
Date: 9.MAY.2015 08:18:04

Lowest Band Edge / Full RB

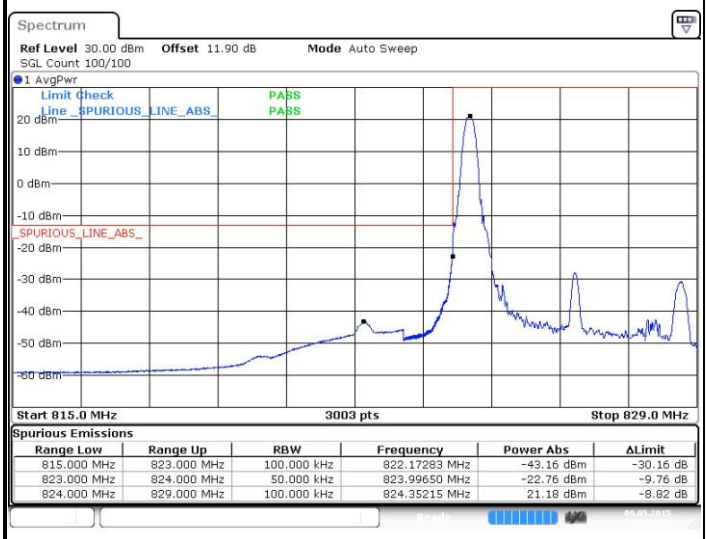
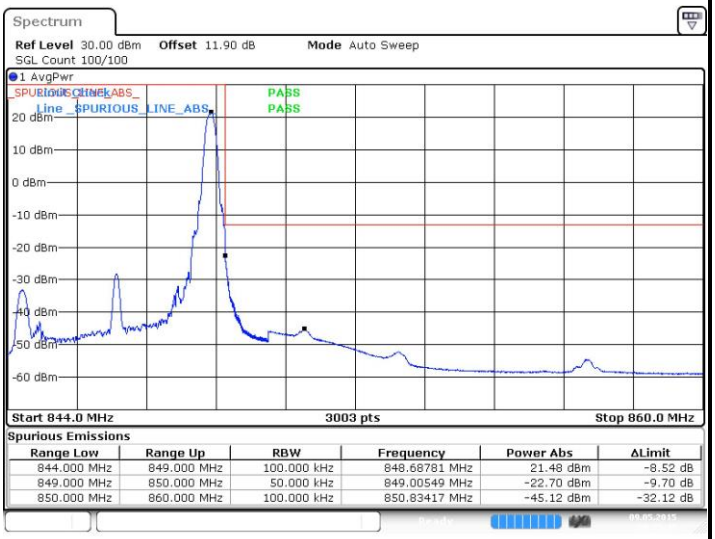
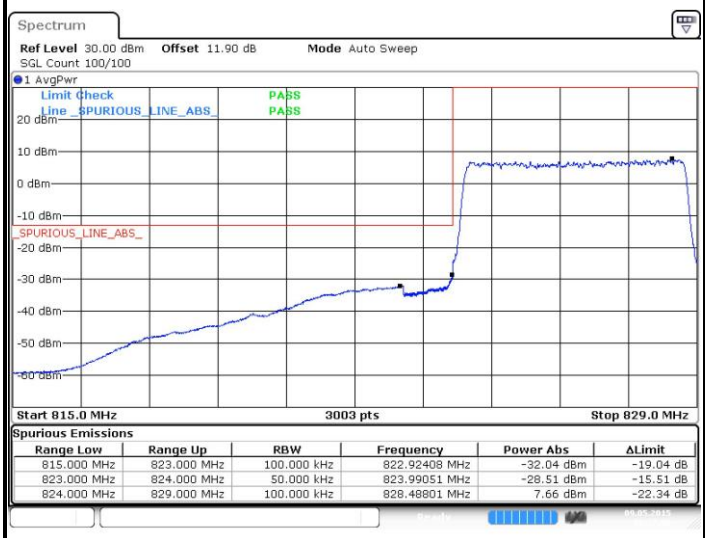
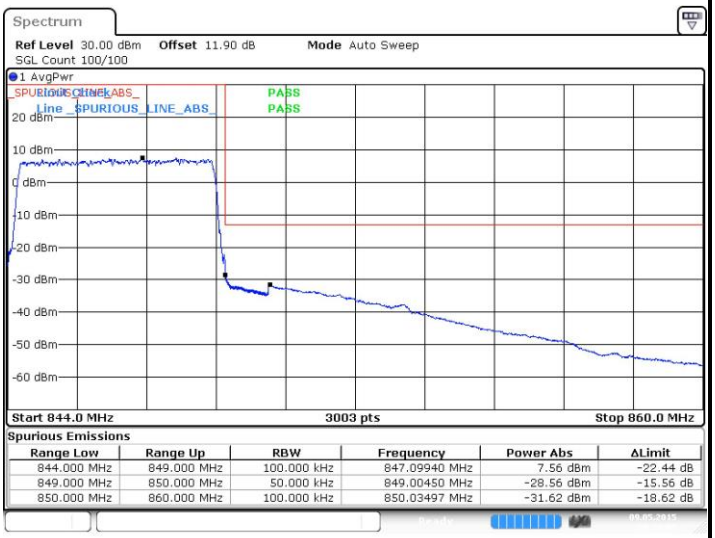


Date: 9.MAY.2015 08:09:20

Highest Band Edge / Full RB

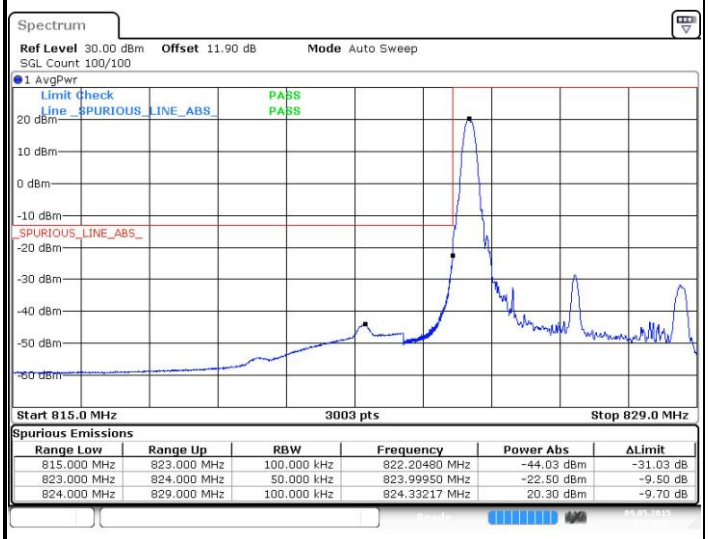


Date: 9.MAY.2015 08:20:24

LTE Band 5 / 5MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

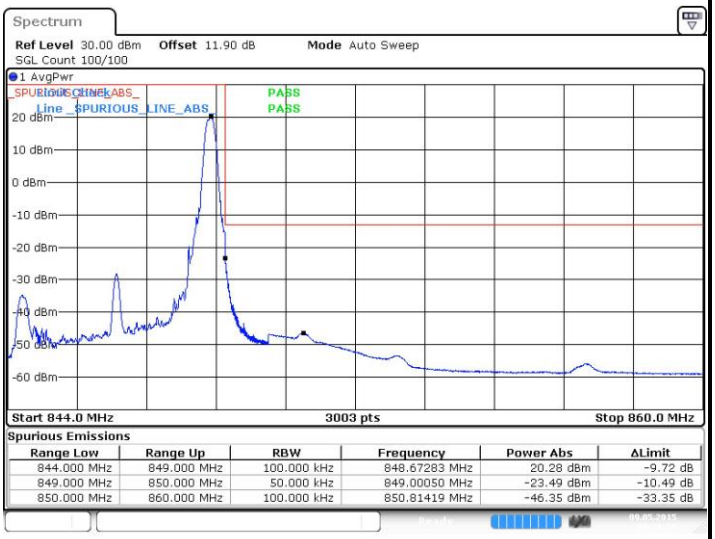


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.20480 MHz	-44.03 dBm	-31.03 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-22.50 dBm	-9.50 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.33217 MHz	20.30 dBm	-9.70 dB

Date: 9.MAY.2015 08:25:56

Highest Band Edge / 1 RB

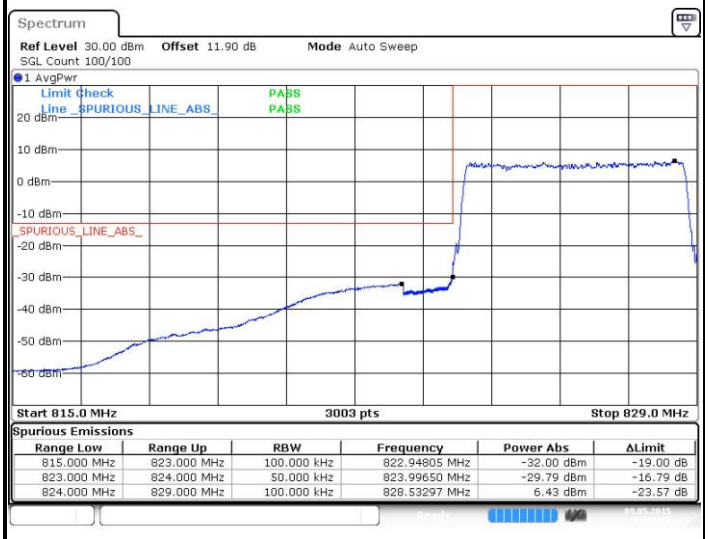


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.67283 MHz	20.28 dBm	-9.72 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-23.49 dBm	-10.49 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.81419 MHz	-46.35 dBm	-33.35 dB

Date: 9.MAY.2015 08:36:59

Lowest Band Edge / Full RB

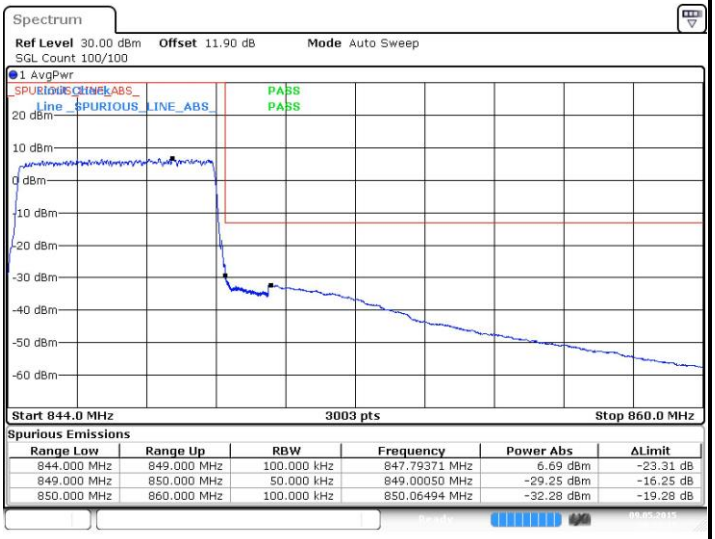


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94805 MHz	-32.00 dBm	-19.00 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99650 MHz	-29.79 dBm	-16.79 dB
824.000 MHz	829.000 MHz	100.000 kHz	828.53297 MHz	6.43 dBm	-23.57 dB

Date: 9.MAY.2015 08:28:16

Highest Band Edge / Full RB



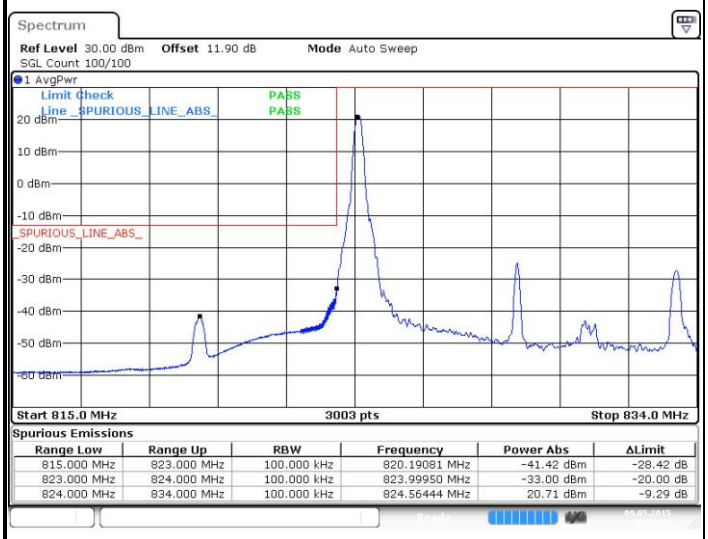
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	847.79371 MHz	6.69 dBm	-23.31 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-29.25 dBm	-16.25 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.06494 MHz	-32.28 dBm	-19.28 dB

Date: 9.MAY.2015 08:39:19

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

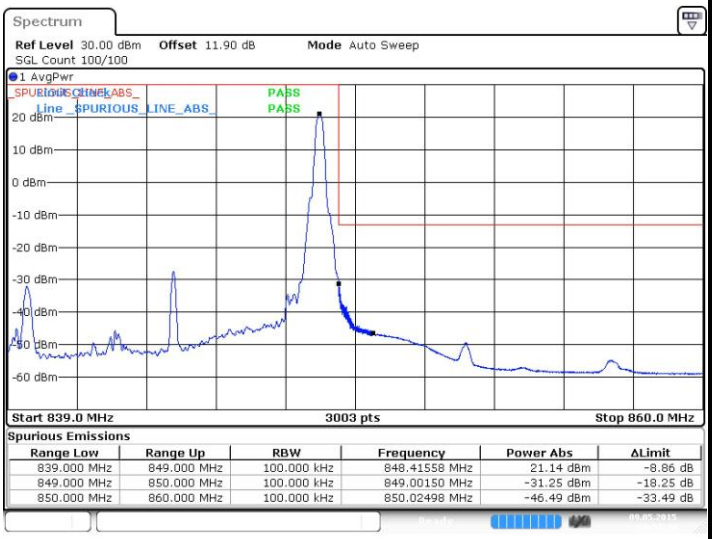


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.19081 MHz	-41.42 dBm	-28.42 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99950 MHz	-33.00 dBm	-20.00 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.56444 MHz	20.71 dBm	-9.29 dB

Date: 9.MAY.2015 08:43:41

Highest Band Edge / 1 RB

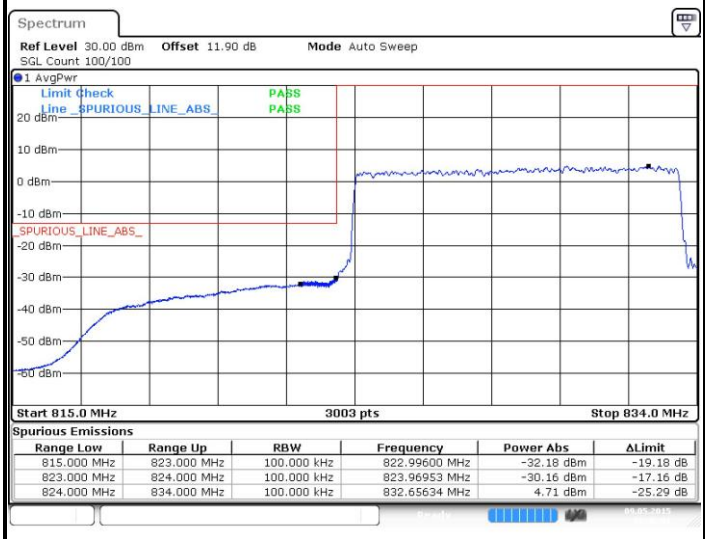


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.41558 MHz	21.14 dBm	-8.86 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00150 MHz	-31.25 dBm	-18.25 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-46.49 dBm	-33.49 dB

Date: 9.MAY.2015 08:54:44

Lowest Band Edge / Full RB

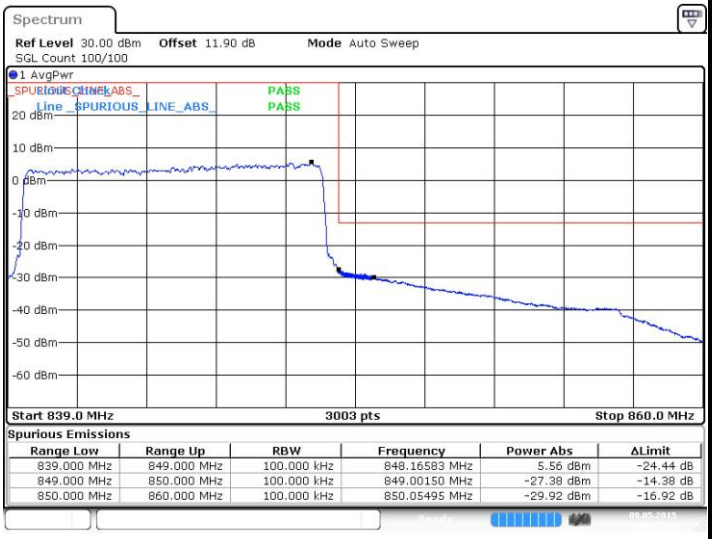


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-32.18 dBm	-19.18 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.96953 MHz	-30.16 dBm	-17.16 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.65634 MHz	4.71 dBm	-25.29 dB

Date: 9.MAY.2015 08:46:00

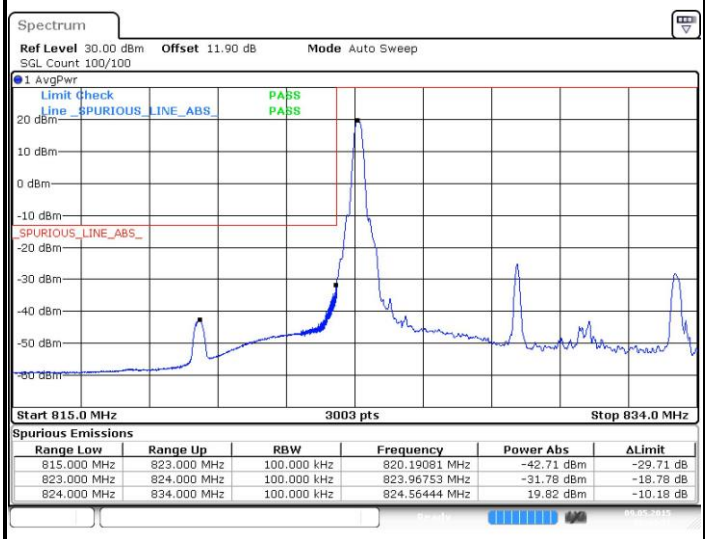
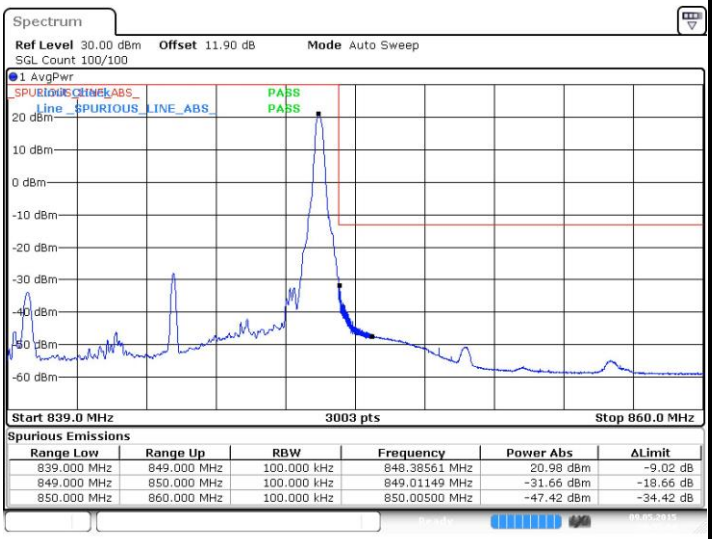
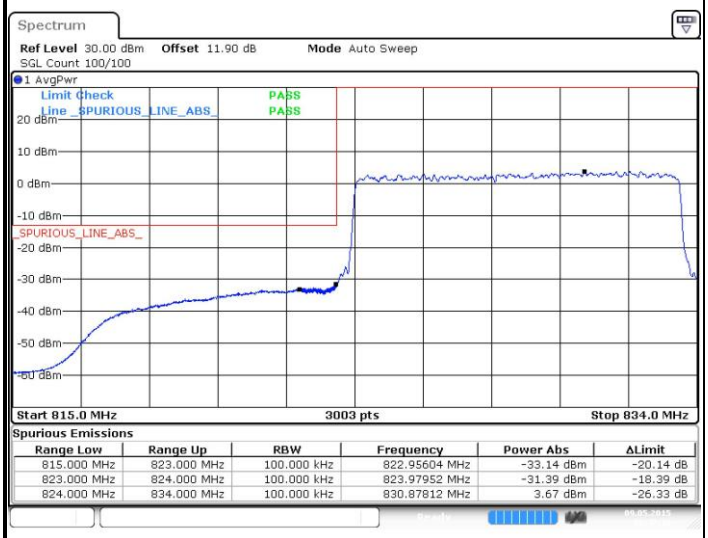
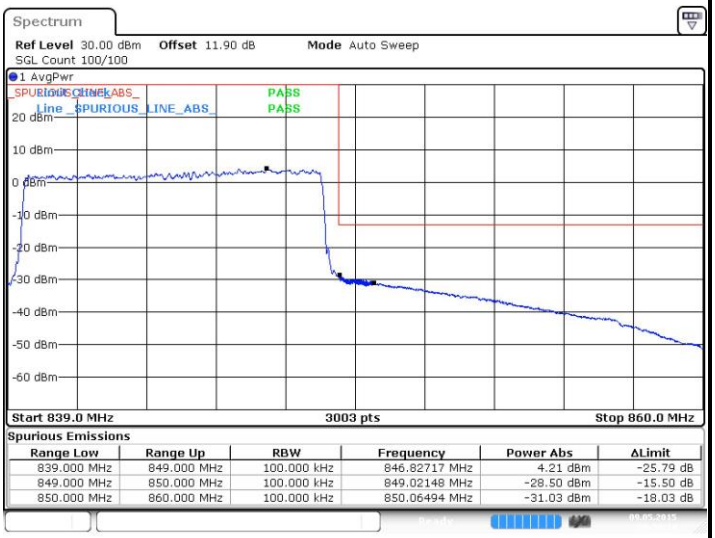
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.16583 MHz	5.56 dBm	-24.44 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00150 MHz	-27.38 dBm	-14.38 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-29.92 dBm	-16.92 dB

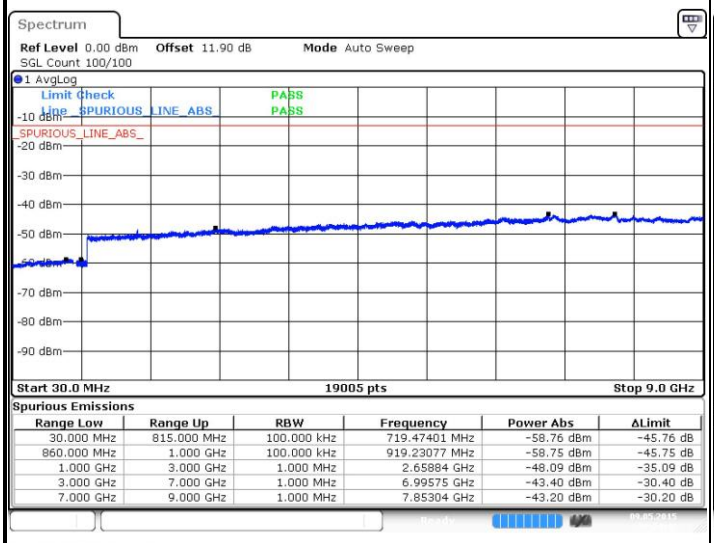
Date: 9.MAY.2015 08:57:04

LTE Band 5 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

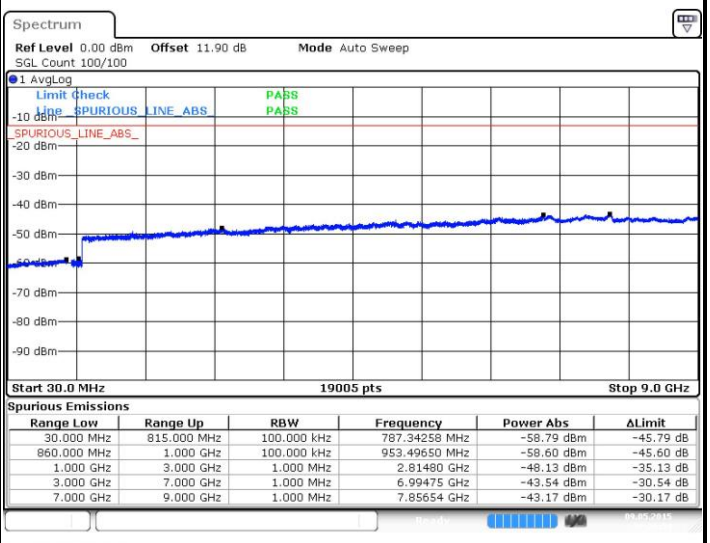


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	719.47401 MHz	-58.76 dBm	-45.76 dB
860.000 MHz	1.000 GHz	100.000 kHz	919.23077 MHz	-58.75 dBm	-45.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.65884 GHz	-48.09 dBm	-35.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-43.40 dBm	-30.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85304 GHz	-43.20 dBm	-30.20 dB

Date: 9.MAY.2015 09:24:42

Lowest Channel / 16QAM

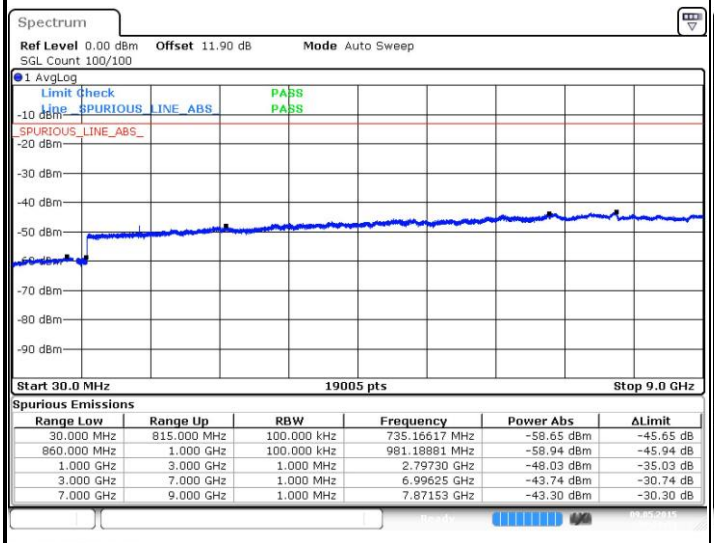


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	787.34258 MHz	-58.79 dBm	-45.79 dB
860.000 MHz	1.000 GHz	100.000 kHz	953.49650 MHz	-58.60 dBm	-45.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81480 GHz	-48.13 dBm	-35.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-43.54 dBm	-30.54 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85654 GHz	-43.17 dBm	-30.17 dB

Date: 9.MAY.2015 09:25:54

Middle Channel / QPSK

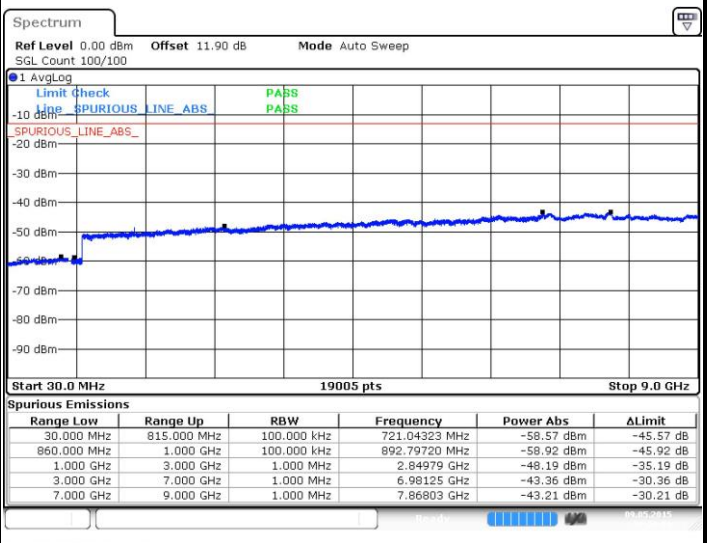


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	735.16617 MHz	-58.65 dBm	-45.65 dB
860.000 MHz	1.000 GHz	100.000 kHz	981.18881 MHz	-58.94 dBm	-45.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.79730 GHz	-48.03 dBm	-35.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-43.74 dBm	-30.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.87153 GHz	-43.30 dBm	-30.30 dB

Date: 9.MAY.2015 09:27:54

Middle Channel / 16QAM



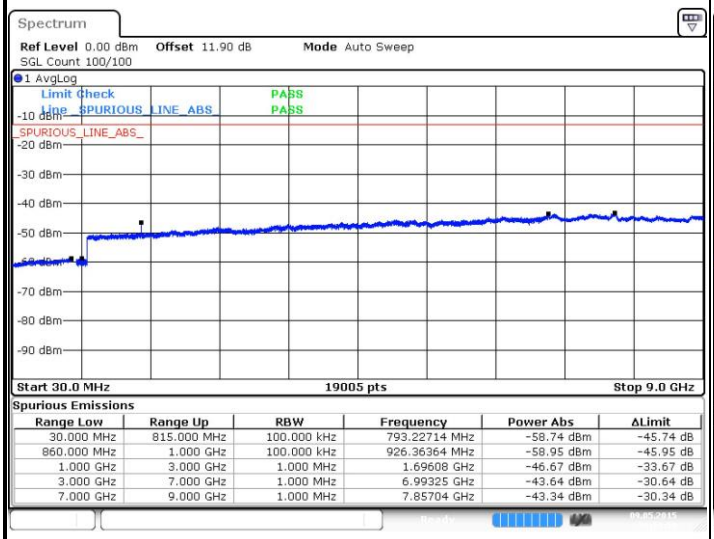
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	721.04323 MHz	-58.57 dBm	-45.57 dB
860.000 MHz	1.000 GHz	100.000 kHz	892.79720 MHz	-58.92 dBm	-45.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84979 GHz	-48.19 dBm	-35.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98125 GHz	-43.36 dBm	-30.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86803 GHz	-43.21 dBm	-30.21 dB

Date: 9.MAY.2015 09:29:06

LTE Band 5 / 1.4MHz

Highest Channel / QPSK

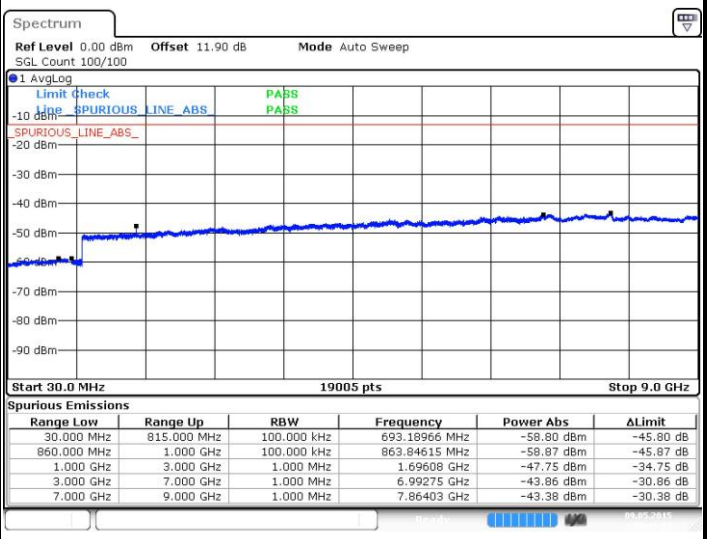


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	793.22714 MHz	-58.74 dBm	-45.74 dB
860.000 MHz	1.000 GHz	100.000 kHz	926.36364 MHz	-58.95 dBm	-45.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-46.67 dBm	-33.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-43.64 dBm	-30.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.34 dBm	-30.34 dB

Date: 9.MAY.2015 09:39:50

Highest Channel / 16QAM



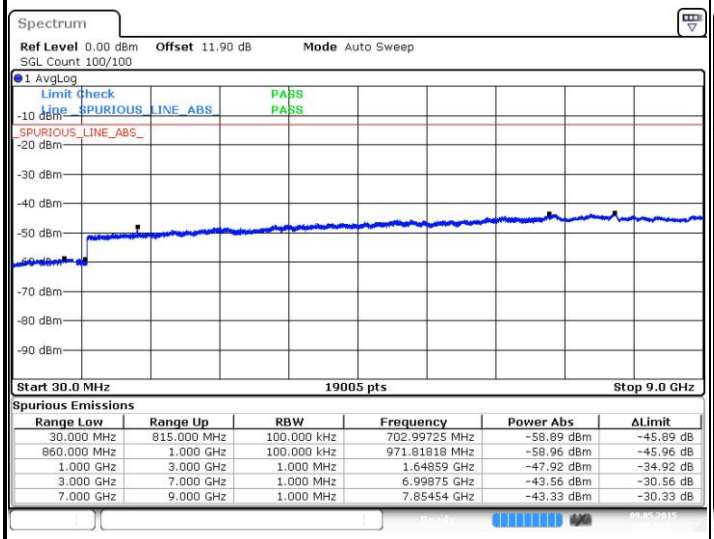
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	693.18966 MHz	-58.80 dBm	-45.80 dB
860.000 MHz	1.000 GHz	100.000 kHz	863.84615 MHz	-58.87 dBm	-45.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-47.75 dBm	-34.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-43.86 dBm	-30.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86403 GHz	-43.38 dBm	-30.38 dB

Date: 9.MAY.2015 09:41:02

LTE Band 5 / 3MHz

Lowest Channel / QPSK

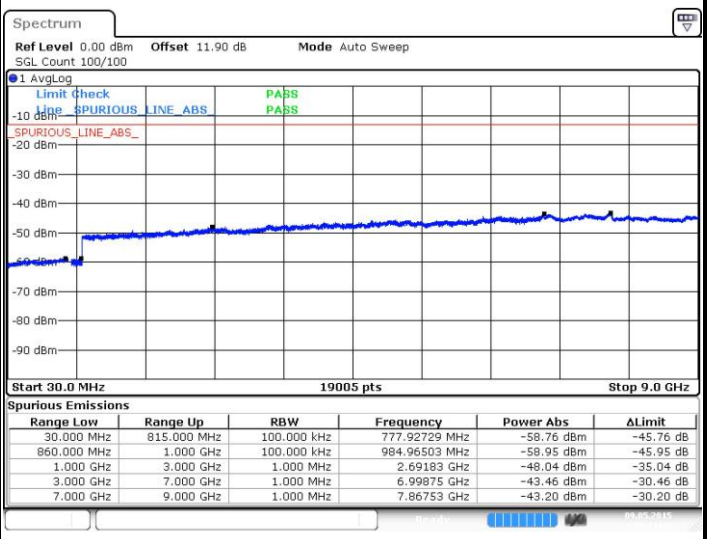


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	702.99725 MHz	-58.89 dBm	-45.89 dB
860.000 MHz	1.000 GHz	100.000 kHz	971.81818 MHz	-58.96 dBm	-45.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-47.92 dBm	-34.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-43.56 dBm	-30.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85454 GHz	-43.33 dBm	-30.33 dB

Date: 9.MAY.2015 08:10:33

Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	777.92729 MHz	-58.76 dBm	-45.76 dB
860.000 MHz	1.000 GHz	100.000 kHz	984.96503 MHz	-58.95 dBm	-45.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.69183 GHz	-48.04 dBm	-35.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-43.46 dBm	-30.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86753 GHz	-43.20 dBm	-30.20 dB

Date: 9.MAY.2015 08:11:45