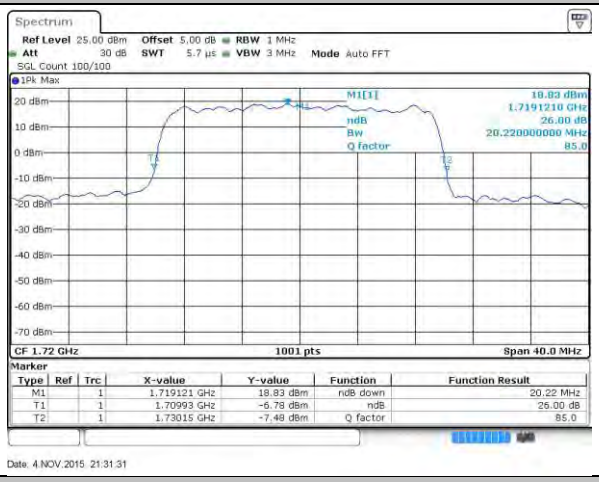
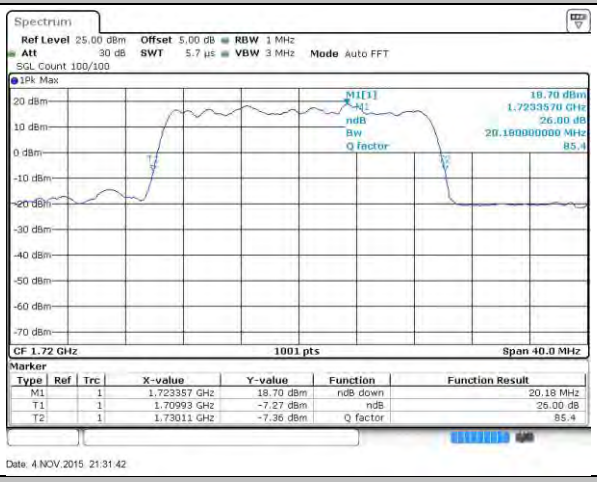
LTE Band 4

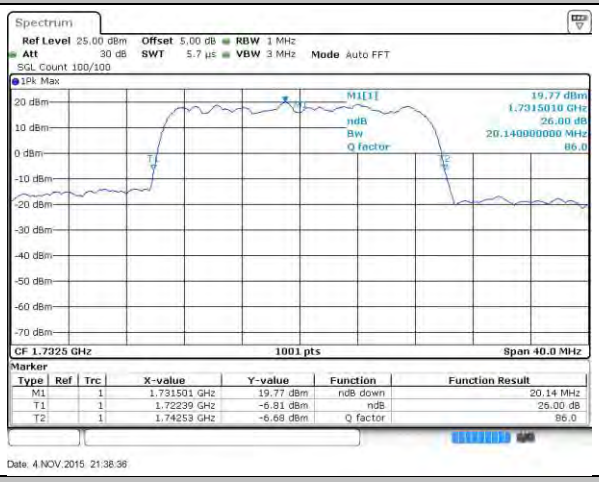
Lowest Channel / 20MHz / QPSK



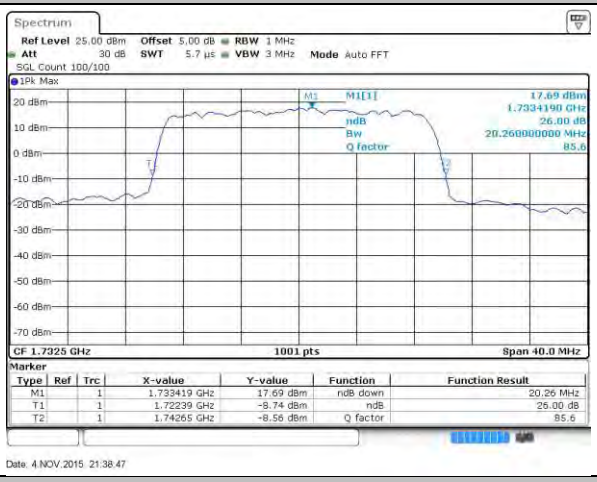
Lowest Channel / 20MHz / 16QAM



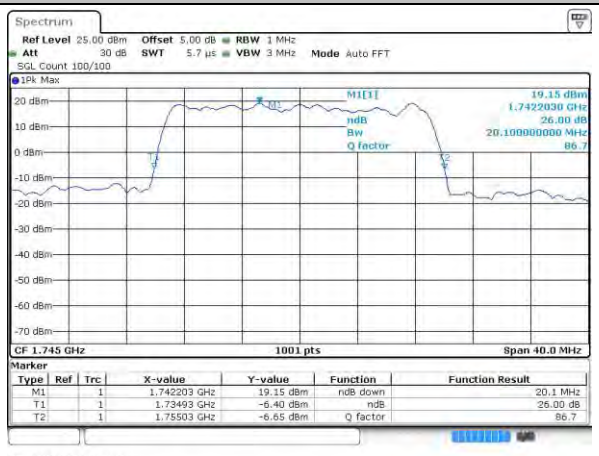
Middle Channel / 20MHz / QPSK



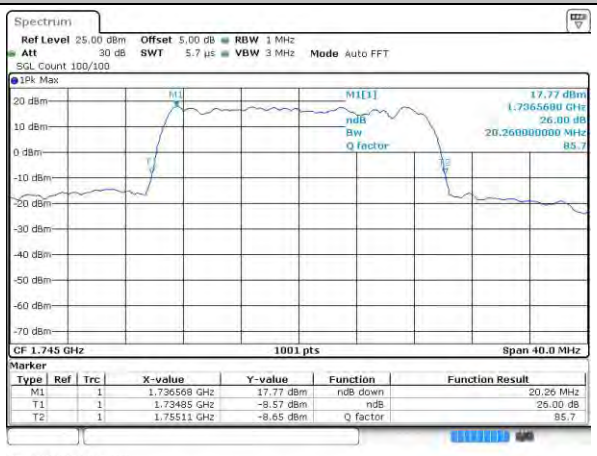
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

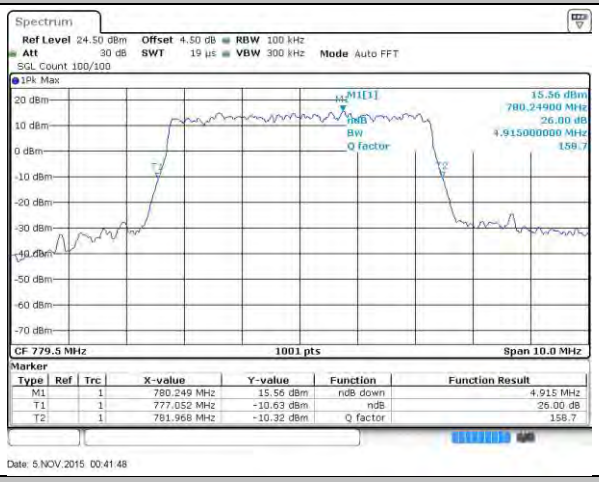


Highest Channel / 20MHz / 16QAM

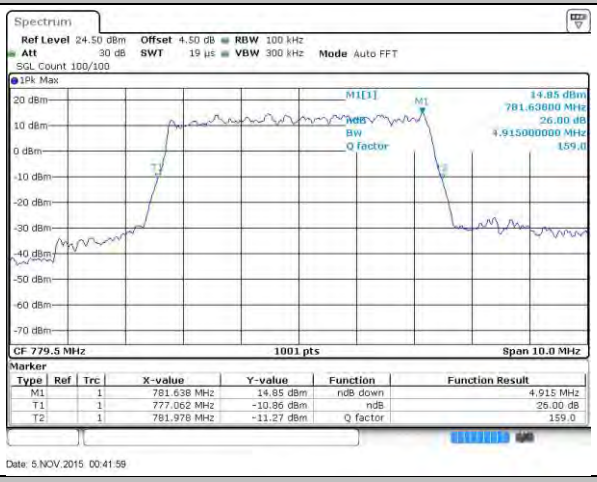


LTE Band 13

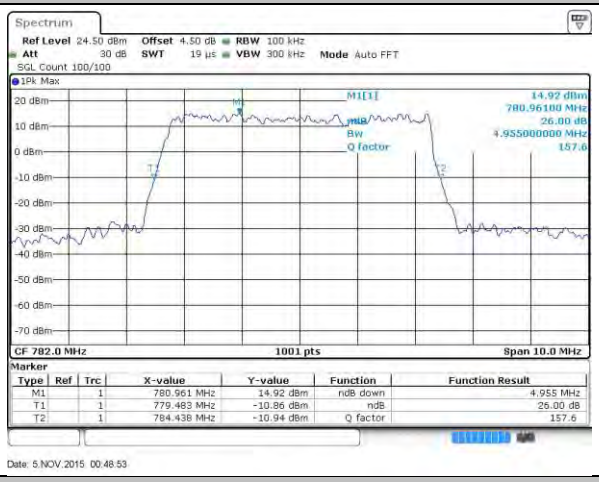
Lowest Channel / 5MHz / QPSK



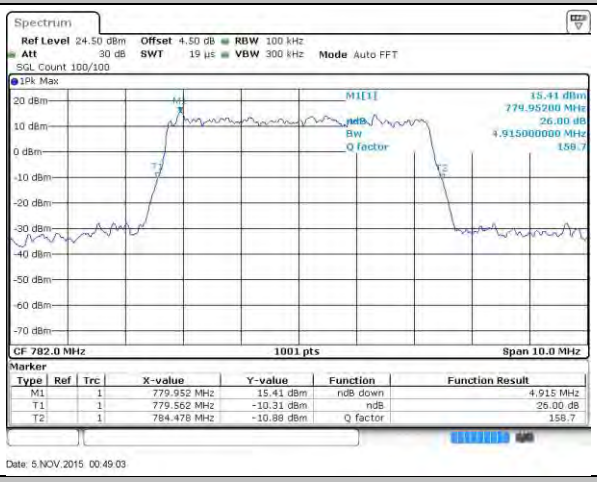
Lowest Channel / 5MHz / 16QAM



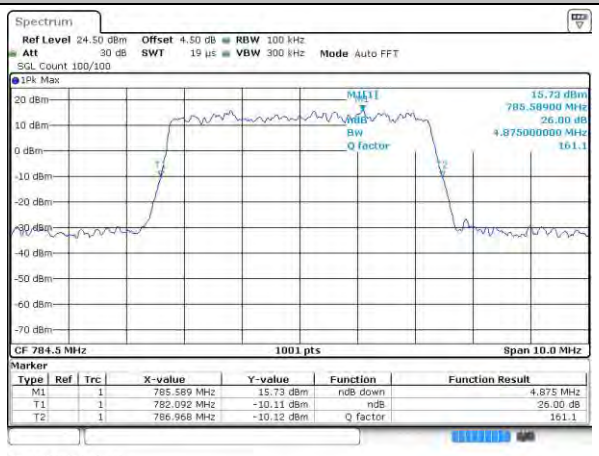
Middle Channel / 5MHz / QPSK



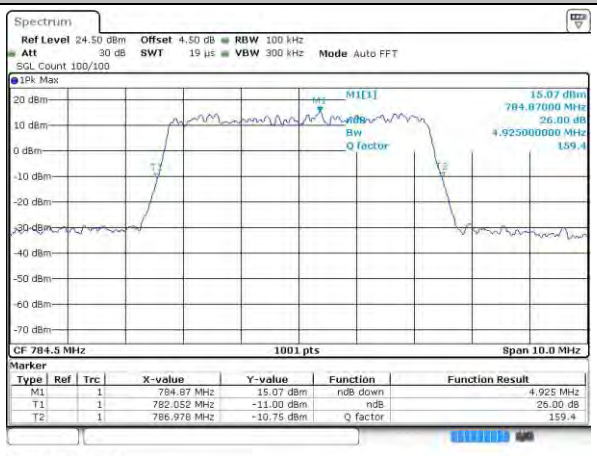
Middle Channel / 5MHz / 16QAM

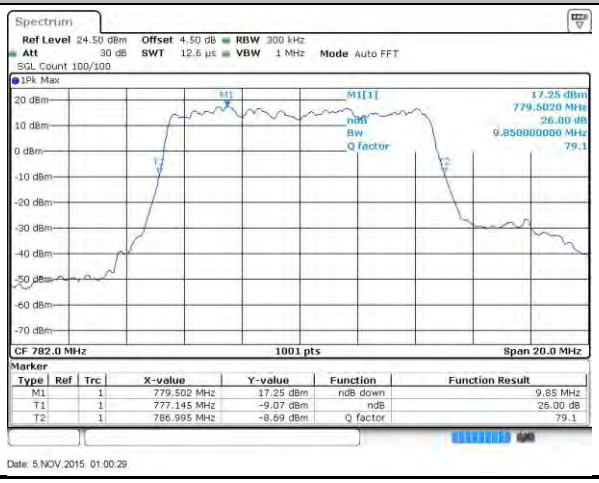
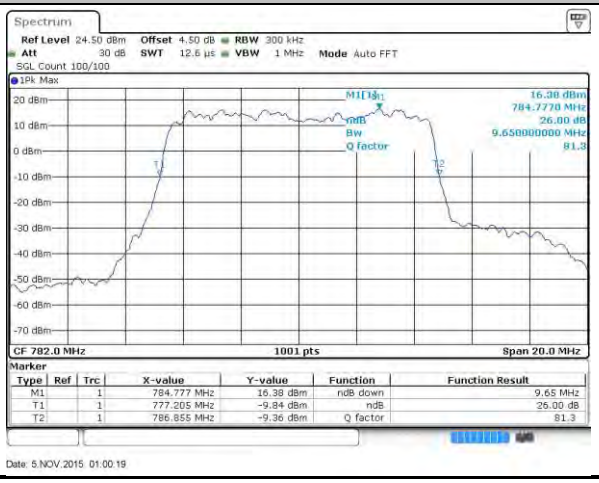


Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM



LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

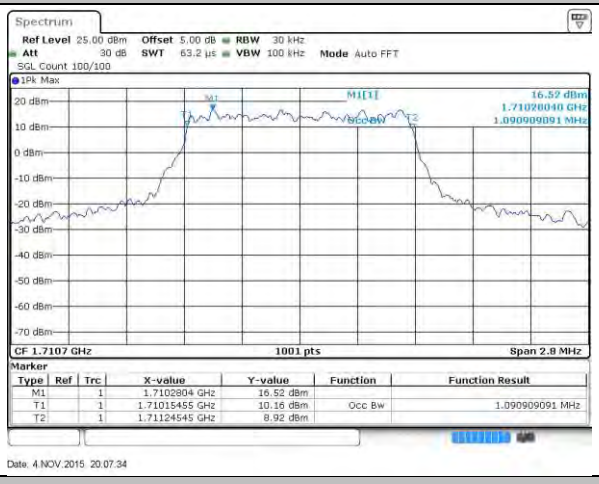
Occupied Bandwidth

Mode	LTE Band 4 : 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	1.09	1.10	2.71	2.72	4.51	4.50	9.07	9.09	13.43	13.46	18.42	18.18
Middle CH	1.10	1.09	2.73	2.72	4.49	4.48	9.09	9.03	13.46	13.40	18.30	18.42
Highest CH	1.09	1.10	2.72	2.73	4.49	4.50	9.05	9.01	13.49	13.46	18.38	18.50

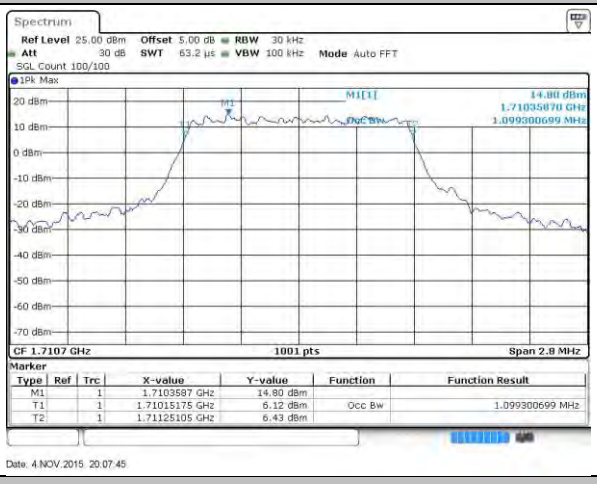
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.50	4.51	9.01	8.97	-	-	-	-
Highest CH	-	-	-	-	4.49	4.48	-	-	-	-	-	-

LTE Band 4

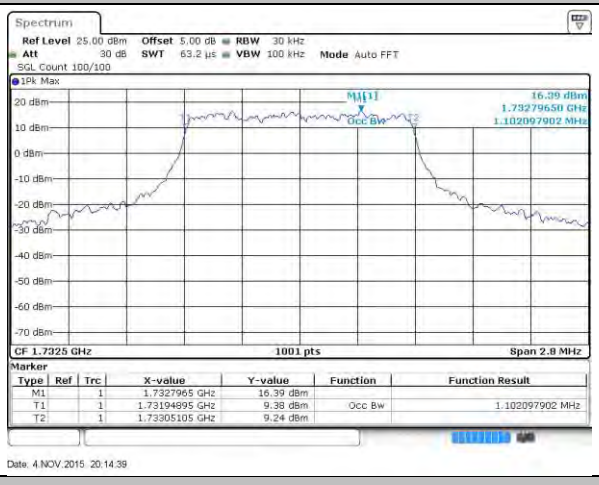
Lowest Channel / 1.4MHz / QPSK



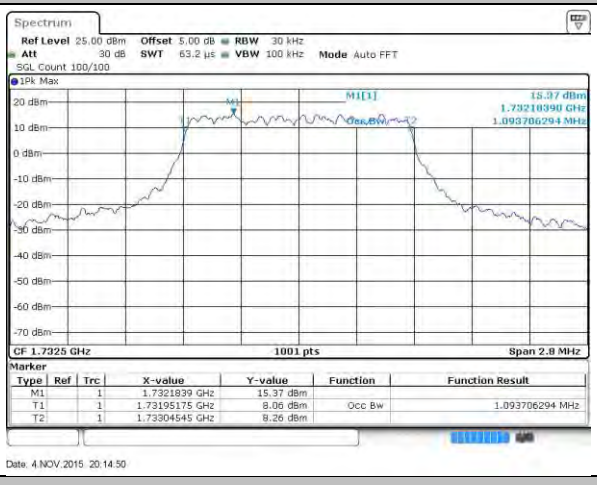
Lowest Channel / 1.4MHz / 16QAM



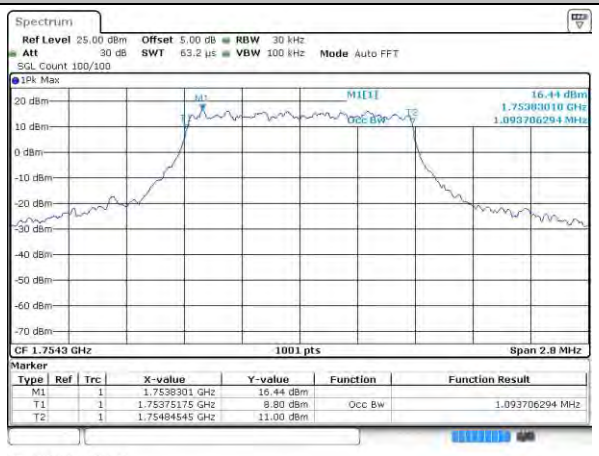
Middle Channel / 1.4MHz / QPSK



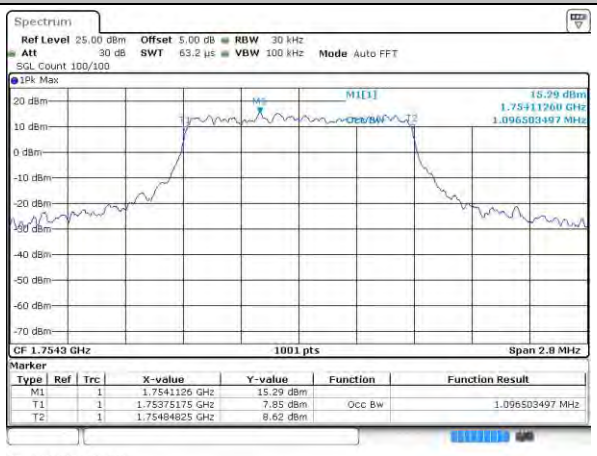
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

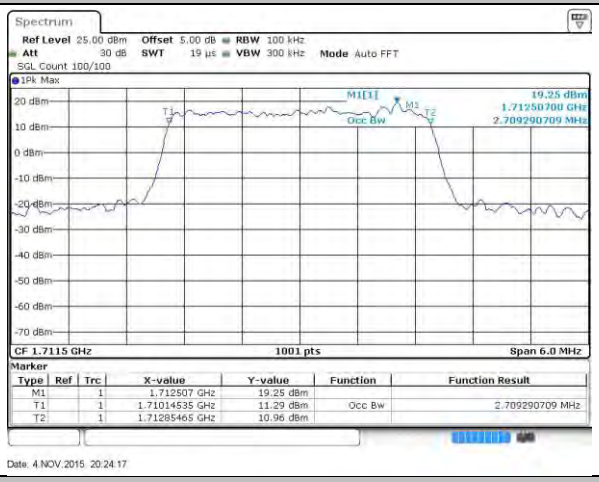


Highest Channel / 1.4MHz / 16QAM

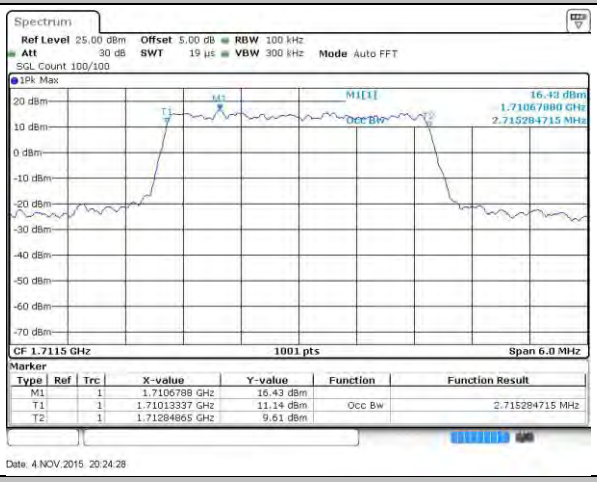


LTE Band 4

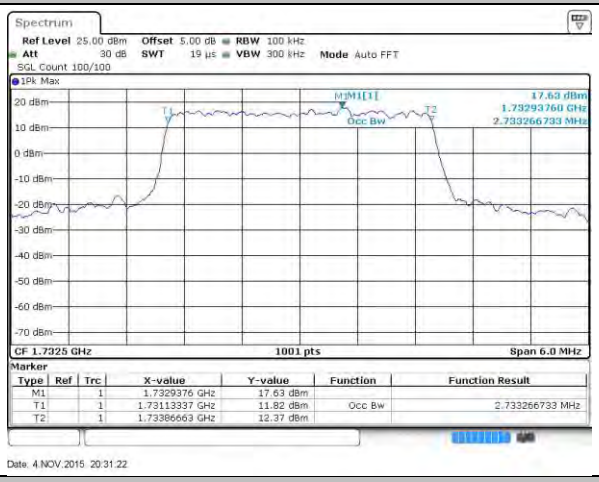
Lowest Channel / 3MHz / QPSK



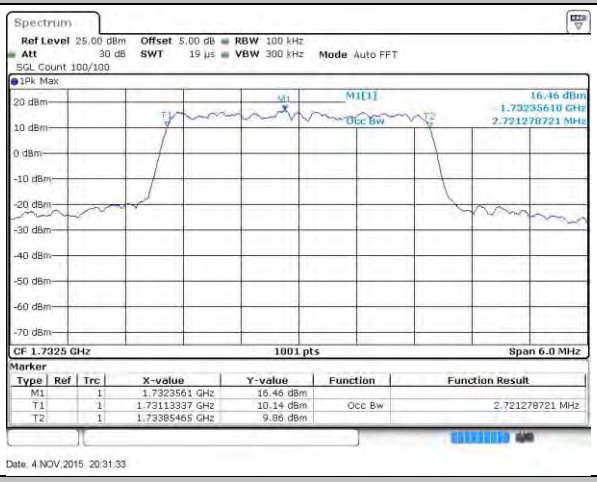
Lowest Channel / 3MHz / 16QAM



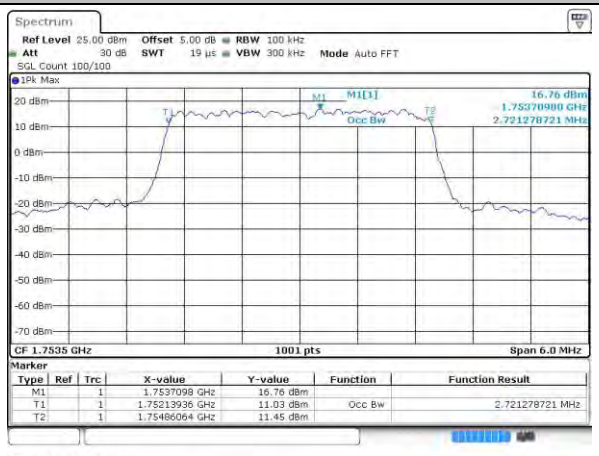
Middle Channel / 3MHz / QPSK



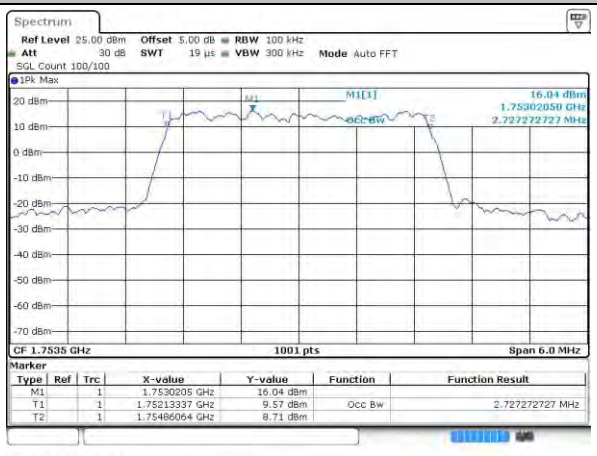
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

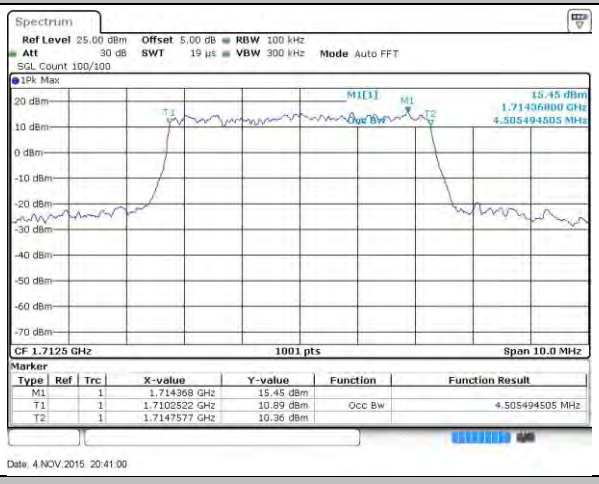


Highest Channel / 3MHz / 16QAM

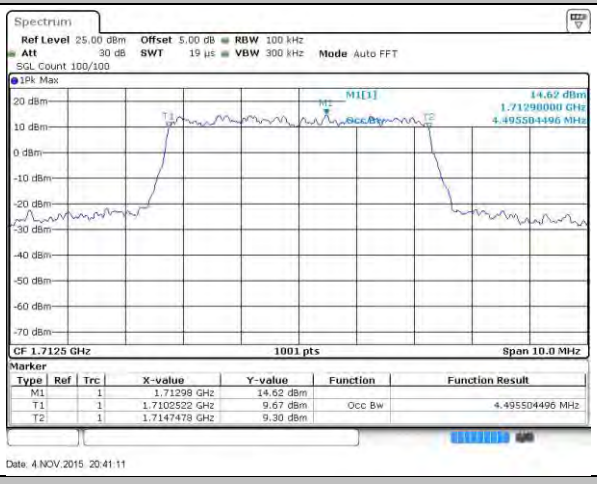


LTE Band 4

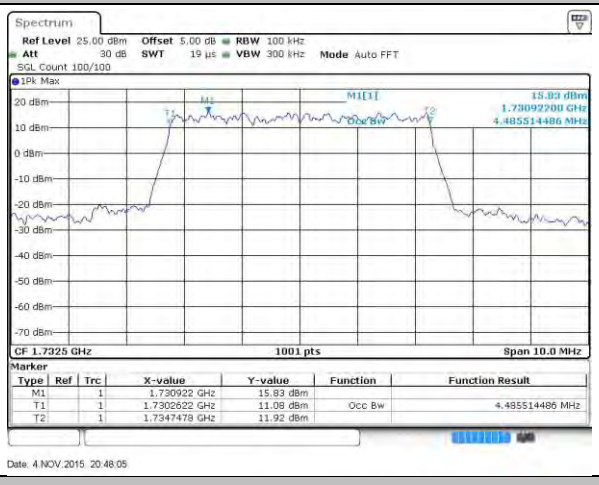
Lowest Channel / 5MHz / QPSK



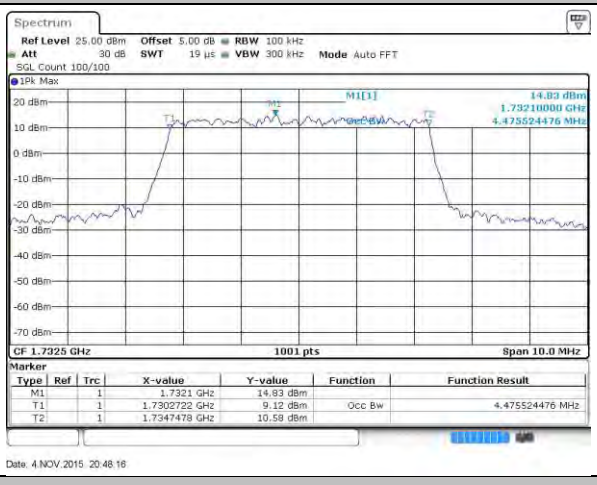
Lowest Channel / 5MHz / 16QAM



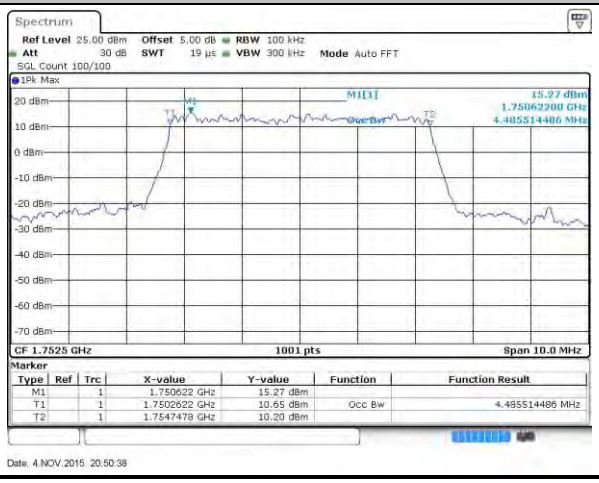
Middle Channel / 5MHz / QPSK



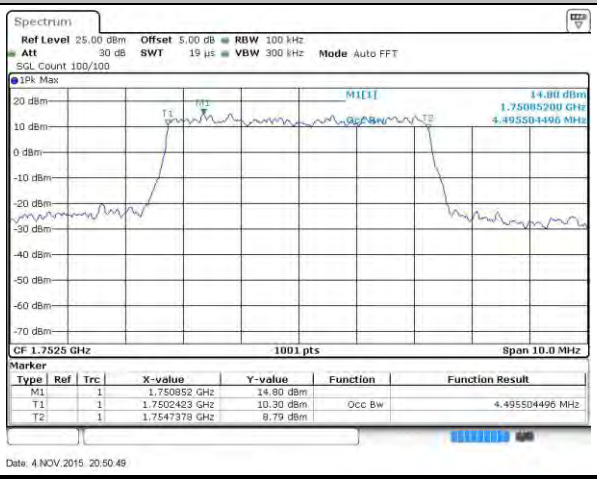
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

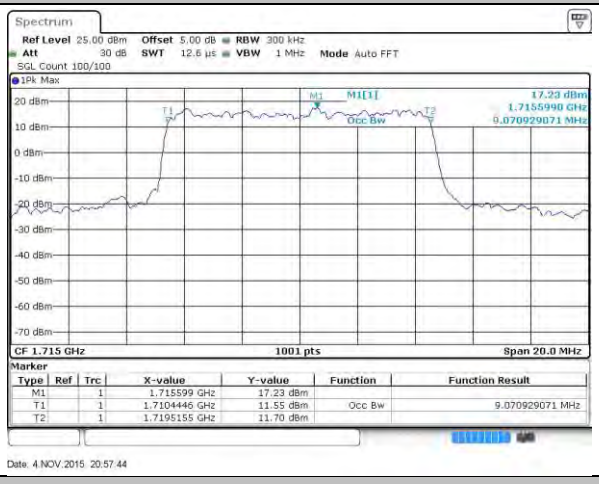


Highest Channel / 5MHz / 16QAM

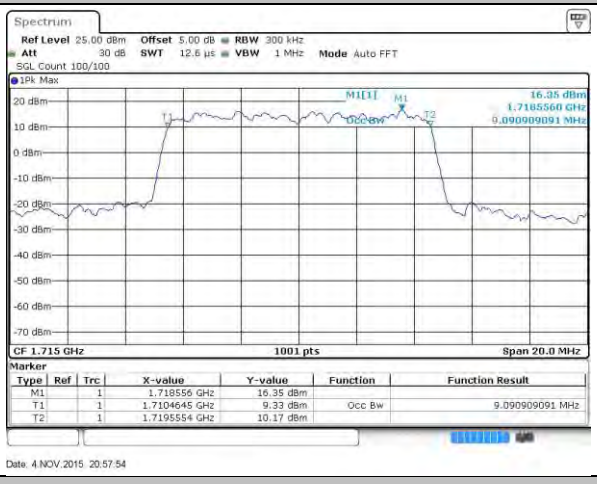


LTE Band 4

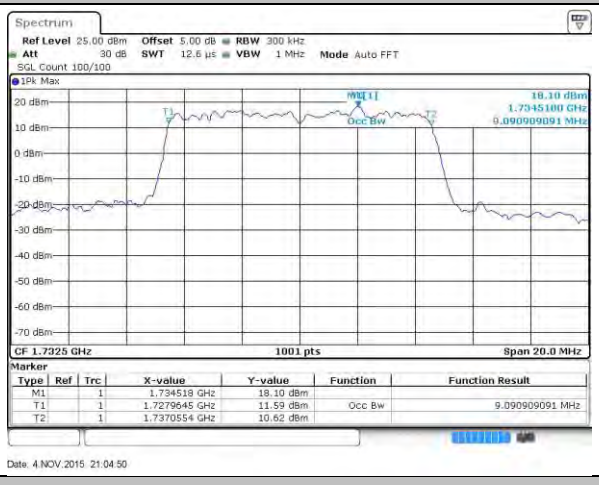
Lowest Channel / 10MHz / QPSK



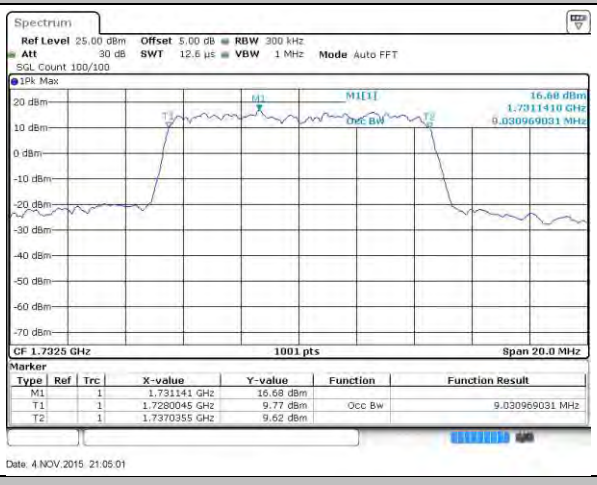
Lowest Channel / 10MHz / 16QAM



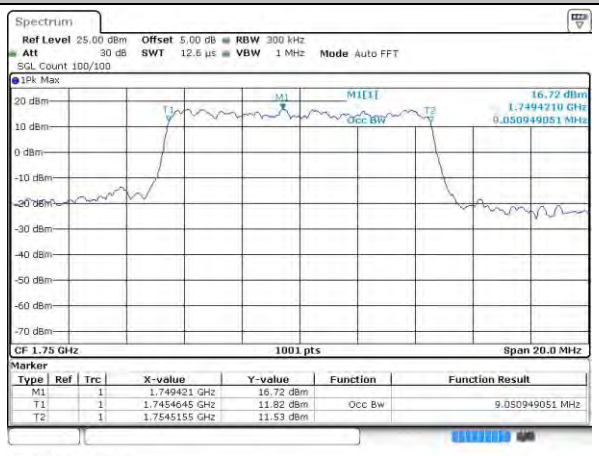
Middle Channel / 10MHz / QPSK



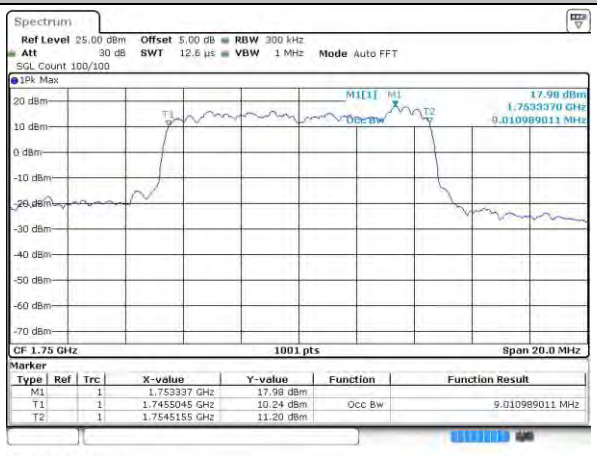
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

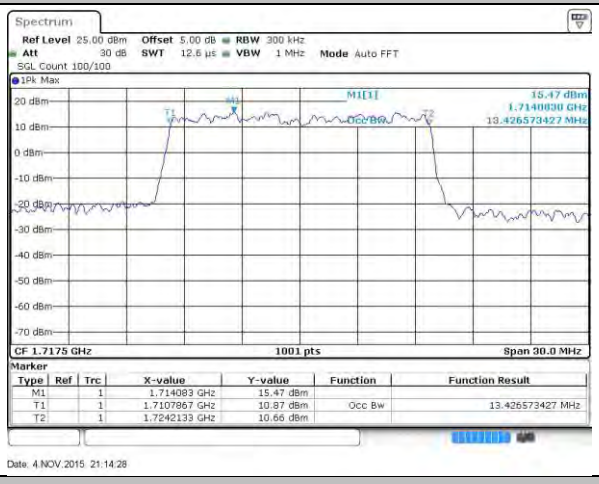


Highest Channel / 10MHz / 16QAM

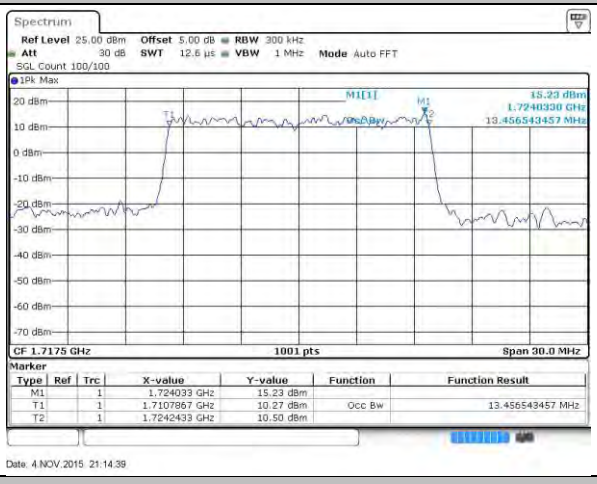


LTE Band 4

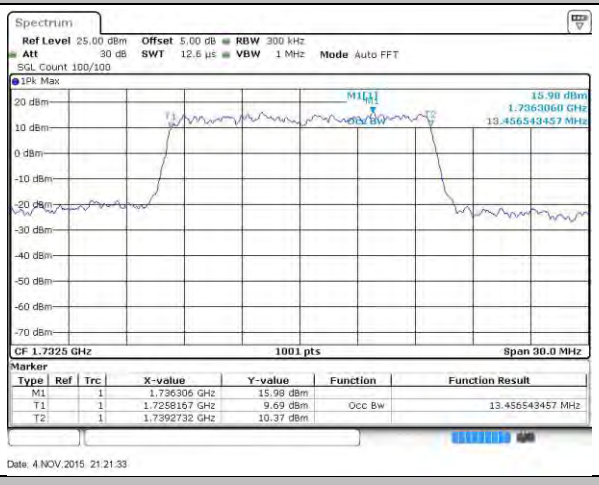
Lowest Channel / 15MHz / QPSK



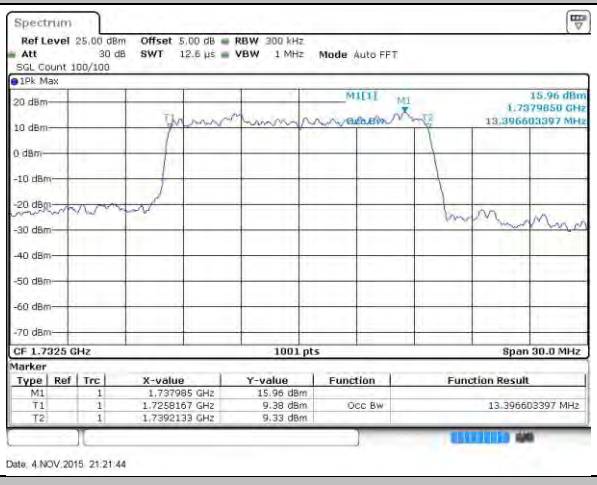
Lowest Channel / 15MHz / 16QAM



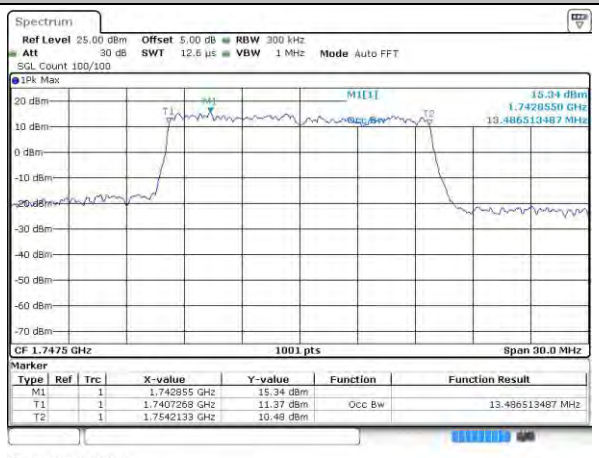
Middle Channel / 15MHz / QPSK



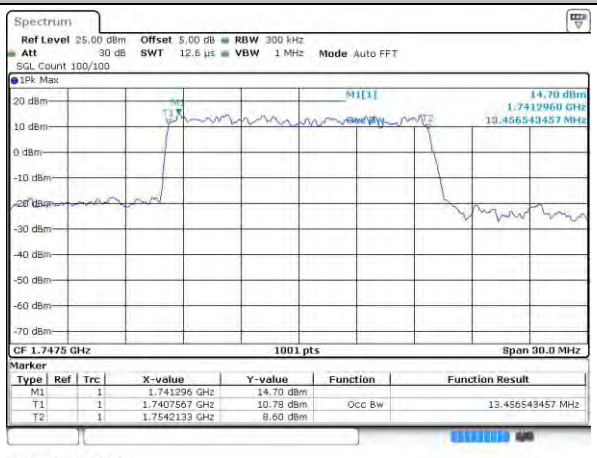
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

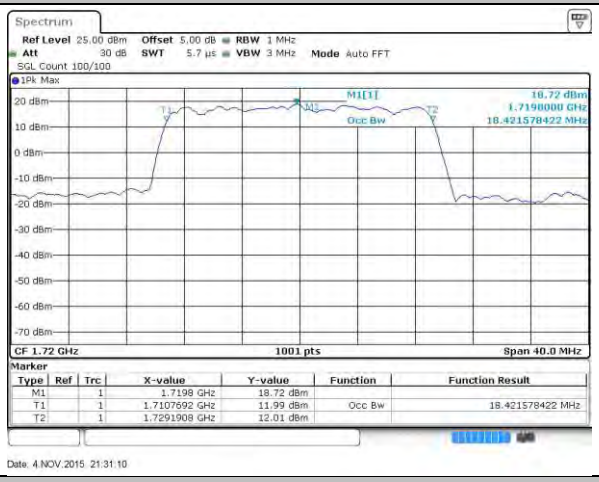


Highest Channel / 15MHz / 16QAM

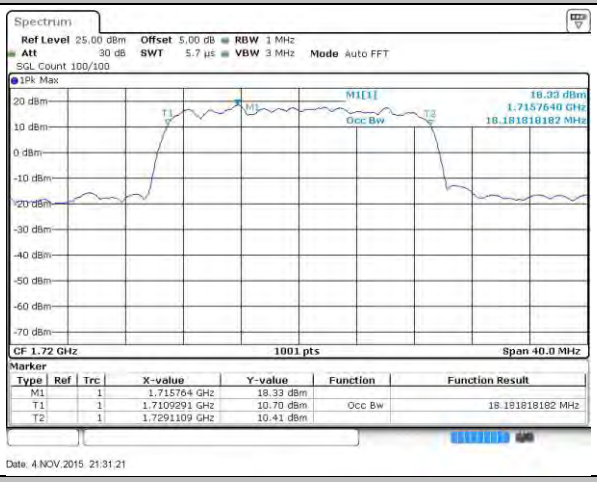


LTE Band 4

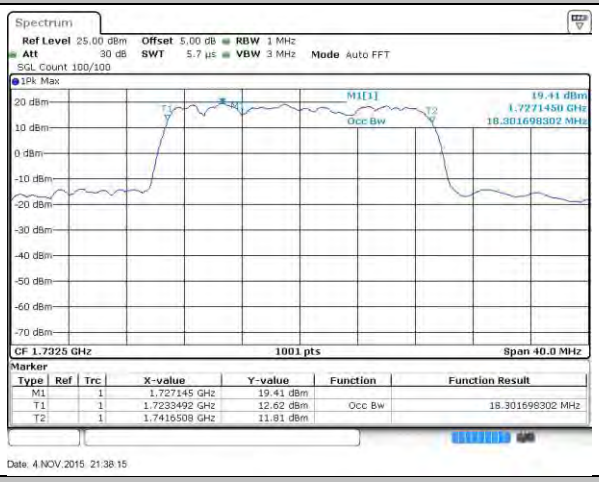
Lowest Channel / 20MHz / QPSK



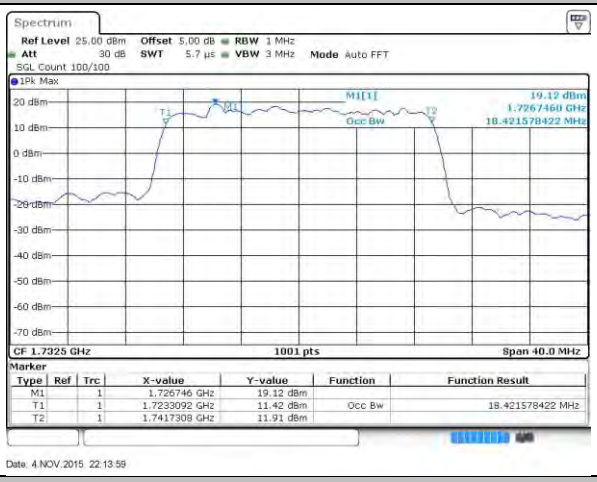
Lowest Channel / 20MHz / 16QAM



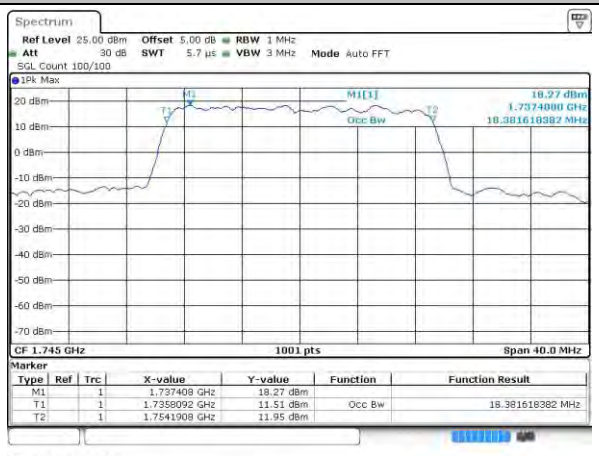
Middle Channel / 20MHz / QPSK



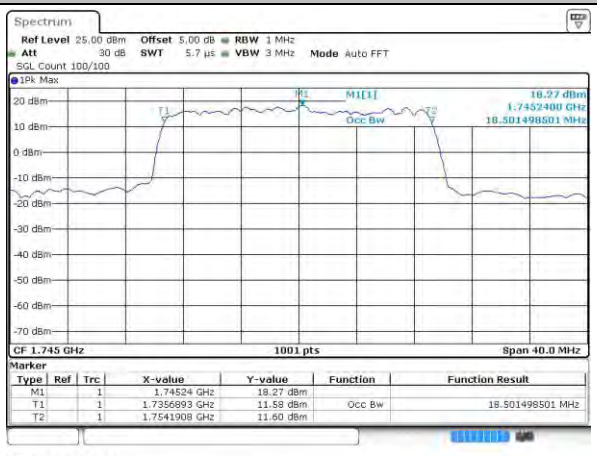
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

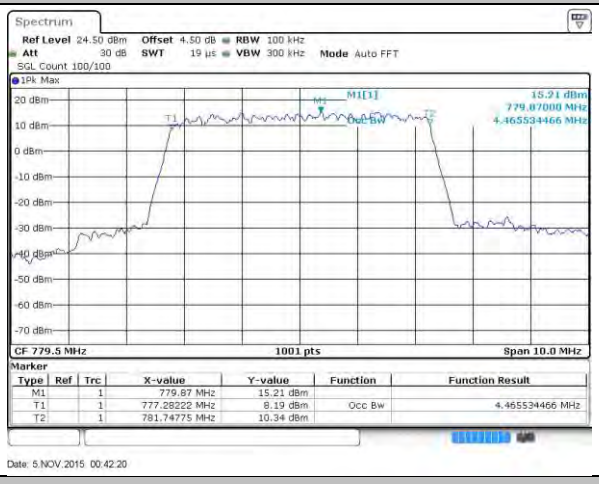


Highest Channel / 20MHz / 16QAM

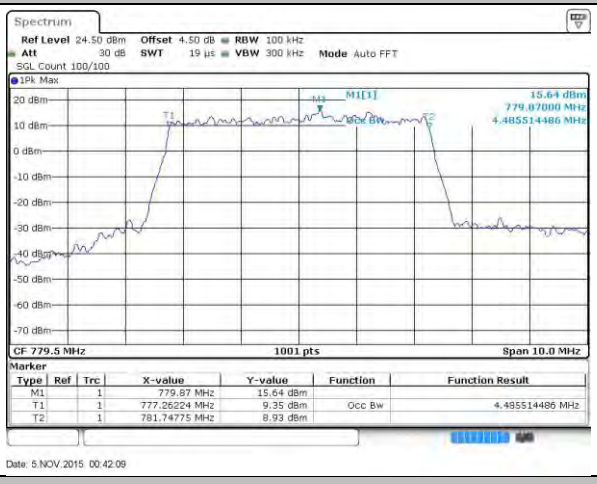


LTE Band 13

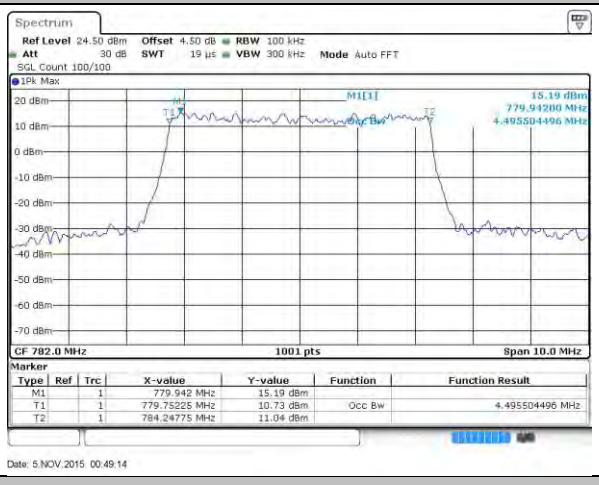
Lowest Channel / 5MHz / QPSK



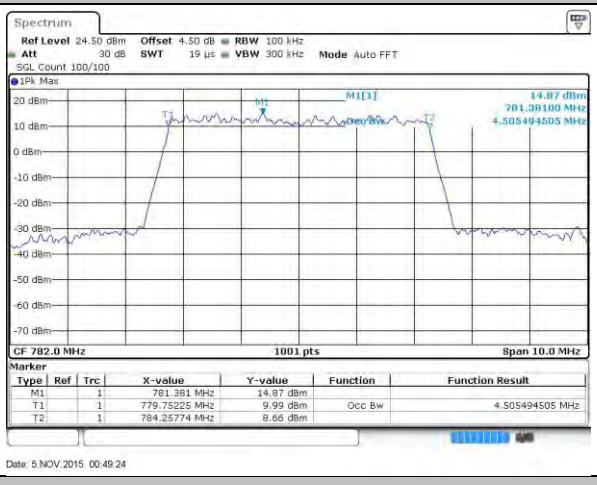
Lowest Channel / 5MHz / 16QAM



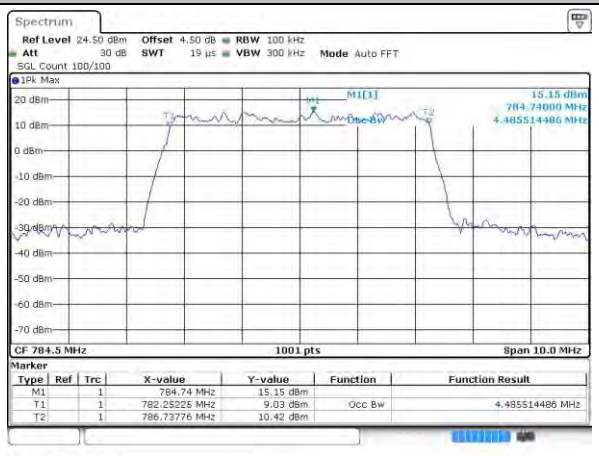
Middle Channel / 5MHz / QPSK



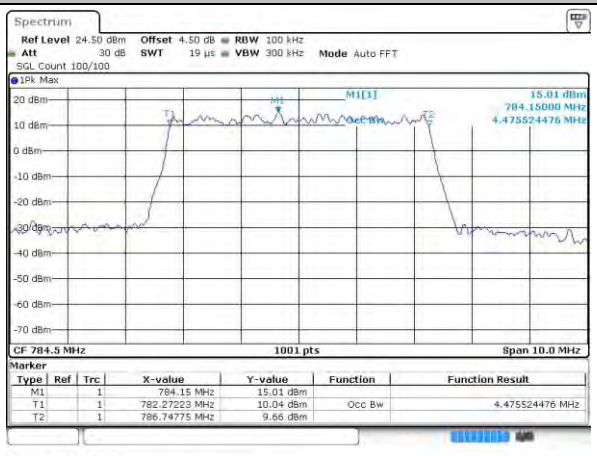
Middle Channel / 5MHz / 16QAM

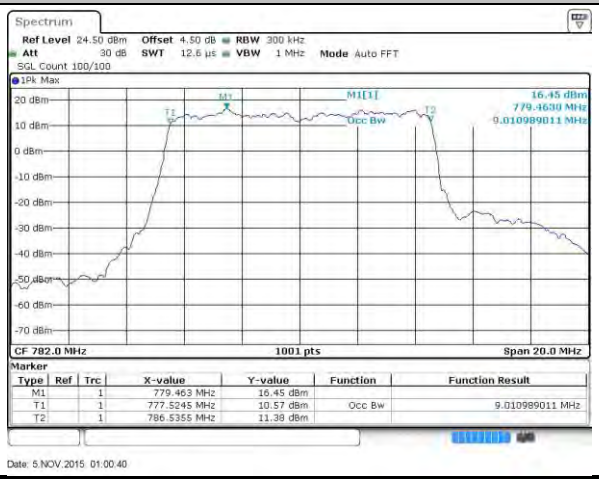
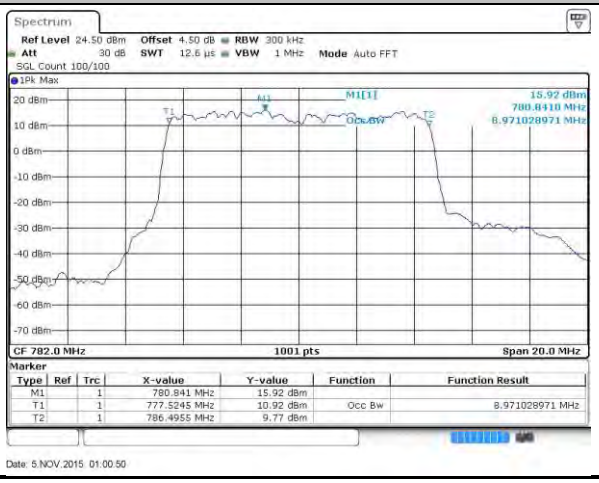


Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

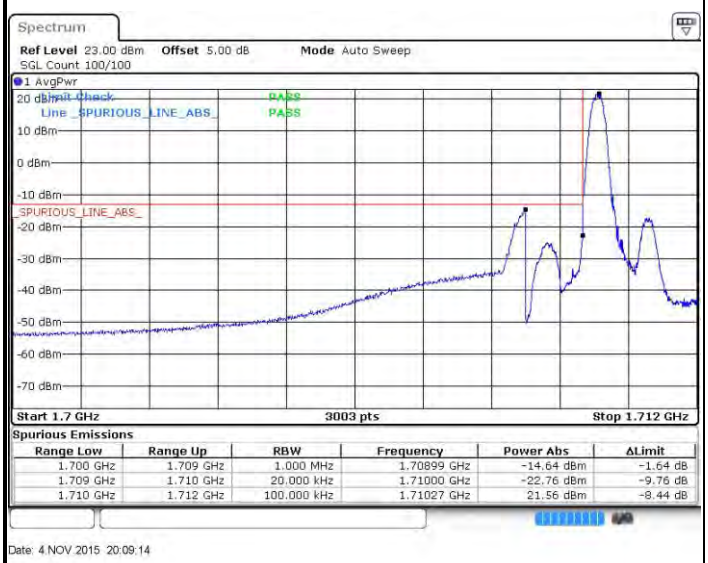


LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

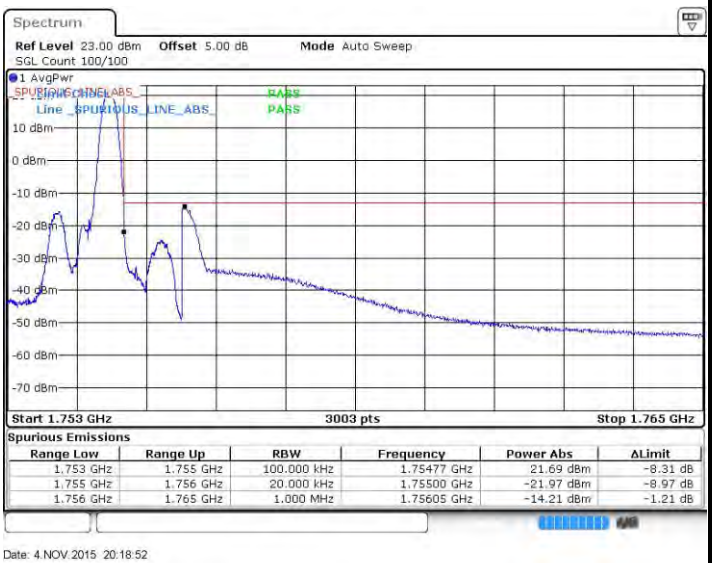


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-14.64 dBm	-1.64 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-22.76 dBm	-9.76 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71027 GHz	21.56 dBm	-8.44 dB

Date: 4.NOV.2015 20:09:14

Highest Band Edge / 1RB

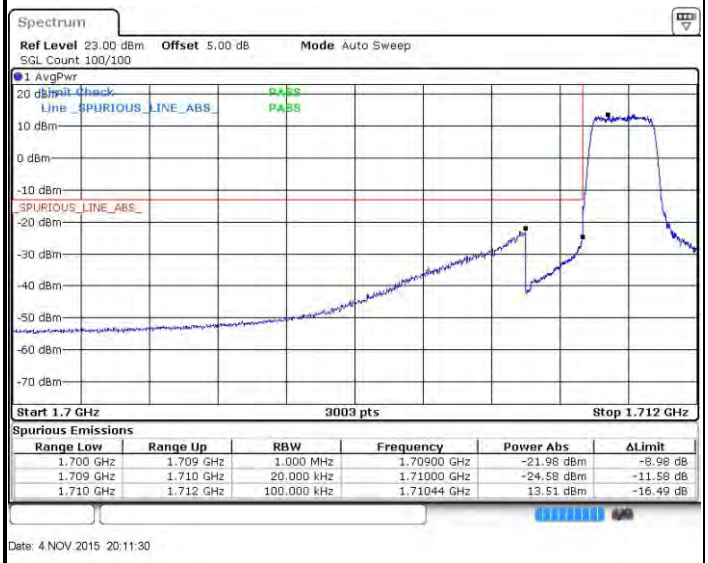


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	21.69 dBm	-8.31 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-21.97 dBm	-8.97 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-14.21 dBm	-1.21 dB

Date: 4.NOV.2015 20:18:52

Lowest Band Edge / Full RB

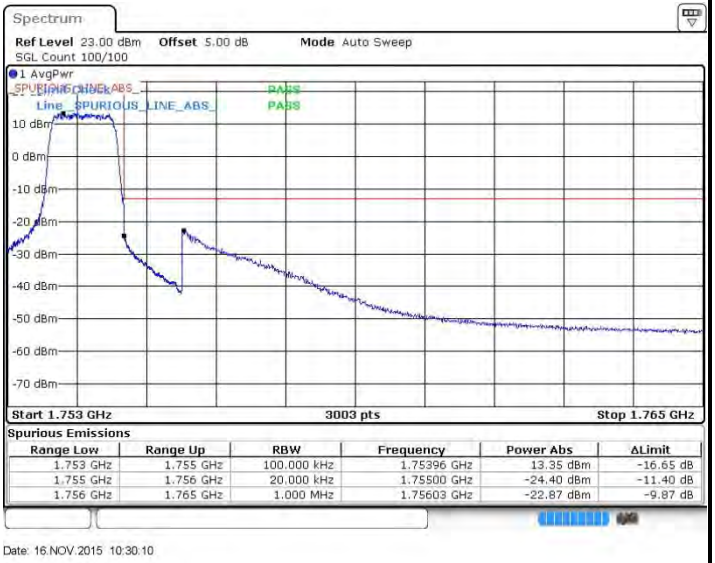


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-21.98 dBm	-8.98 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-24.58 dBm	-11.58 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71044 GHz	13.51 dBm	-16.49 dB

Date: 4.NOV.2015 20:11:30

Highest Band Edge / Full RB



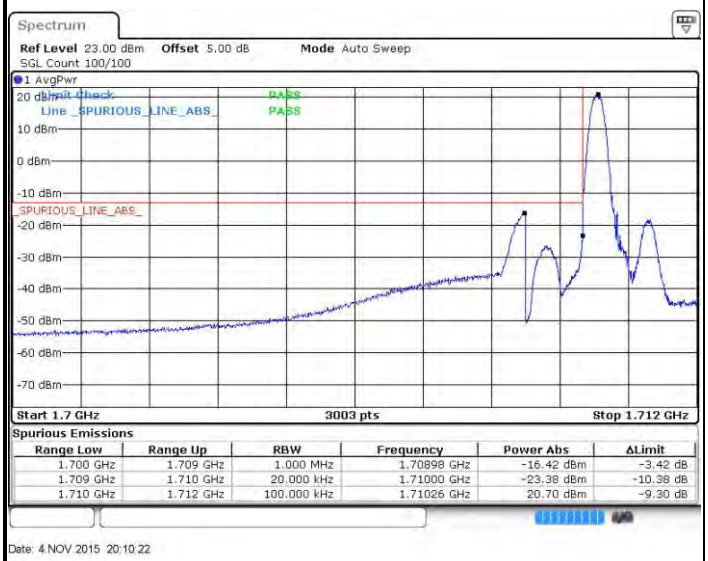
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75396 GHz	13.35 dBm	-16.65 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-24.40 dBm	-11.40 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-22.87 dBm	-9.87 dB

Date: 16.NOV.2015 10:30:10

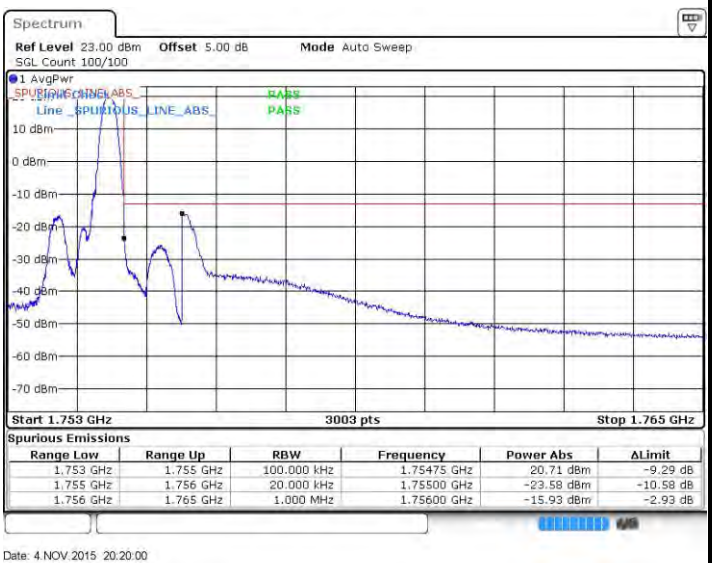
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



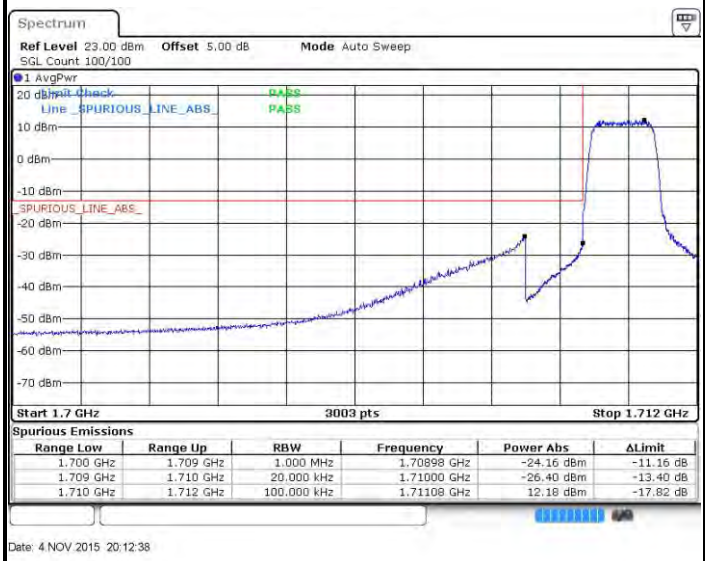
Date: 4.NOV.2015 20:10:22

Highest Band Edge / 1 RB



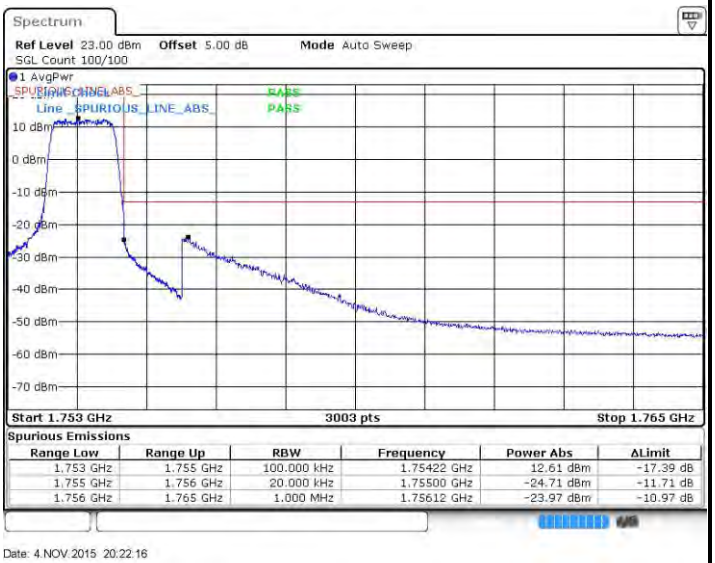
Date: 4.NOV.2015 20:20:00

Lowest Band Edge / Full RB

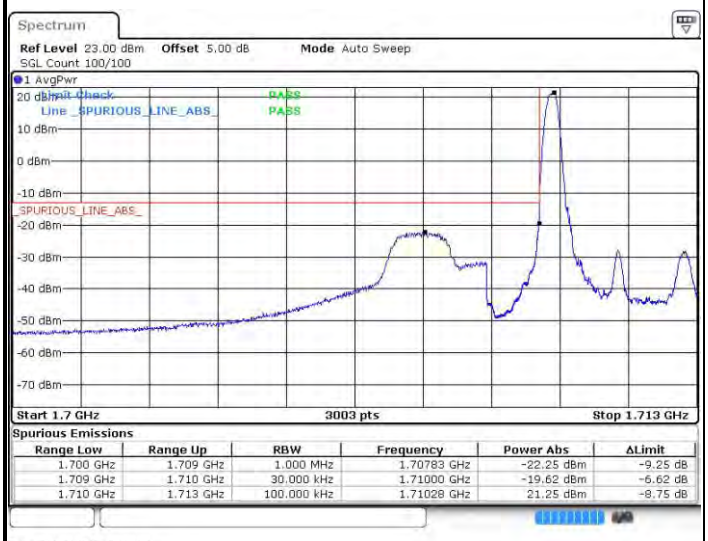
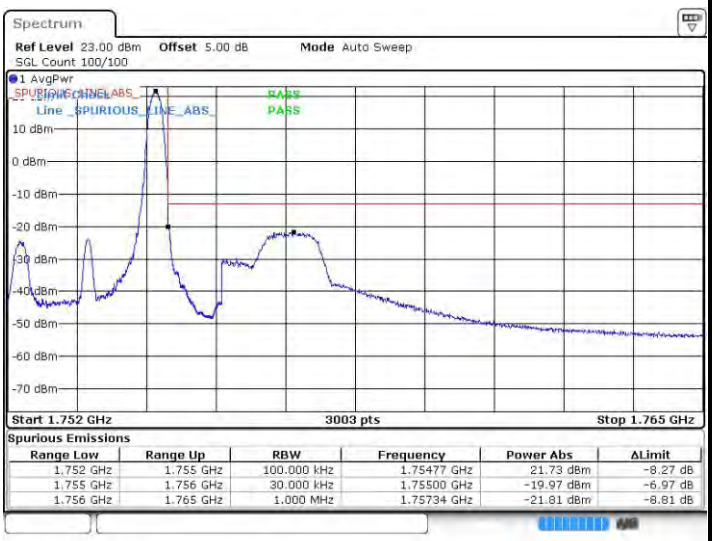
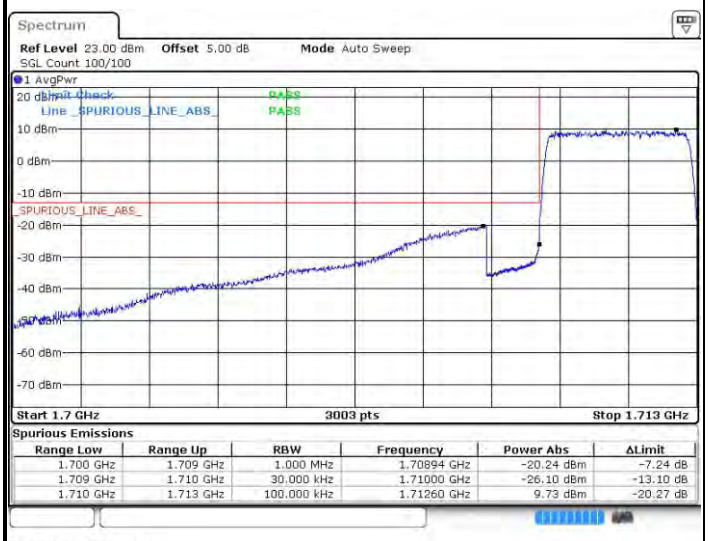
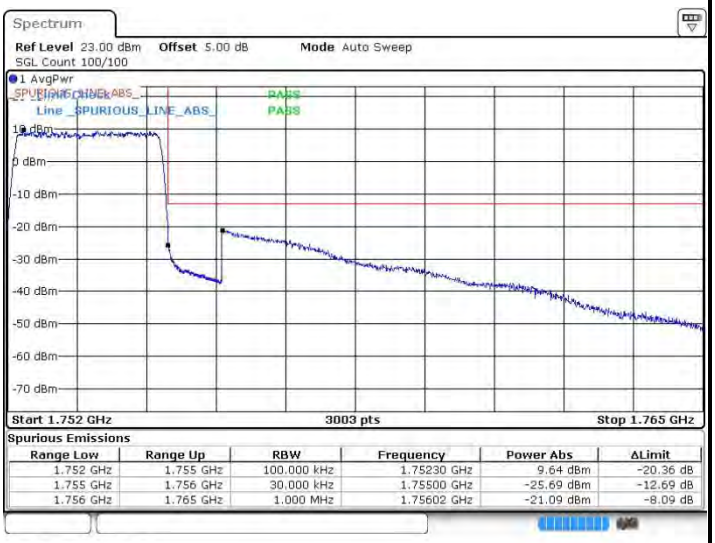


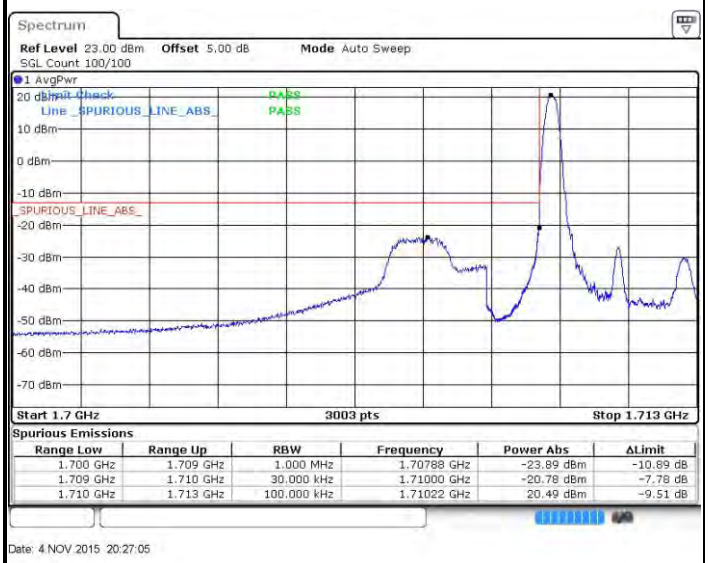
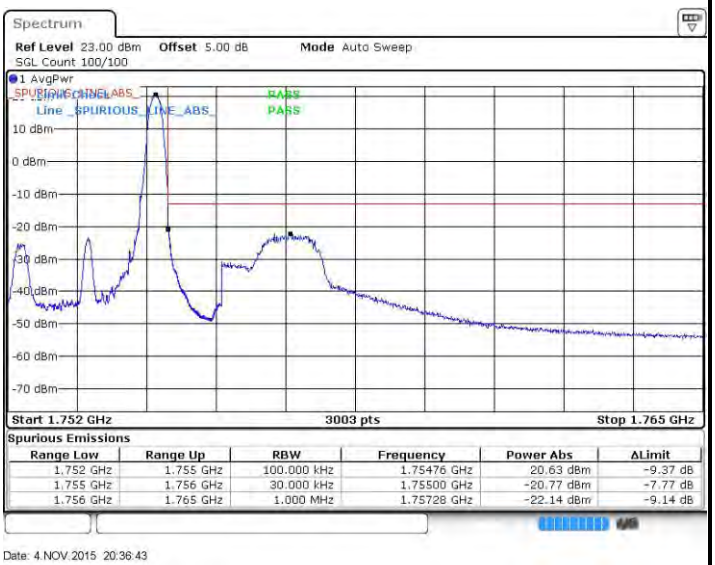
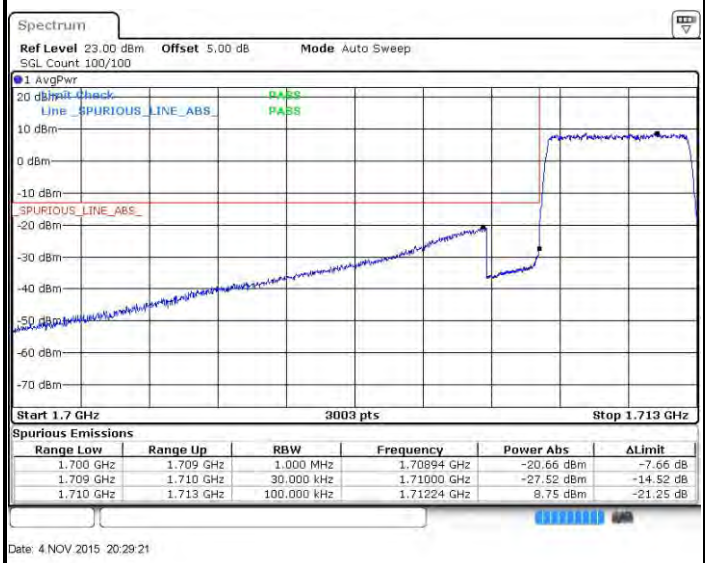
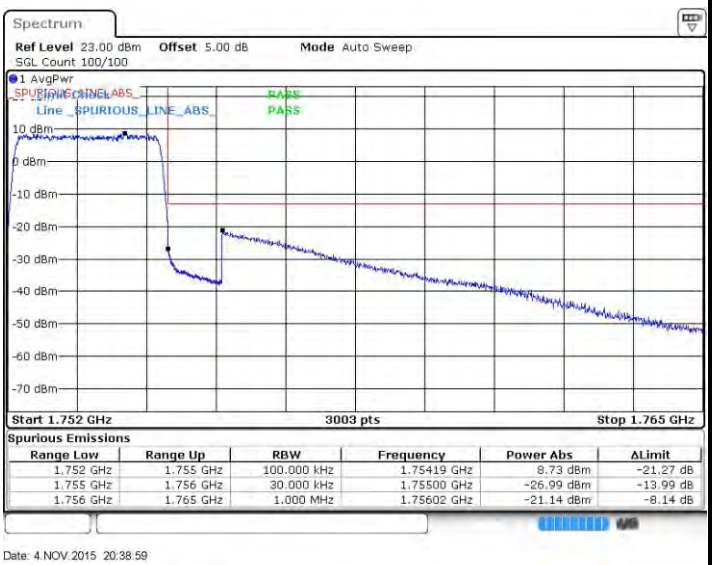
Date: 4.NOV.2015 20:12:38

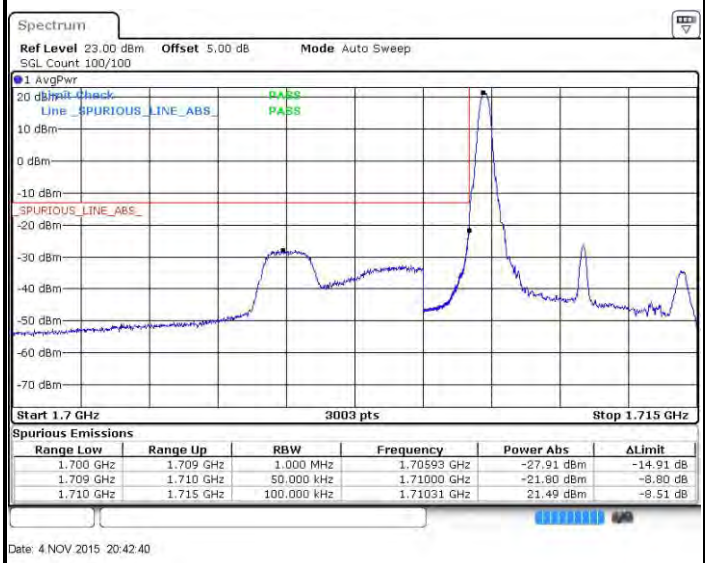
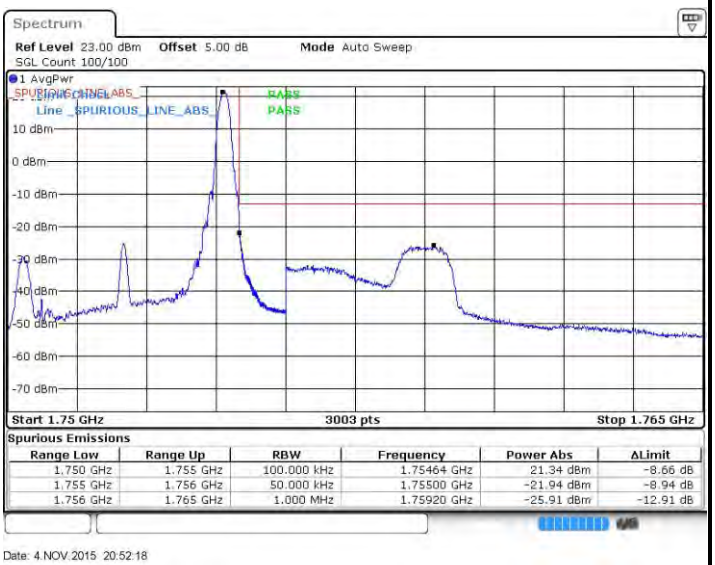
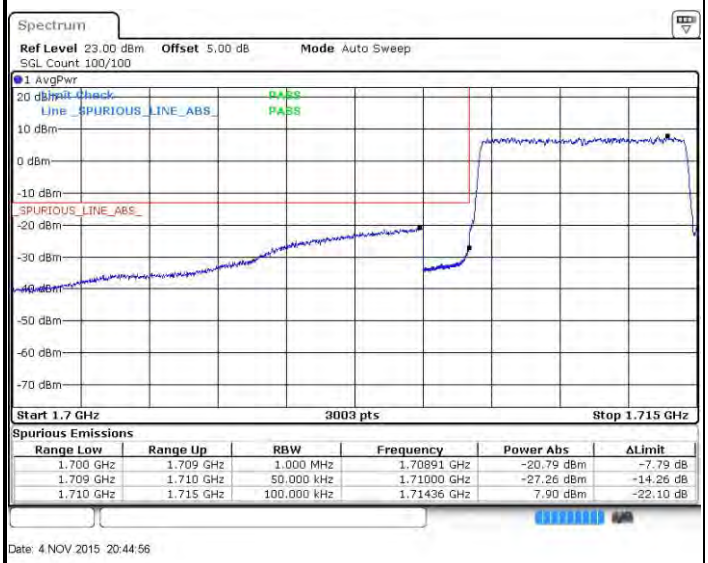
Highest Band Edge / Full RB

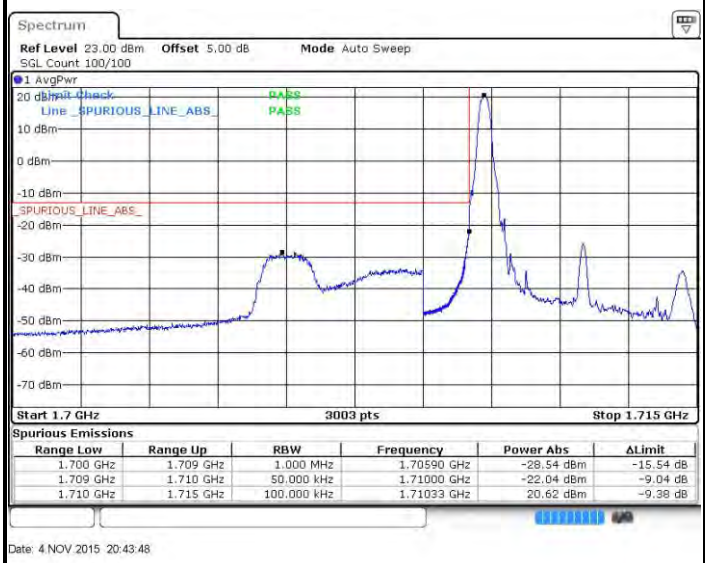
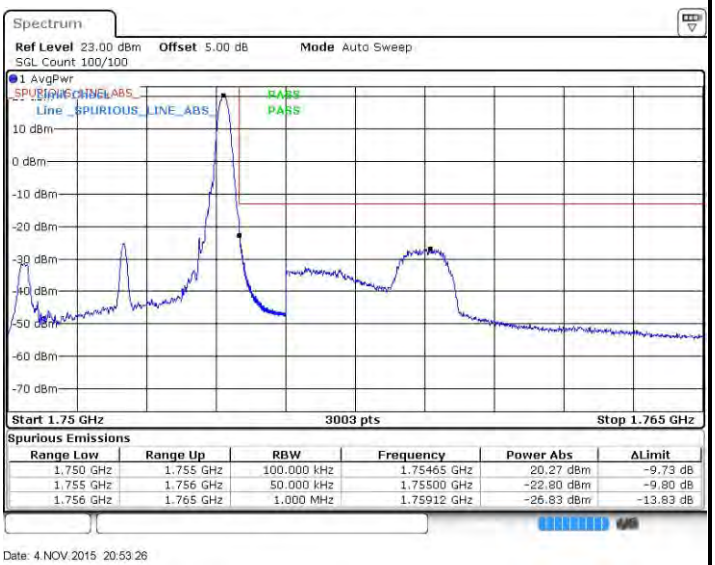
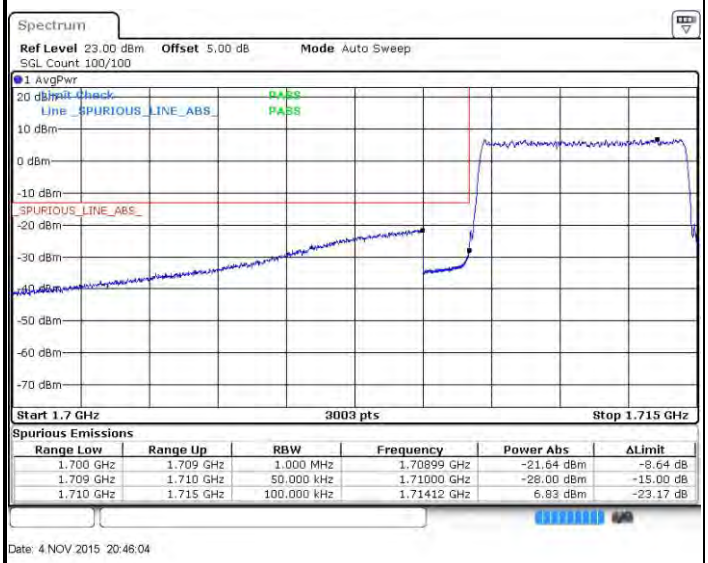
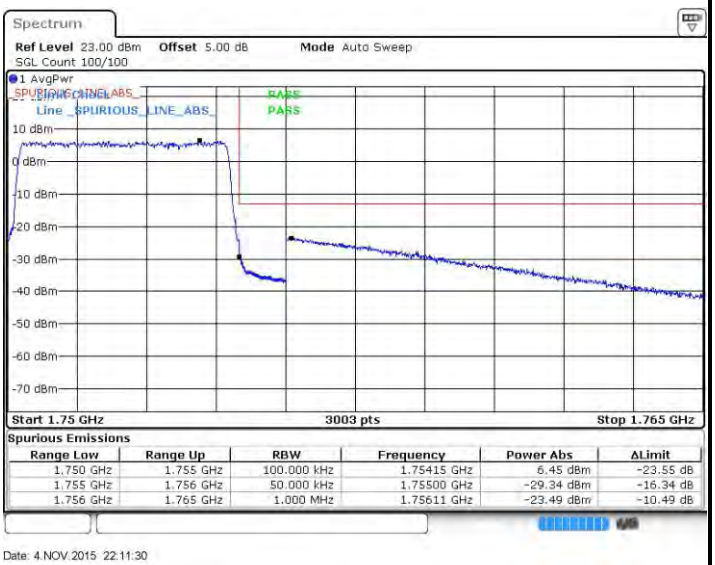


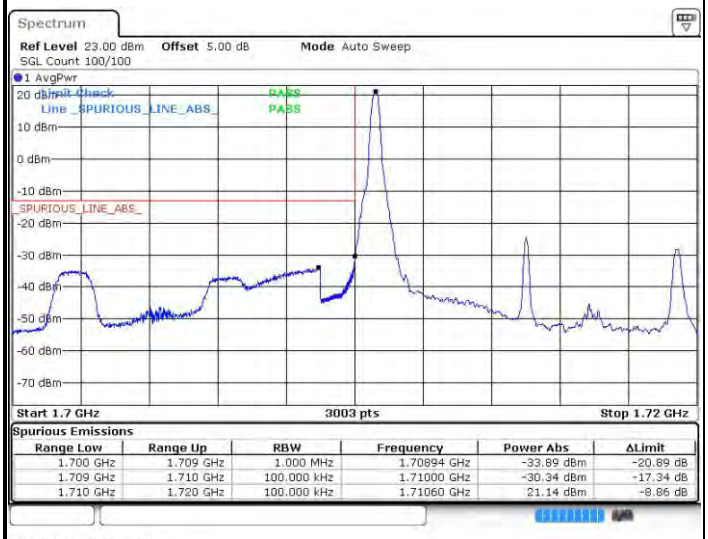
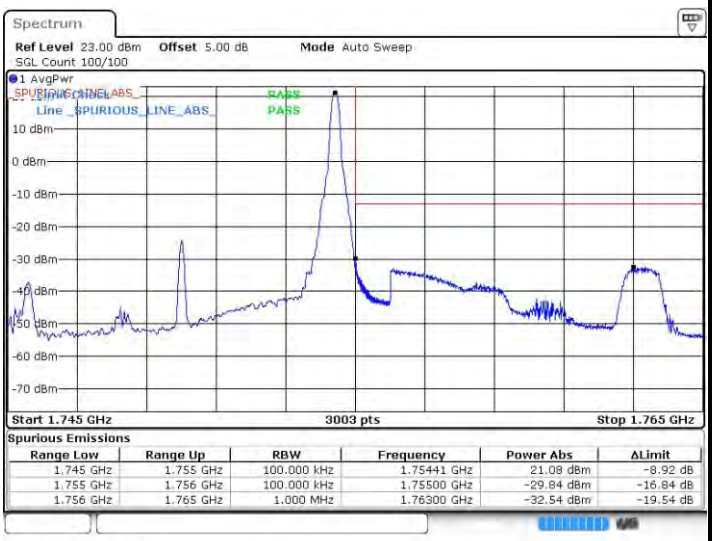
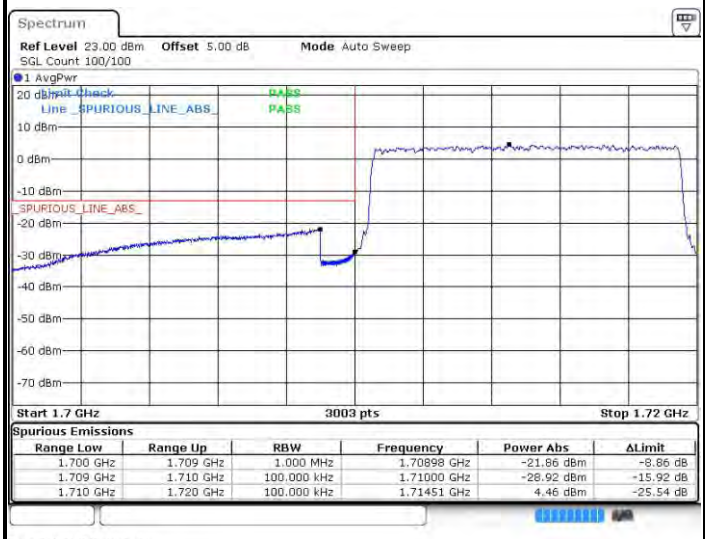
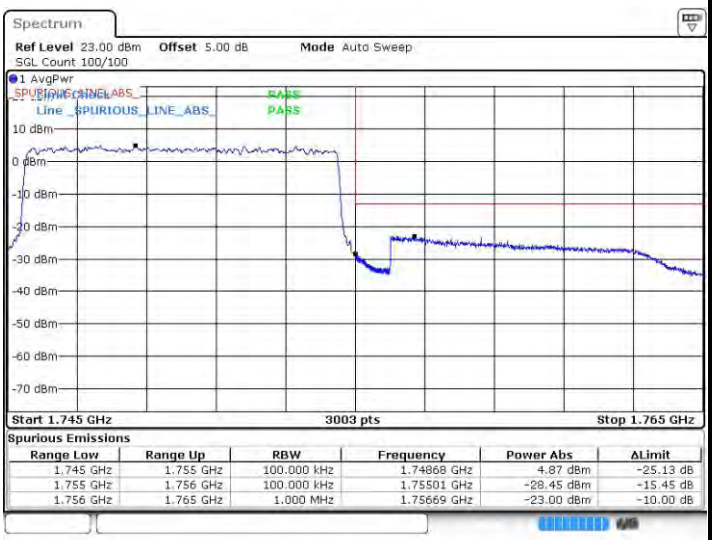
Date: 4.NOV.2015 20:22:16

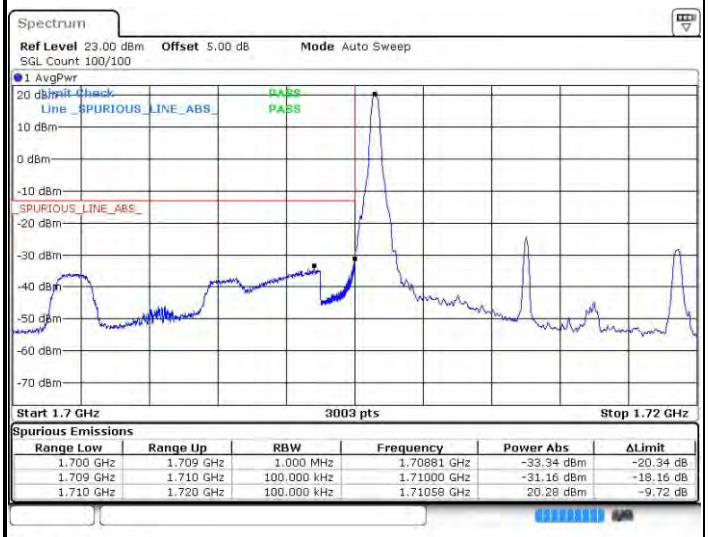
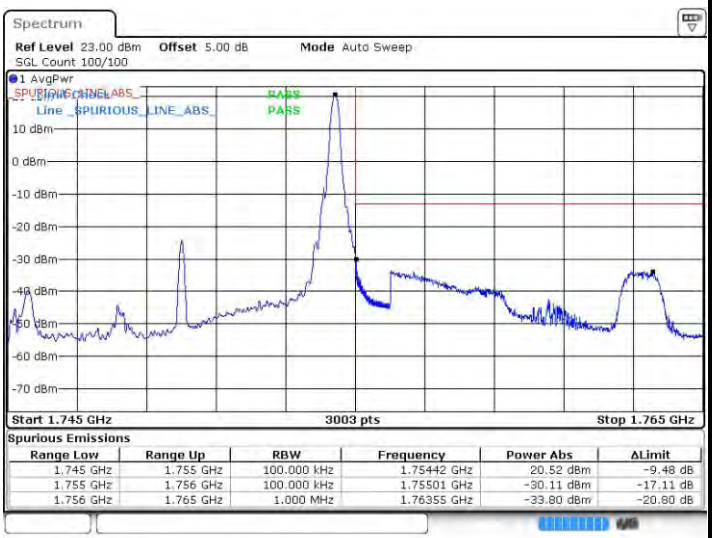
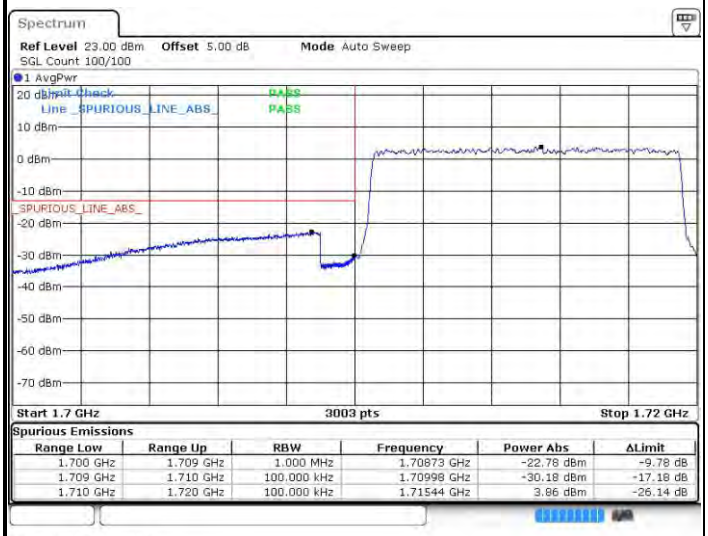
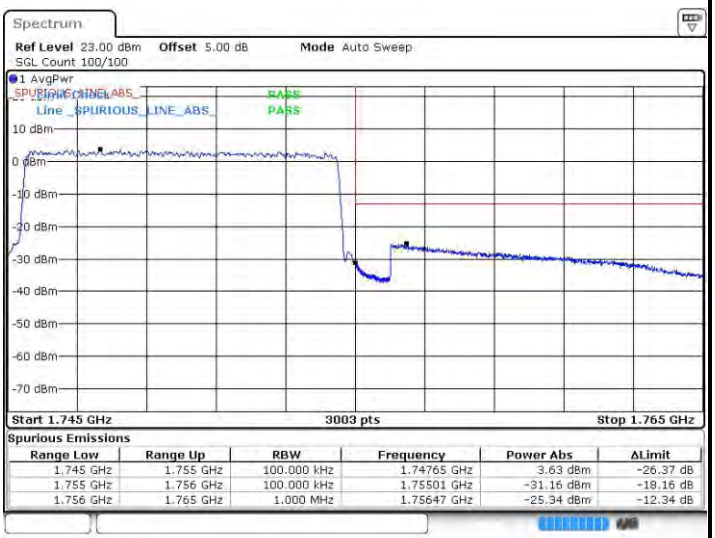
LTE Band 4 / 3MHz / QPSK	
Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

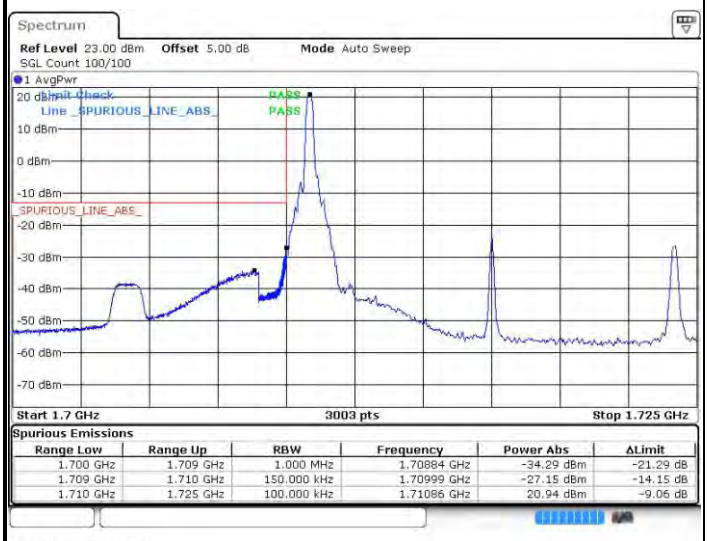
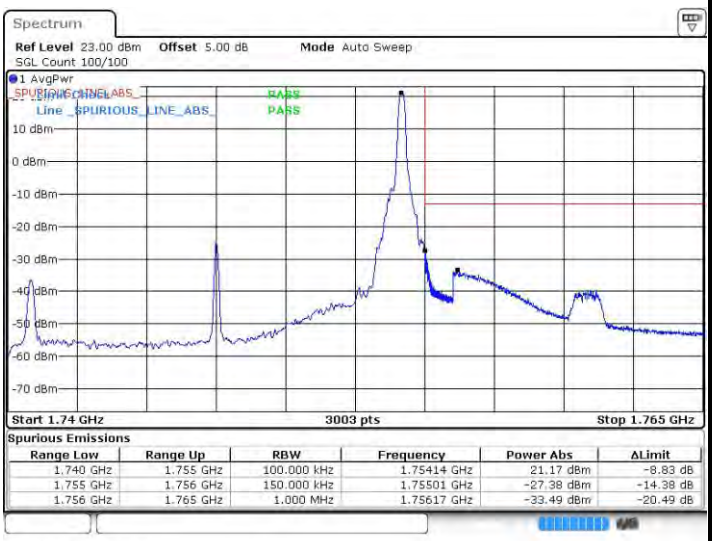
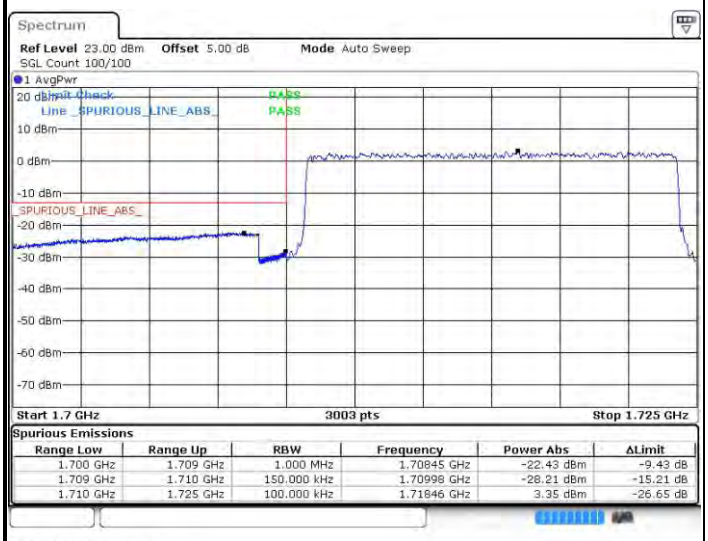
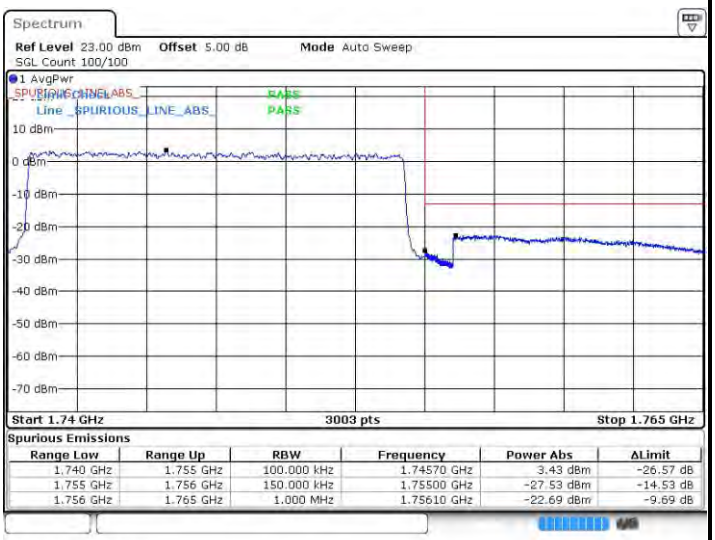
LTE Band 4 / 3MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge /1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

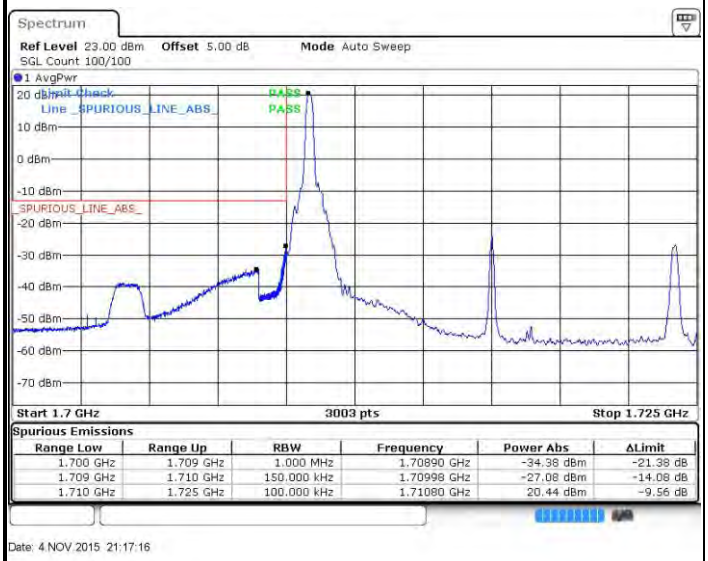
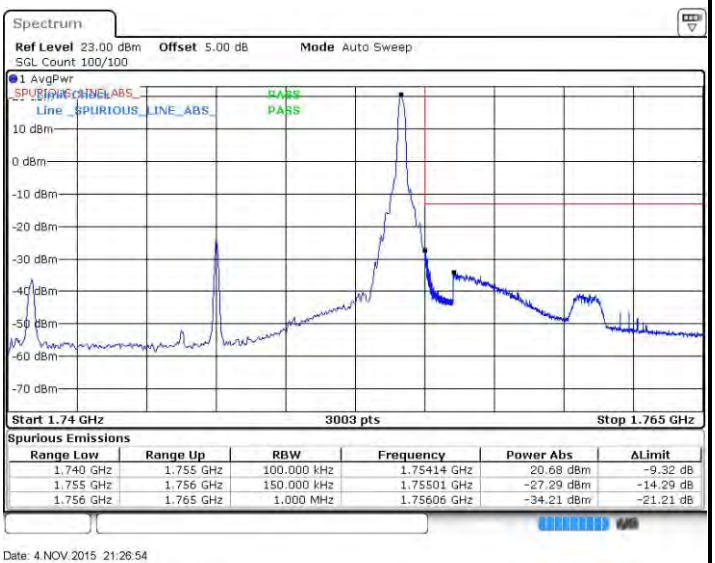
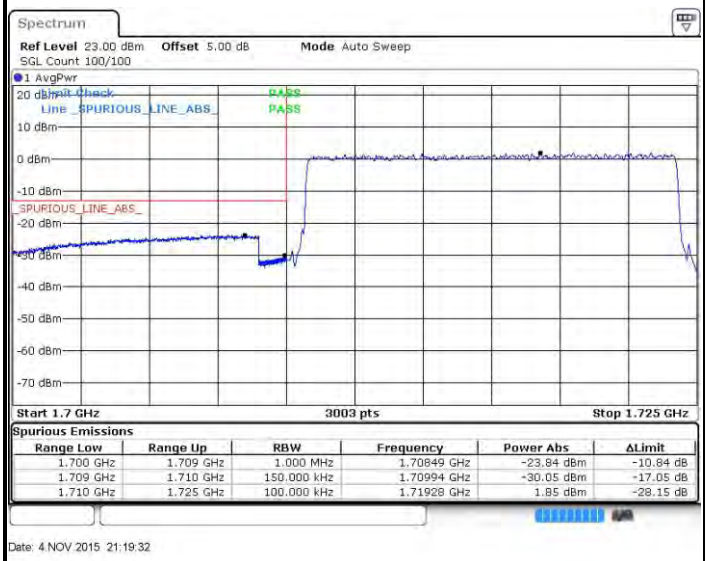
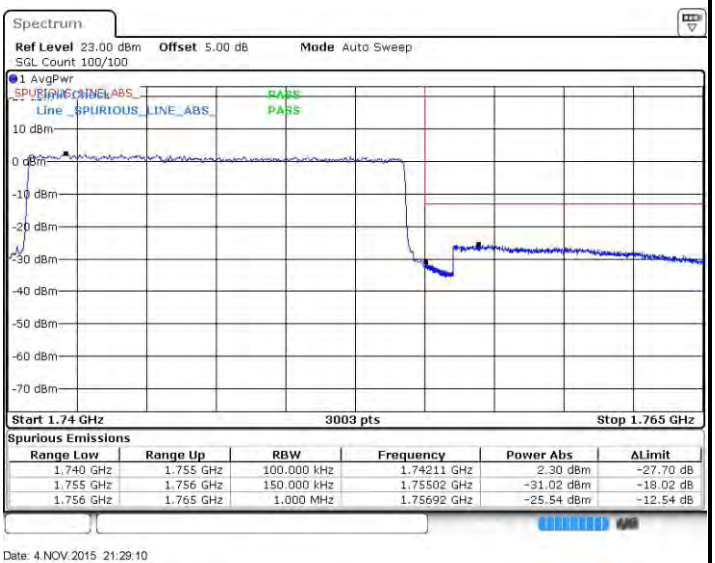
LTE Band 4 / 5MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

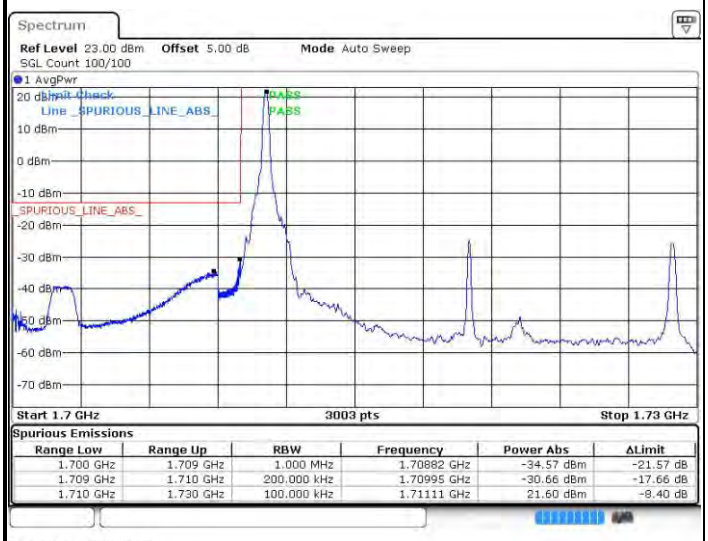
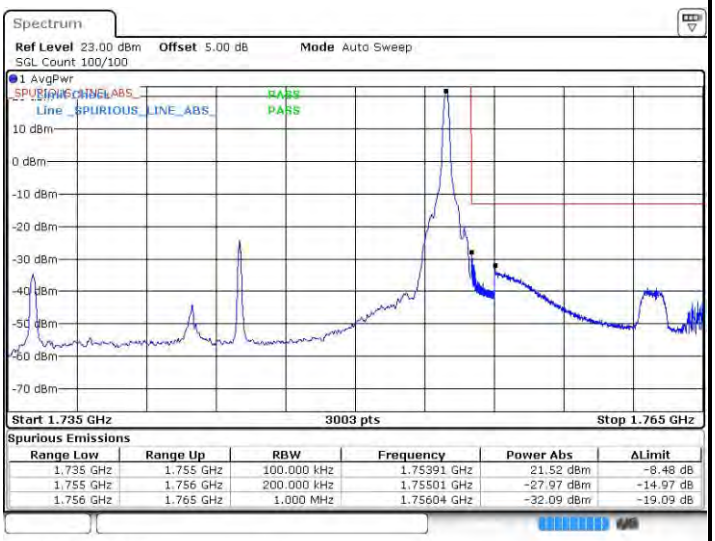
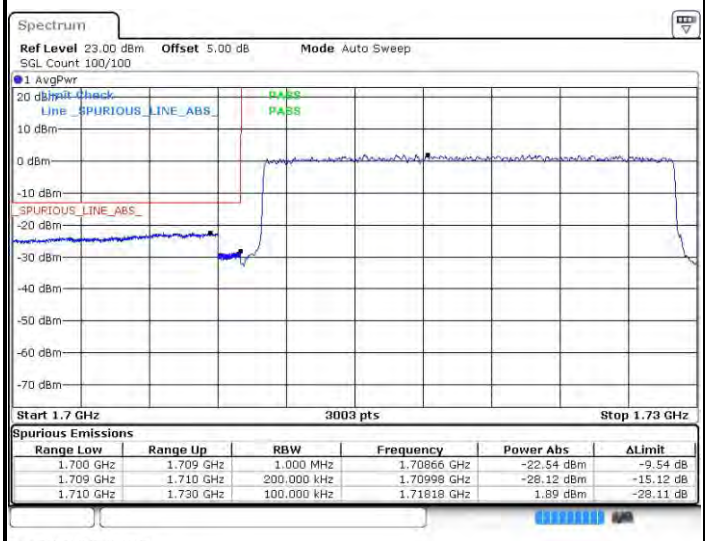
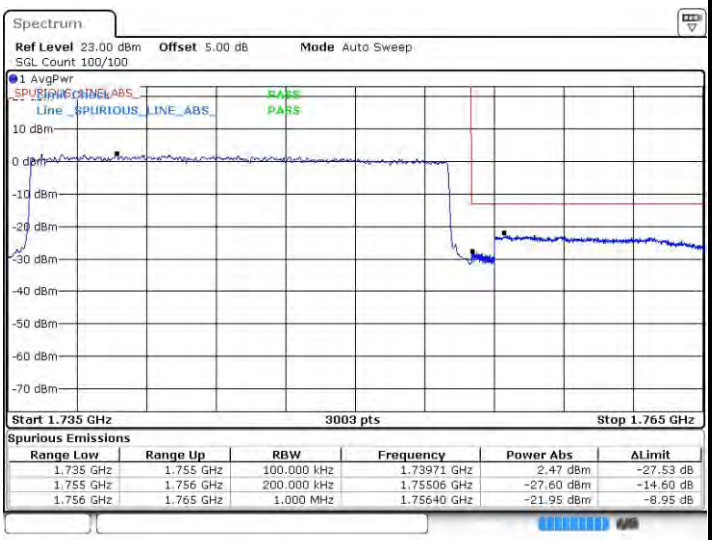
LTE Band 4 / 5MHz / 16QAM	
Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 4 / 10MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

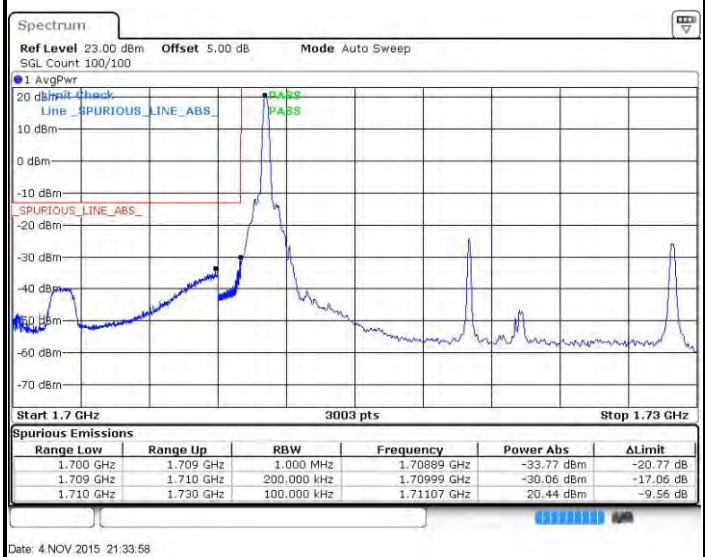
LTE Band 4 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

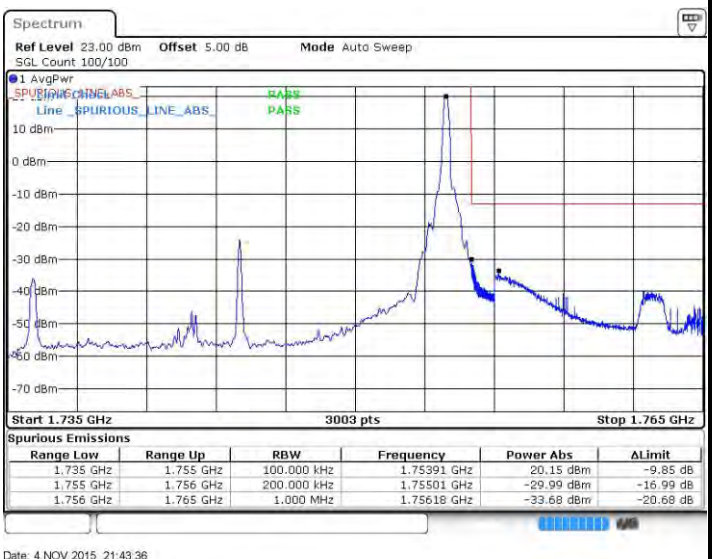
LTE Band 4 / 15MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

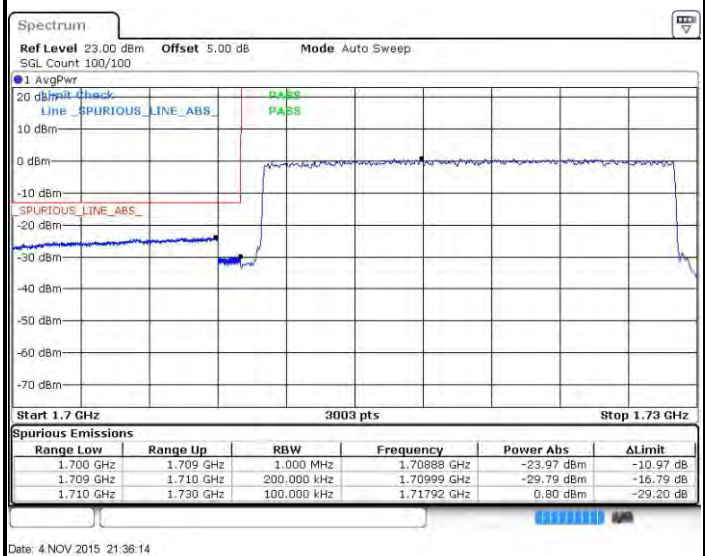
LTE Band 4 / 15MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

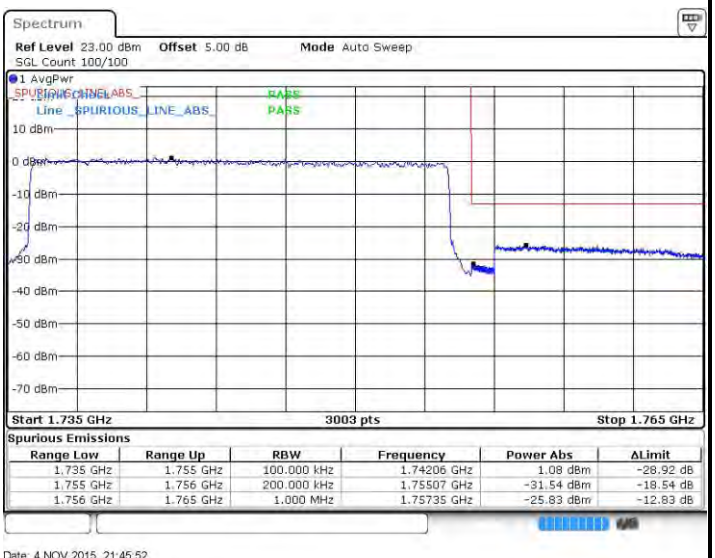
LTE Band 4 / 20MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 4 / 20MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



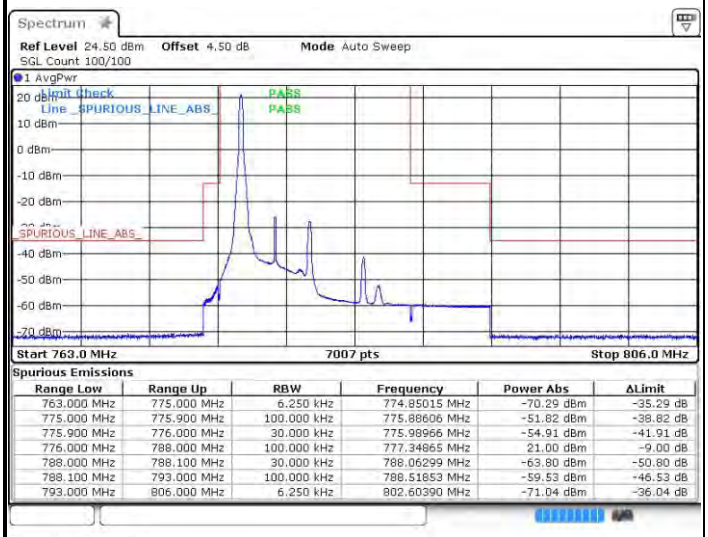






LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

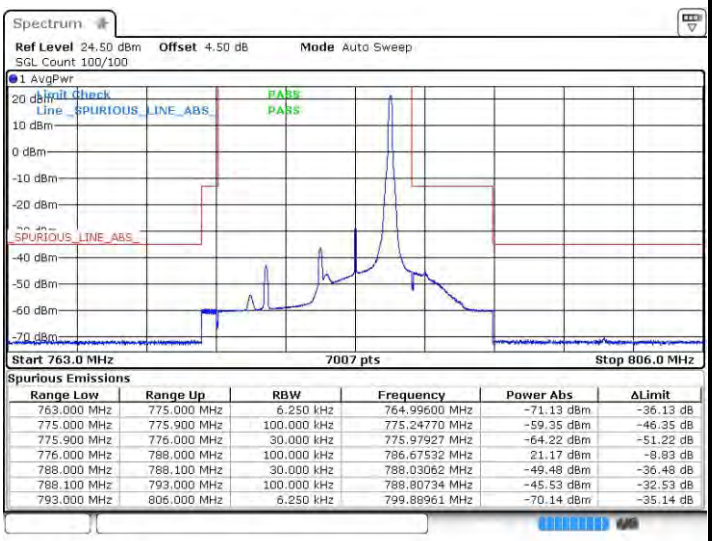


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.85015 MHz	-70.29 dBm	-35.29 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88606 MHz	-51.82 dBm	-38.82 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98966 MHz	-54.91 dBm	-41.91 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	21.00 dBm	-9.00 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06299 MHz	-63.80 dBm	-50.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.51853 MHz	-59.53 dBm	-46.53 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.60390 MHz	-71.04 dBm	-36.04 dB

Date: 5.NOV.2015 01:23:32

Highest Band Edge / 1 RB

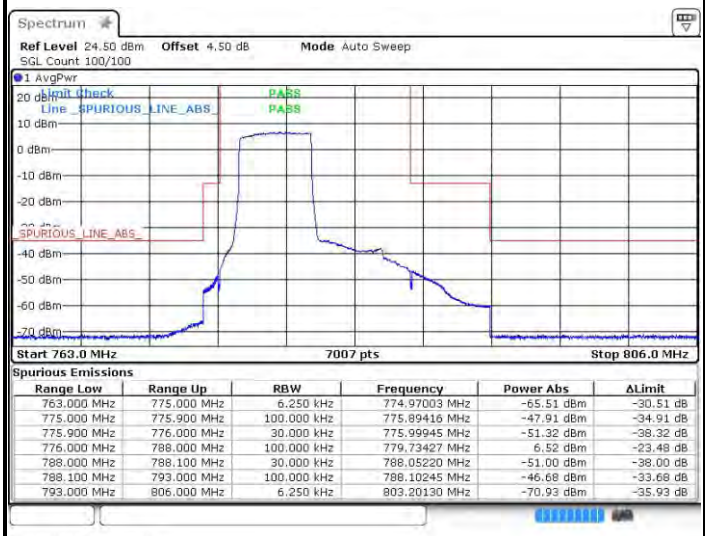


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.99600 MHz	-71.13 dBm	-36.13 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.24770 MHz	-59.35 dBm	-46.35 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97927 MHz	-64.22 dBm	-51.22 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.67532 MHz	21.17 dBm	-8.83 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03062 MHz	-49.48 dBm	-36.48 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.80734 MHz	-45.53 dBm	-32.53 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.88961 MHz	-70.14 dBm	-35.14 dB

Date: 5.NOV.2015 01:33:10

Lowest Band Edge / Full RB

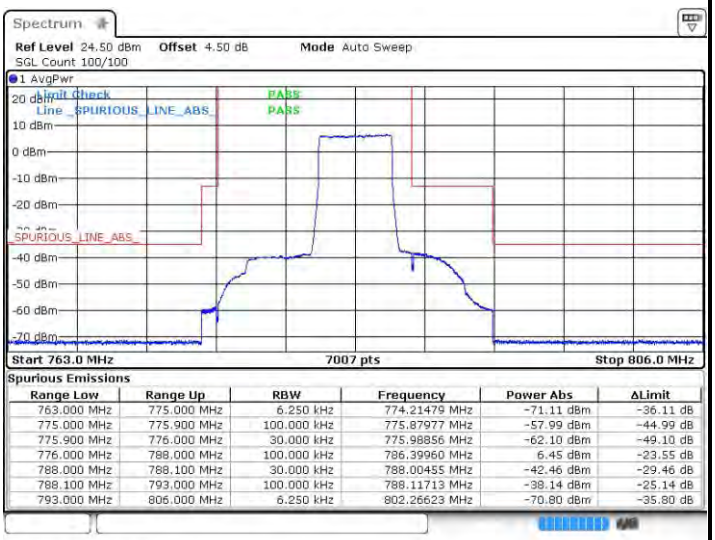


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-65.51 dBm	-30.51 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89416 MHz	-47.91 dBm	-34.91 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99945 MHz	-51.32 dBm	-38.32 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.73427 MHz	6.52 dBm	-23.48 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05220 MHz	-51.00 dBm	-38.00 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-46.68 dBm	-33.68 dB
793.000 MHz	806.000 MHz	6.250 kHz	803.20130 MHz	-70.93 dBm	-35.93 dB

Date: 5.NOV.2015 01:25:24

Highest Band Edge / Full RB



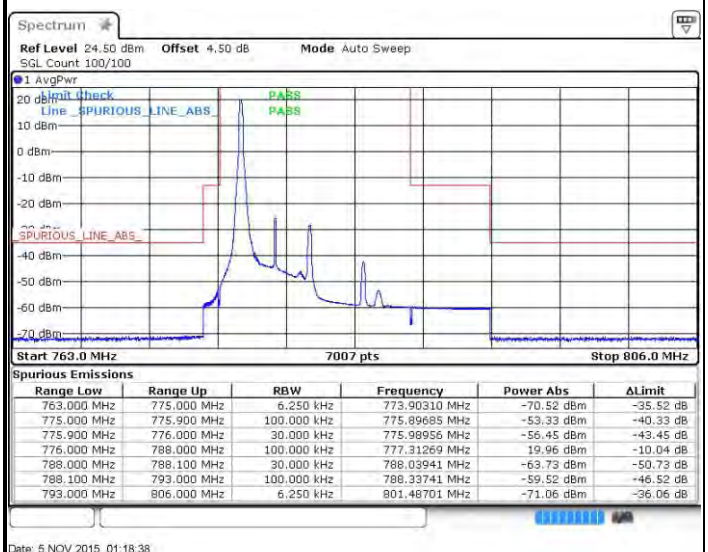
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.21479 MHz	-71.11 dBm	-36.11 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87977 MHz	-57.99 dBm	-44.99 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98856 MHz	-62.10 dBm	-49.10 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	6.45 dBm	-23.55 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00455 MHz	-42.46 dBm	-29.46 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-38.14 dBm	-25.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.26623 MHz	-70.80 dBm	-35.80 dB

Date: 5.NOV.2015 01:30:37

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge /1 RB

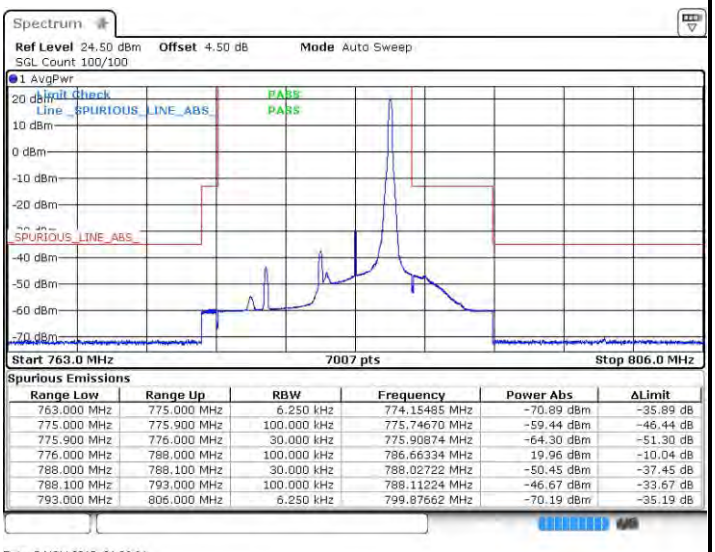


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.90310 MHz	-70.52 dBm	-35.52 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89685 MHz	-53.33 dBm	-40.33 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98956 MHz	-56.45 dBm	-43.45 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	19.96 dBm	-10.04 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03941 MHz	-63.73 dBm	-50.73 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.33741 MHz	-59.52 dBm	-46.52 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.48701 MHz	-71.06 dBm	-36.06 dB

Date: 5.NOV.2015 01:18:38

Highest Band Edge / 1 RB

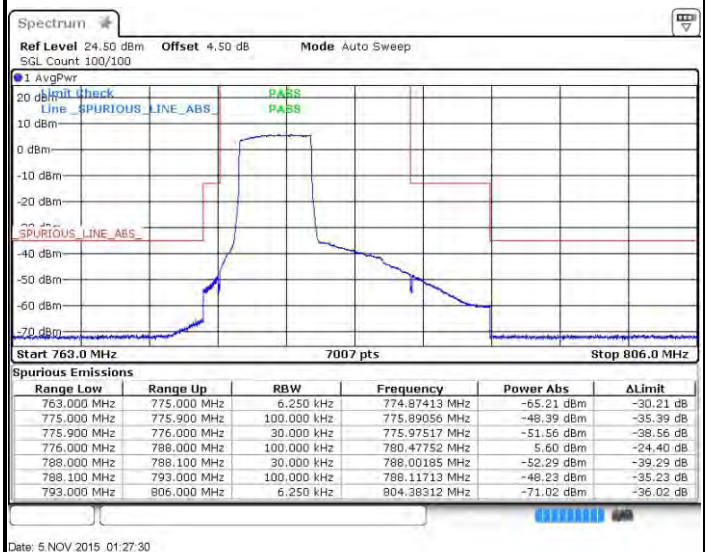


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.15485 MHz	-70.89 dBm	-35.89 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.74670 MHz	-59.44 dBm	-46.44 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90874 MHz	-64.30 dBm	-51.30 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	19.96 dBm	-10.04 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02722 MHz	-50.45 dBm	-37.45 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-46.67 dBm	-33.67 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.87662 MHz	-70.19 dBm	-35.19 dB

Date: 5.NOV.2015 01:36:31

Lowest Band Edge / Full RB

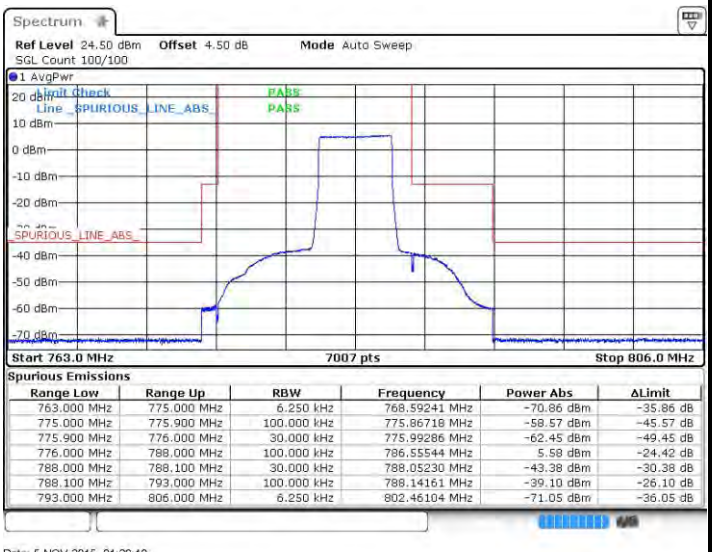


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87413 MHz	-65.21 dBm	-30.21 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89056 MHz	-48.39 dBm	-35.39 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97517 MHz	-51.56 dBm	-38.56 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.47752 MHz	5.60 dBm	-24.40 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00185 MHz	-52.29 dBm	-39.29 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-48.23 dBm	-35.23 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.38312 MHz	-71.02 dBm	-36.02 dB

Date: 5.NOV.2015 01:27:30

Highest Band Edge / Full RB



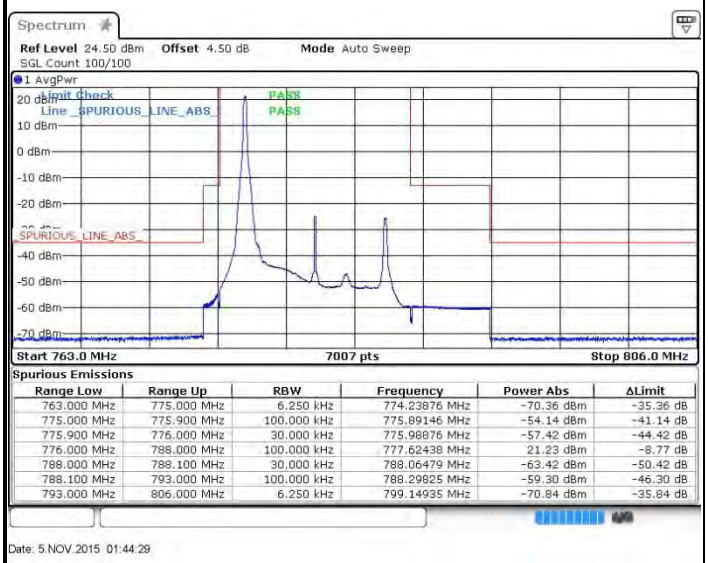
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.59241 MHz	-70.86 dBm	-35.86 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86718 MHz	-58.57 dBm	-45.57 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99286 MHz	-62.45 dBm	-49.45 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.55544 MHz	5.58 dBm	-24.42 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05230 MHz	-43.38 dBm	-30.38 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14161 MHz	-39.10 dBm	-26.10 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.46104 MHz	-71.05 dBm	-36.05 dB

Date: 5.NOV.2015 01:29:10

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

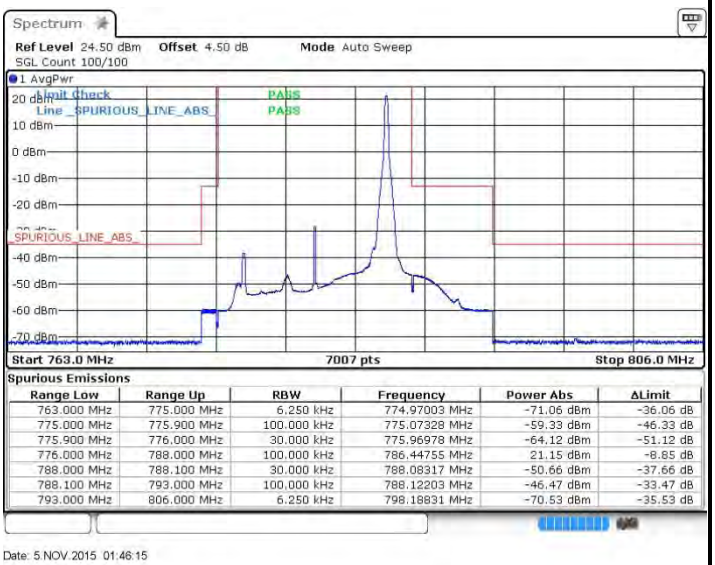


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.23876 MHz	-70.36 dBm	-35.36 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89146 MHz	-54.14 dBm	-41.14 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98876 MHz	-57.42 dBm	-44.42 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.62438 MHz	21.23 dBm	-8.77 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06479 MHz	-63.42 dBm	-50.42 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.29825 MHz	-59.30 dBm	-46.30 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.14935 MHz	-70.84 dBm	-35.84 dB

Date: 5.NOV.2015 01:44:29

Highest Band Edge / 1 RB

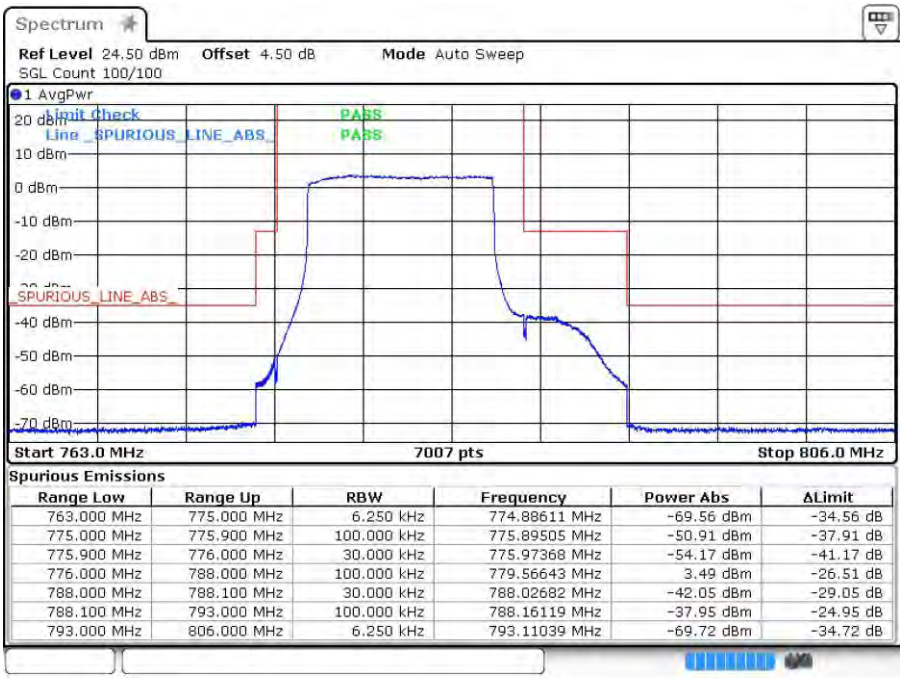


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-71.06 dBm	-36.06 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.07328 MHz	-59.33 dBm	-46.33 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96978 MHz	-64.12 dBm	-51.12 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.44755 MHz	21.15 dBm	-8.85 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08317 MHz	-50.66 dBm	-37.66 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-46.47 dBm	-33.47 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.18831 MHz	-70.53 dBm	-35.53 dB

Date: 5.NOV.2015 01:46:15

Band Edge / Full RB



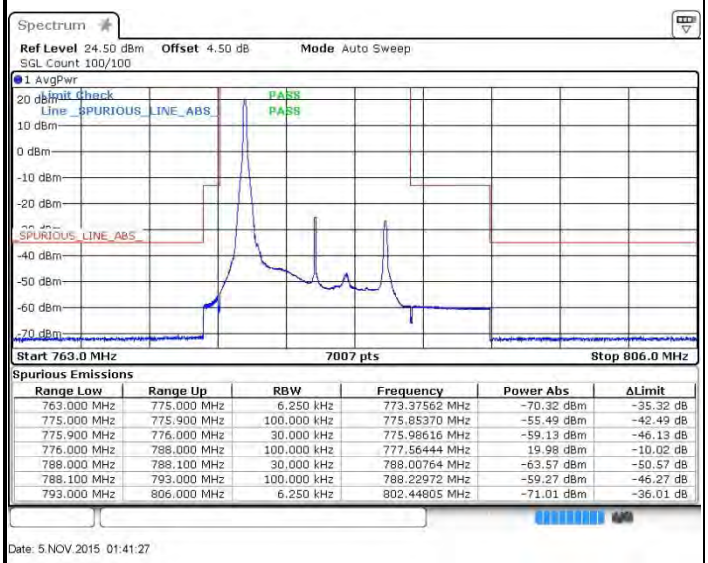
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.88611 MHz	-69.56 dBm	-34.56 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89505 MHz	-50.91 dBm	-37.91 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97368 MHz	-54.17 dBm	-41.17 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.56643 MHz	3.49 dBm	-26.51 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02682 MHz	-42.05 dBm	-29.05 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16119 MHz	-37.95 dBm	-24.95 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-69.72 dBm	-34.72 dB

Date: 5.NOV.2015 01:52:38

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

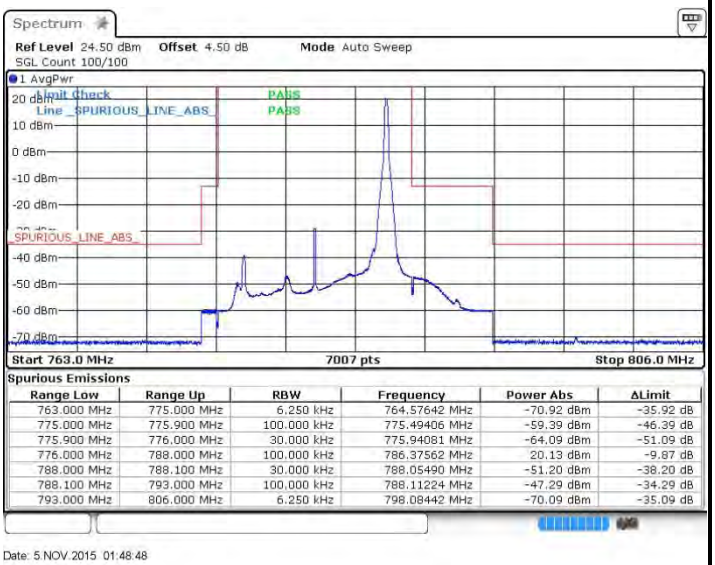


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.37562 MHz	-70.32 dBm	-35.32 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85370 MHz	-55.49 dBm	-42.49 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98616 MHz	-59.13 dBm	-46.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.56444 MHz	19.98 dBm	-10.02 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00764 MHz	-63.57 dBm	-50.57 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.22972 MHz	-59.27 dBm	-46.27 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.44805 MHz	-71.01 dBm	-36.01 dB

Date: 5.NOV.2015 01:41:27

Highest Band Edge / 1 RB

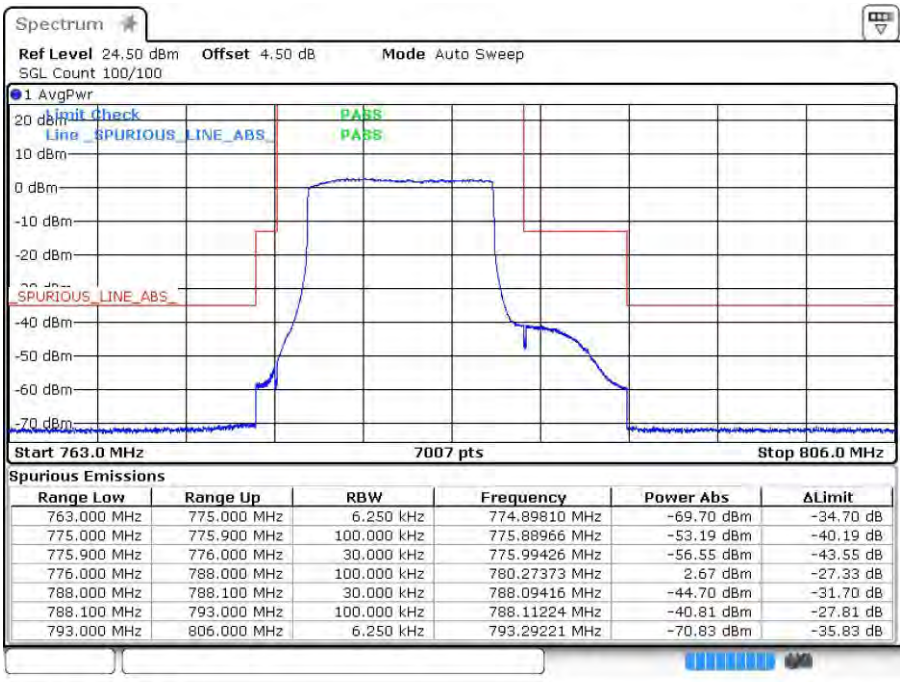


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.57642 MHz	-70.92 dBm	-35.92 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.49406 MHz	-59.39 dBm	-46.39 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94081 MHz	-64.09 dBm	-51.09 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.37562 MHz	20.13 dBm	-9.87 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05490 MHz	-51.20 dBm	-38.20 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-47.29 dBm	-34.29 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.08442 MHz	-70.09 dBm	-35.09 dB

Date: 5.NOV.2015 01:48:48

Band Edge / Full RB



Spurious Emissions

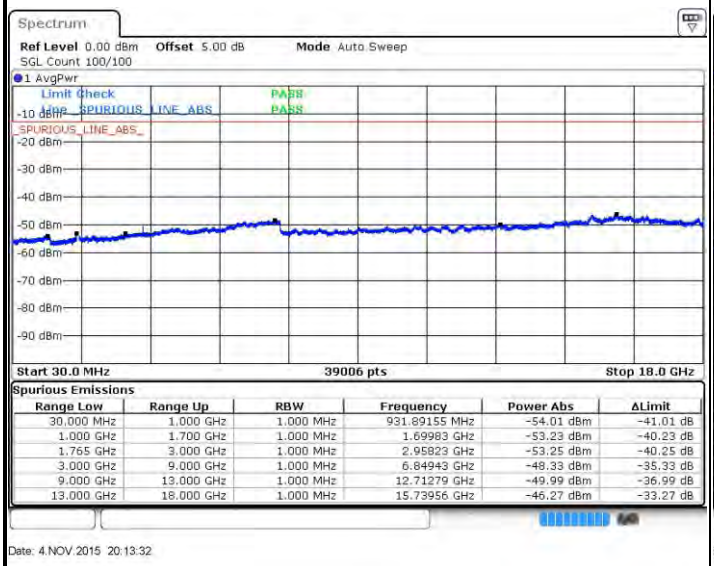
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.89810 MHz	-69.70 dBm	-34.70 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88966 MHz	-53.19 dBm	-40.19 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99426 MHz	-56.55 dBm	-43.55 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.27373 MHz	2.67 dBm	-27.33 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09416 MHz	-44.70 dBm	-31.70 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-40.81 dBm	-27.81 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.29221 MHz	-70.83 dBm	-35.83 dB

Date: 5.NOV.2015 01:50:39

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

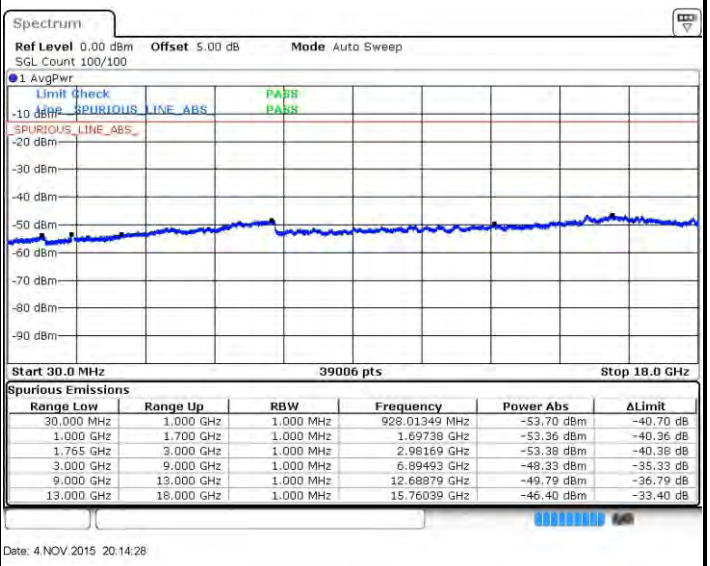


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.89155 MHz	-54.01 dBm	-41.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.23 dBm	-40.23 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95823 GHz	-53.25 dBm	-40.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84943 GHz	-48.33 dBm	-35.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71279 GHz	-49.99 dBm	-36.99 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73956 GHz	-46.27 dBm	-33.27 dB

Date: 4.NOV.2015 20:13:32

Lowest Channel / 16QAM

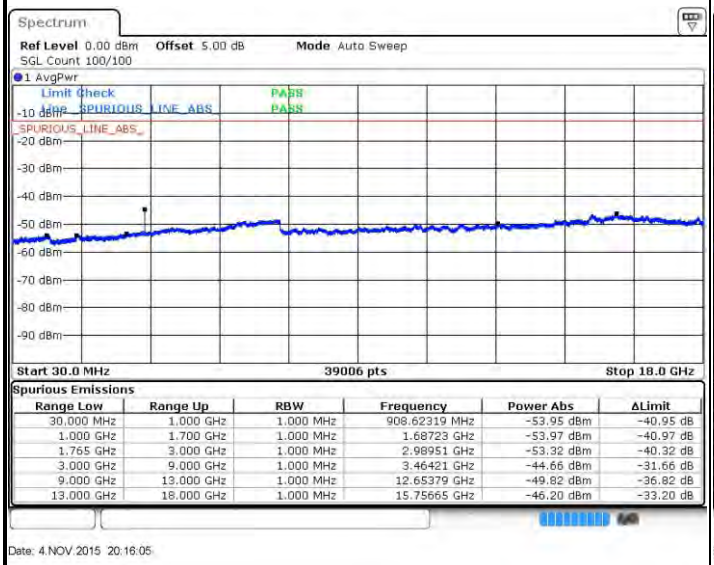


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-53.70 dBm	-40.70 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-53.36 dBm	-40.36 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98169 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.89493 GHz	-48.33 dBm	-35.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68879 GHz	-49.79 dBm	-36.79 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76039 GHz	-46.40 dBm	-33.40 dB

Date: 4.NOV.2015 20:14:28

Middle Channel / QPSK

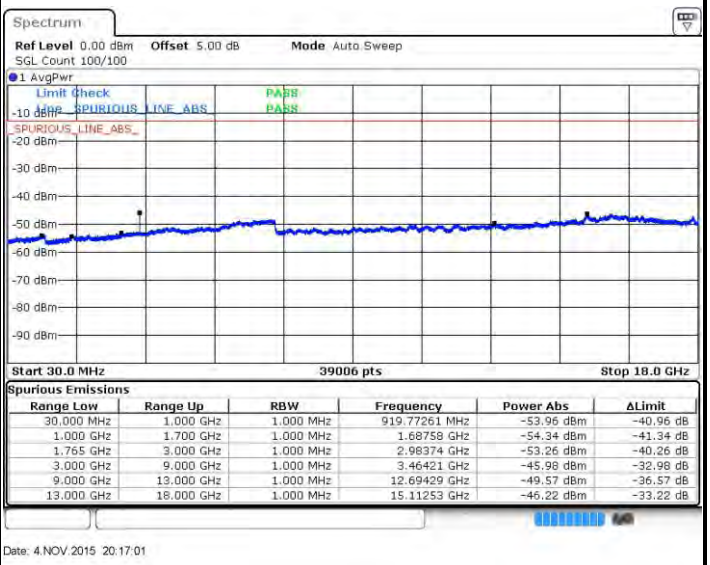


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.62319 MHz	-53.95 dBm	-40.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68723 GHz	-53.97 dBm	-40.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98951 GHz	-53.32 dBm	-40.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46421 GHz	-44.66 dBm	-31.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65379 GHz	-49.82 dBm	-36.82 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75665 GHz	-46.20 dBm	-33.20 dB

Date: 4.NOV.2015 20:16:05

Middle Channel / 16QAM



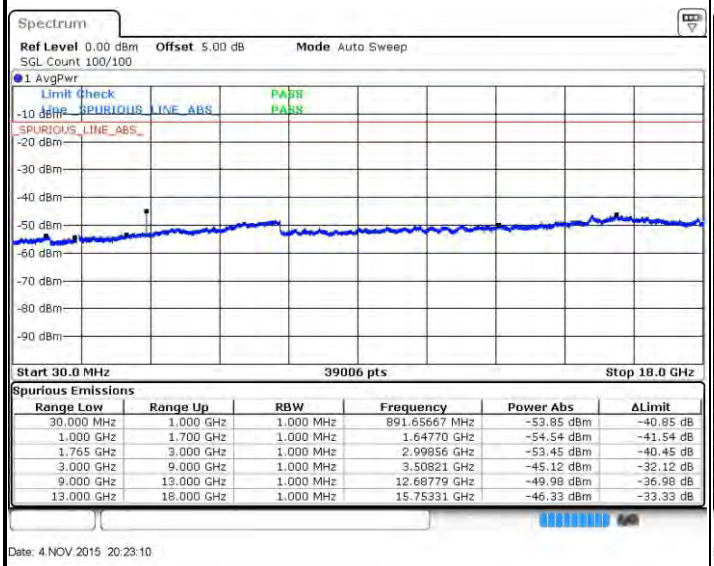
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.77261 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68758 GHz	-54.34 dBm	-41.34 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98374 GHz	-53.26 dBm	-40.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46421 GHz	-45.98 dBm	-32.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69429 GHz	-49.57 dBm	-36.57 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.11253 GHz	-46.22 dBm	-33.22 dB

Date: 4.NOV.2015 20:17:01

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

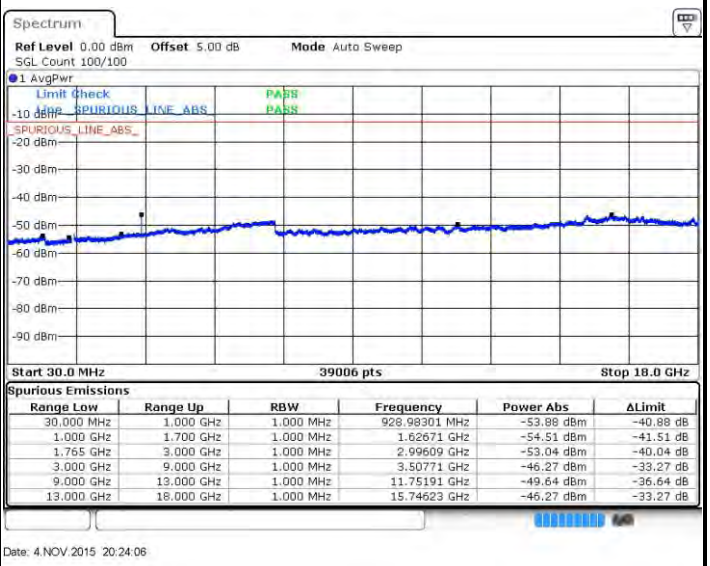


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	891.65667 MHz	-53.85 dBm	-40.85 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64770 GHz	-54.54 dBm	-41.54 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99856 GHz	-53.45 dBm	-40.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50821 GHz	-45.12 dBm	-32.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68779 GHz	-49.98 dBm	-36.98 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75331 GHz	-46.33 dBm	-33.33 dB

Date: 4.NOV.2015 20:23:10

Highest Channel / 16QAM



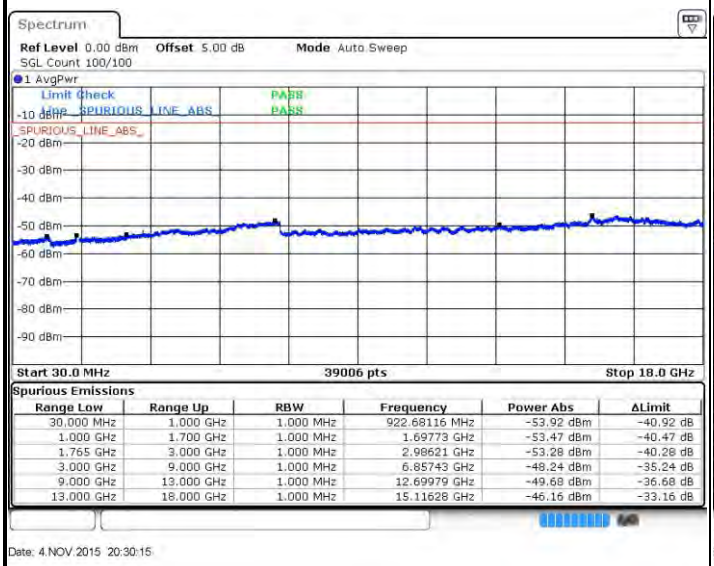
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-53.88 dBm	-40.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62671 GHz	-54.51 dBm	-41.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99609 GHz	-53.04 dBm	-40.04 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50771 GHz	-46.27 dBm	-33.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75191 GHz	-49.64 dBm	-36.64 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74623 GHz	-46.27 dBm	-33.27 dB

Date: 4.NOV.2015 20:24:06

LTE Band 4 / 3MHz

Lowest Channel / QPSK

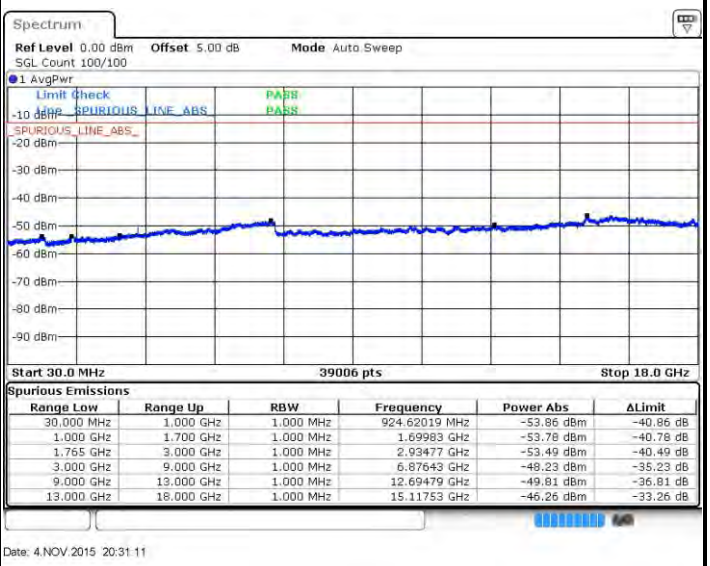


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-53.92 dBm	-40.92 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-53.47 dBm	-40.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98621 GHz	-53.28 dBm	-40.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85743 GHz	-48.24 dBm	-35.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69979 GHz	-49.68 dBm	-36.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.11628 GHz	-46.16 dBm	-33.16 dB

Date: 4.NOV.2015 20:30:15

Lowest Channel / 16QAM



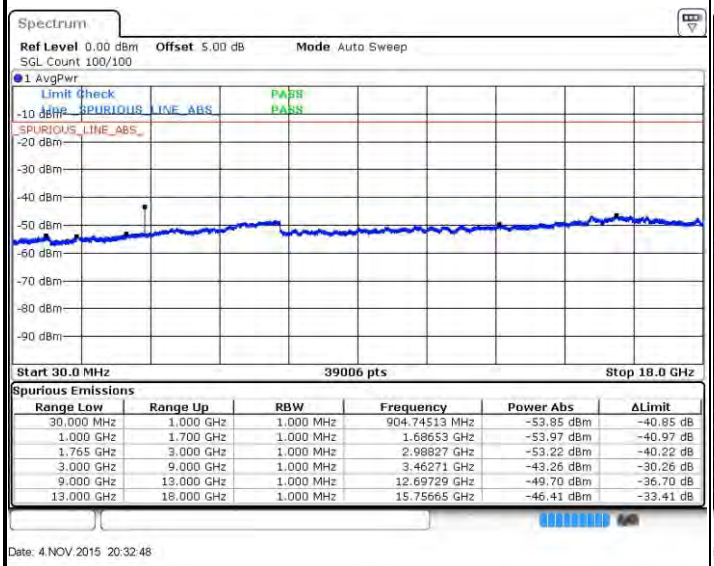
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-53.86 dBm	-40.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.78 dBm	-40.78 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.93477 GHz	-53.49 dBm	-40.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87643 GHz	-48.23 dBm	-35.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69479 GHz	-49.81 dBm	-36.81 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.11753 GHz	-46.26 dBm	-33.26 dB

Date: 4.NOV.2015 20:31:11

LTE Band 4 / 3MHz

Middle Channel / QPSK

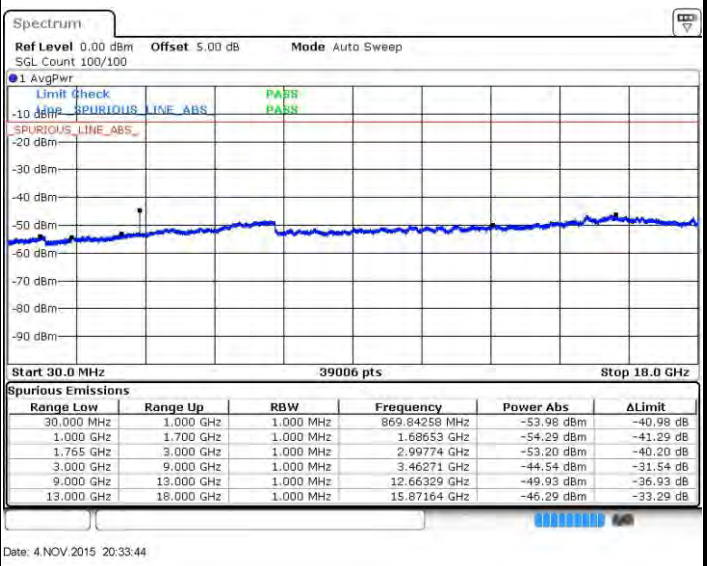


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-53.85 dBm	-40.85 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68653 GHz	-53.97 dBm	-40.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98827 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46271 GHz	-43.26 dBm	-30.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69729 GHz	-49.70 dBm	-36.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75665 GHz	-46.41 dBm	-33.41 dB

Date: 4.NOV.2015 20:32:48

Middle Channel / 16QAM

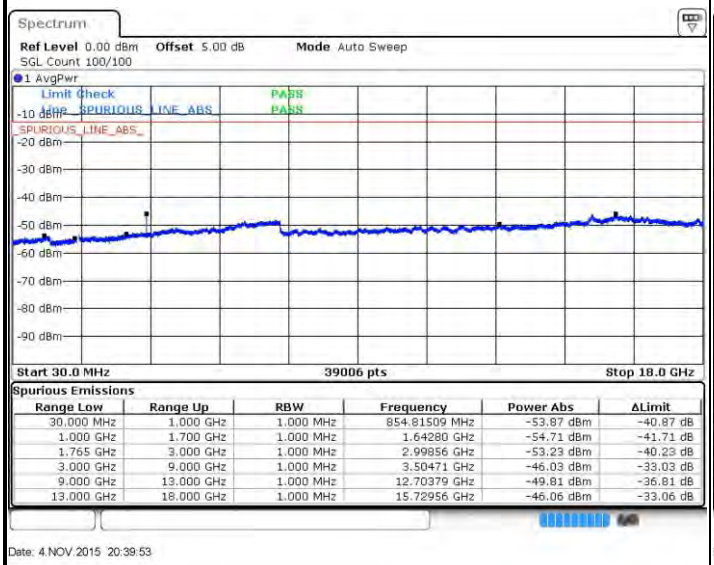


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.84258 MHz	-53.98 dBm	-40.98 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68653 GHz	-54.29 dBm	-41.29 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99774 GHz	-53.20 dBm	-40.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46271 GHz	-44.54 dBm	-31.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66329 GHz	-49.93 dBm	-36.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.87164 GHz	-46.29 dBm	-33.29 dB

Date: 4.NOV.2015 20:33:44

Highest Channel / QPSK

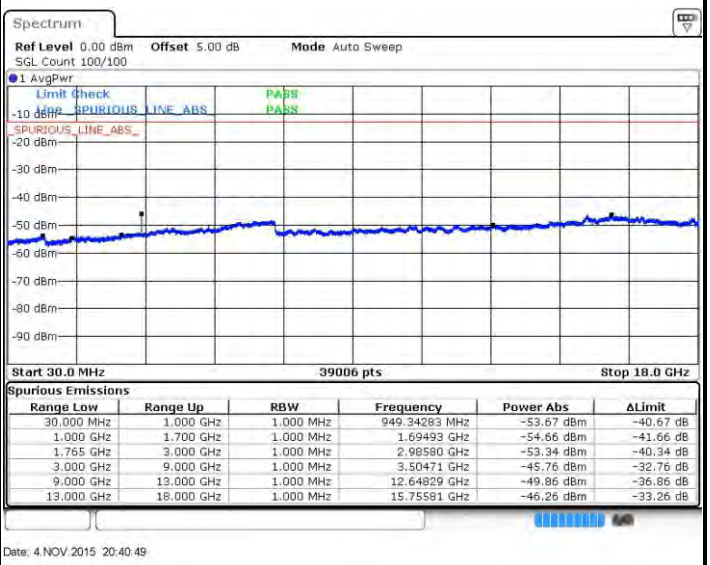


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	854.81509 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64280 GHz	-54.71 dBm	-41.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99856 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50471 GHz	-46.03 dBm	-33.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-49.81 dBm	-36.81 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72956 GHz	-46.06 dBm	-33.06 dB

Date: 4.NOV.2015 20:39:53

Highest Channel / 16QAM



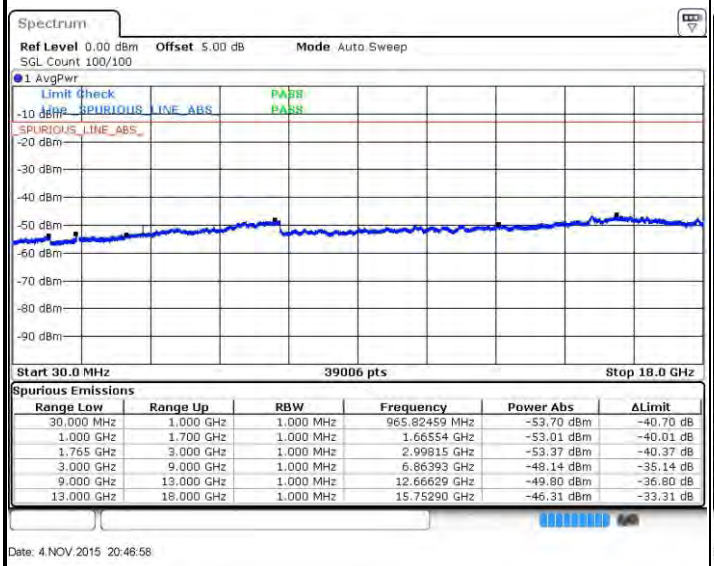
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-53.67 dBm	-40.67 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69493 GHz	-54.66 dBm	-41.66 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98580 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50471 GHz	-45.76 dBm	-32.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64829 GHz	-49.86 dBm	-36.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75581 GHz	-46.26 dBm	-33.26 dB

Date: 4.NOV.2015 20:40:49

LTE Band 4 / 5MHz

Lowest Channel / QPSK

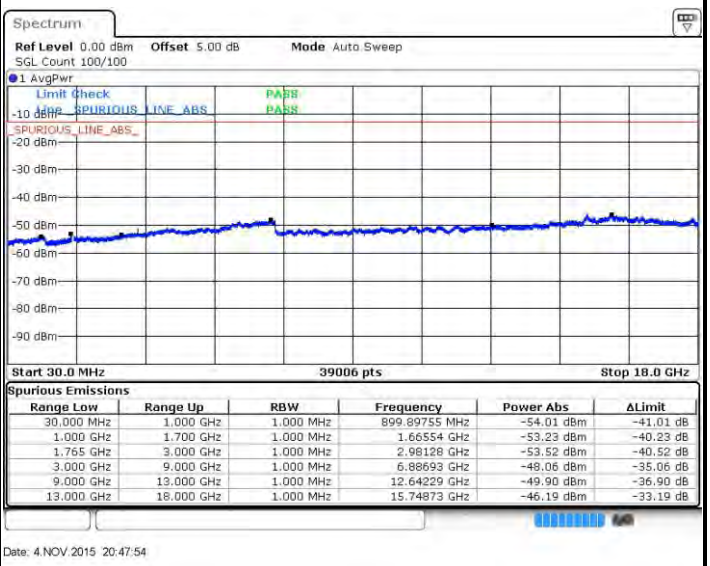


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.82459 MHz	-53.70 dBm	-40.70 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66554 GHz	-53.01 dBm	-40.01 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99815 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86393 GHz	-48.14 dBm	-35.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66629 GHz	-49.80 dBm	-36.80 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75290 GHz	-46.31 dBm	-33.31 dB

Date: 4.NOV.2015 20:46:58

Lowest Channel / 16QAM

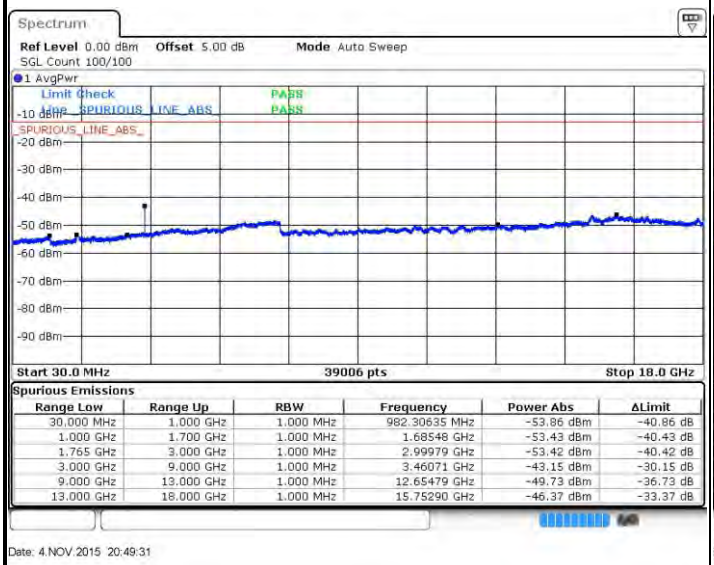


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-54.01 dBm	-41.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66554 GHz	-53.23 dBm	-40.23 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98128 GHz	-53.52 dBm	-40.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88693 GHz	-48.06 dBm	-35.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64229 GHz	-49.90 dBm	-36.90 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74873 GHz	-46.19 dBm	-33.19 dB

Date: 4.NOV.2015 20:47:54

Middle Channel / QPSK

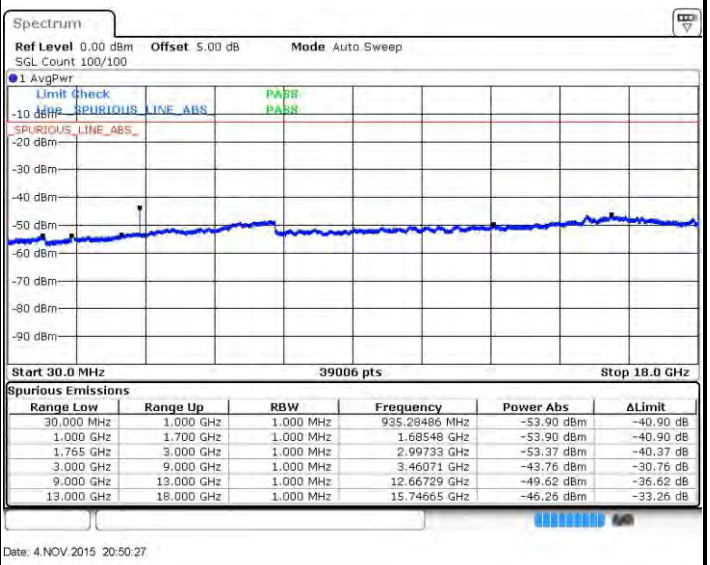


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-53.86 dBm	-40.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68548 GHz	-53.43 dBm	-40.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99979 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46071 GHz	-43.15 dBm	-30.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65479 GHz	-49.73 dBm	-36.73 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75290 GHz	-46.37 dBm	-33.37 dB

Date: 4.NOV.2015 20:49:31

Middle Channel / 16QAM



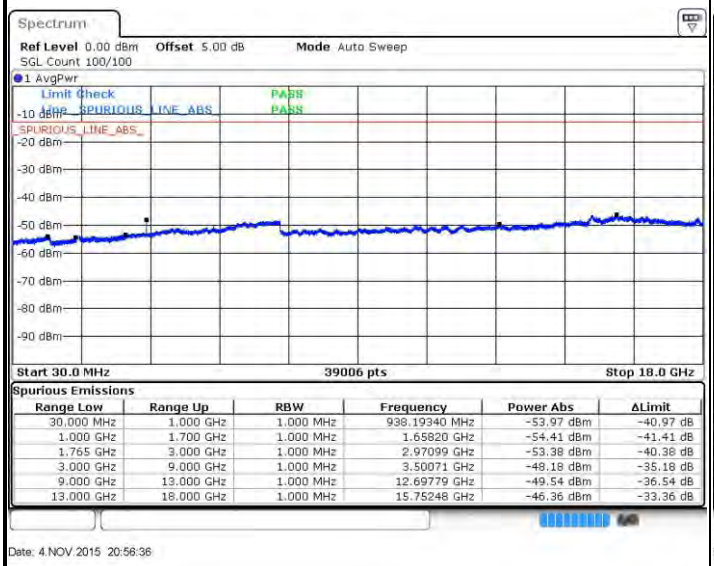
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-53.90 dBm	-40.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68548 GHz	-53.90 dBm	-40.90 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99733 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46071 GHz	-43.76 dBm	-30.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66729 GHz	-49.62 dBm	-36.62 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74665 GHz	-46.26 dBm	-33.26 dB

Date: 4.NOV.2015 20:50:27

LTE Band 4 / 5MHz

Highest Channel / QPSK

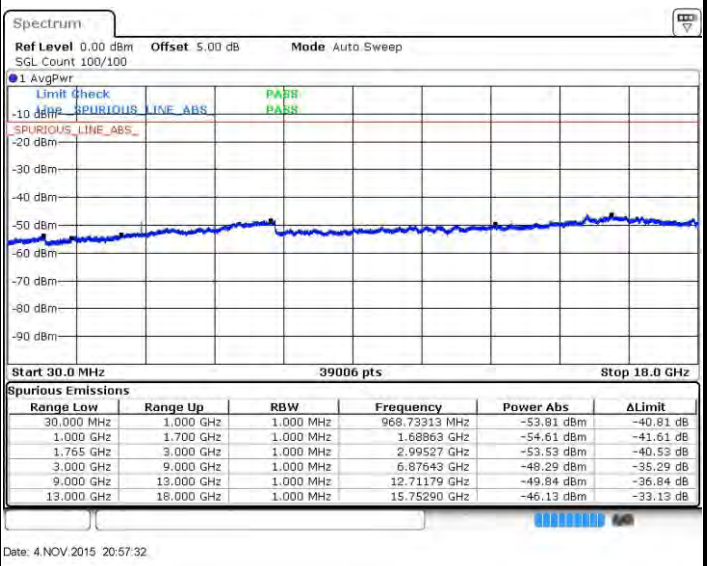


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-53.97 dBm	-40.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65820 GHz	-54.41 dBm	-41.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97099 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50071 GHz	-48.18 dBm	-35.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-49.54 dBm	-36.54 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75248 GHz	-46.36 dBm	-33.36 dB

Date: 4.NOV.2015 20:56:36

Highest Channel / 16QAM



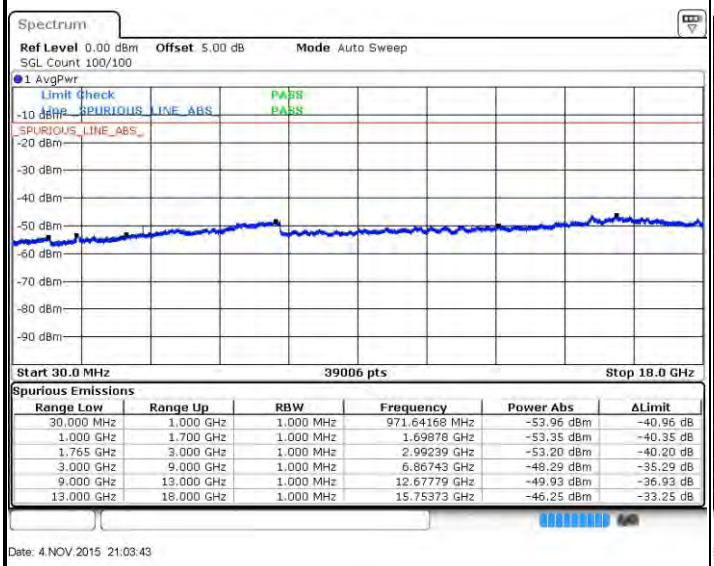
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.73313 MHz	-53.81 dBm	-40.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68863 GHz	-54.61 dBm	-41.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99527 GHz	-53.53 dBm	-40.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87643 GHz	-48.29 dBm	-35.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71179 GHz	-49.84 dBm	-36.84 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75290 GHz	-46.13 dBm	-33.13 dB

Date: 4.NOV.2015 20:57:32

LTE Band 4 / 10MHz

Lowest Channel / QPSK

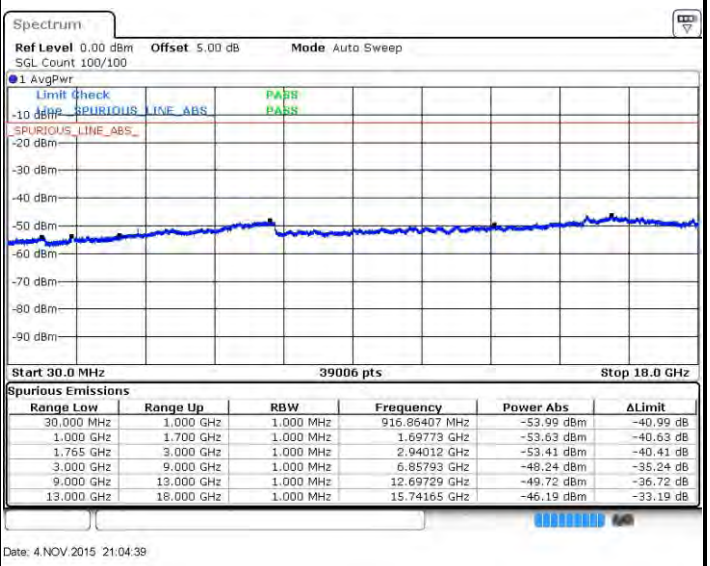


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.64168 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-53.35 dBm	-40.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99239 GHz	-53.20 dBm	-40.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86743 GHz	-48.29 dBm	-35.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67779 GHz	-49.93 dBm	-36.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75373 GHz	-46.25 dBm	-33.25 dB

Date: 4.NOV.2015 21:03:43

Lowest Channel / 16QAM



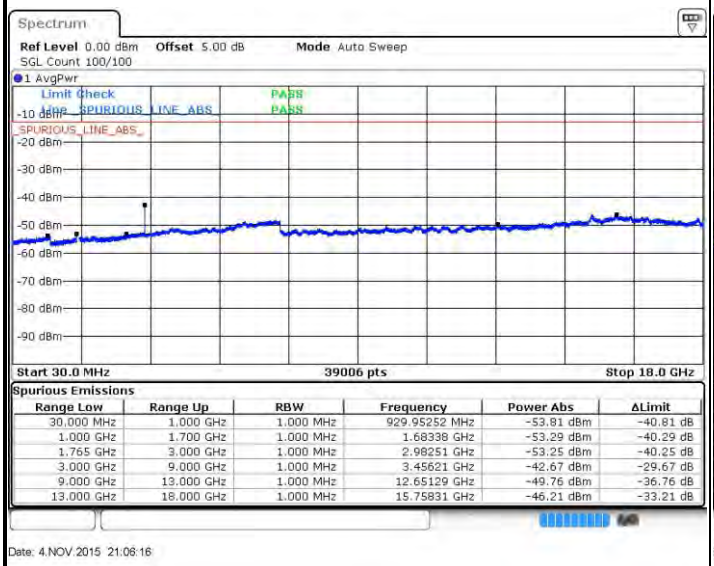
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.86407 MHz	-53.99 dBm	-40.99 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-53.63 dBm	-40.63 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.94012 GHz	-53.41 dBm	-40.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85793 GHz	-48.24 dBm	-35.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69729 GHz	-49.72 dBm	-36.72 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74165 GHz	-46.19 dBm	-33.19 dB

Date: 4.NOV.2015 21:04:39

LTE Band 4 / 10MHz

Middle Channel / QPSK

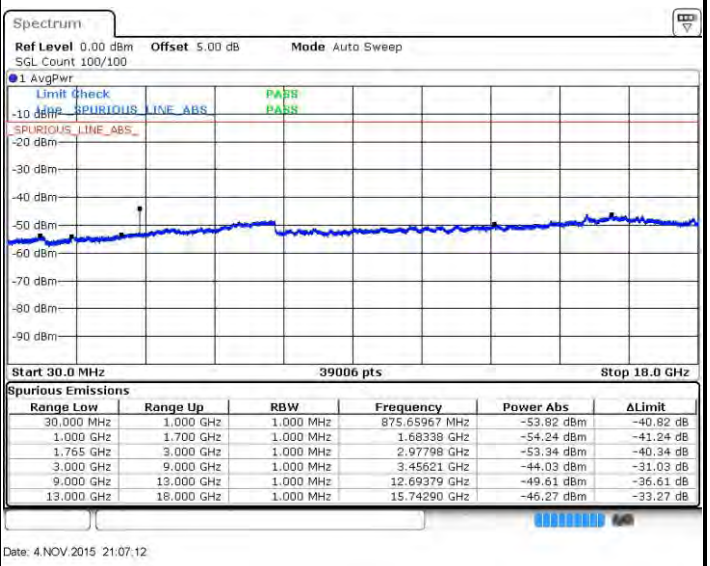


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-53.81 dBm	-40.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68338 GHz	-53.29 dBm	-40.29 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98251 GHz	-53.25 dBm	-40.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45621 GHz	-42.67 dBm	-29.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65129 GHz	-49.76 dBm	-36.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75831 GHz	-46.21 dBm	-33.21 dB

Date: 4.NOV.2015 21:06:16

Middle Channel / 16QAM

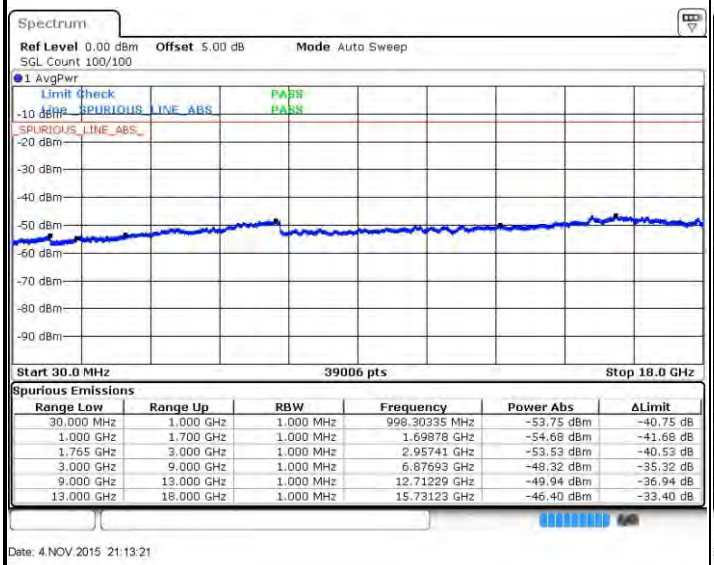


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.65967 MHz	-53.82 dBm	-40.82 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68338 GHz	-54.24 dBm	-41.24 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97798 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45621 GHz	-44.03 dBm	-31.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69379 GHz	-49.61 dBm	-36.61 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74290 GHz	-46.27 dBm	-33.27 dB

Date: 4.NOV.2015 21:07:12

Highest Channel / QPSK

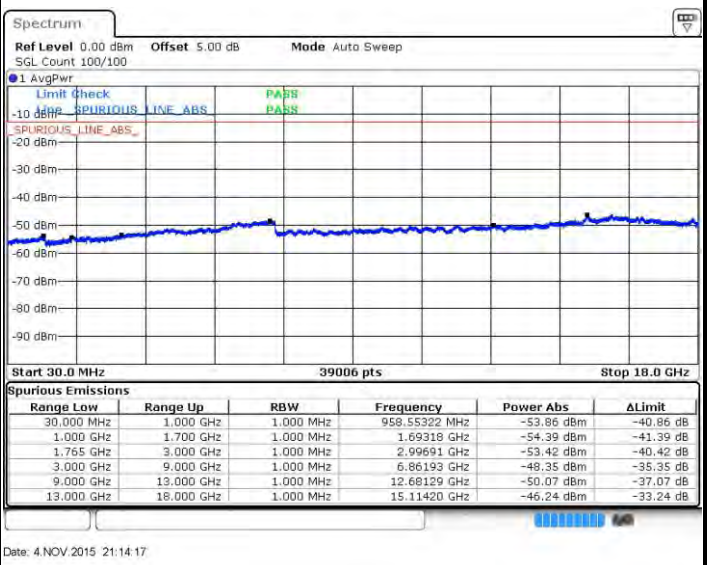


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-53.75 dBm	-40.75 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-54.68 dBm	-41.68 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95741 GHz	-53.53 dBm	-40.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87693 GHz	-48.32 dBm	-35.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71229 GHz	-49.94 dBm	-36.94 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73123 GHz	-46.40 dBm	-33.40 dB

Date: 4.NOV.2015 21:13:21

Highest Channel / 16QAM



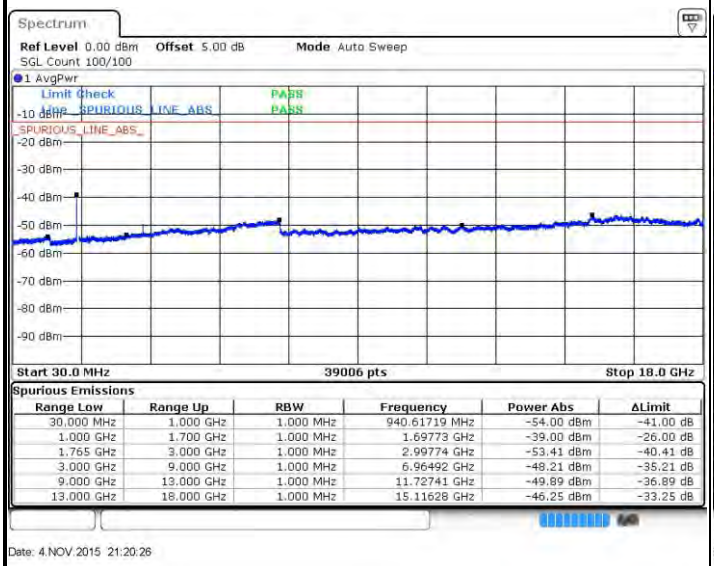
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-53.86 dBm	-40.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-54.39 dBm	-41.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99691 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86193 GHz	-48.35 dBm	-35.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68129 GHz	-50.07 dBm	-37.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.11420 GHz	-46.24 dBm	-33.24 dB

Date: 4.NOV.2015 21:14:17

LTE Band 4 / 15MHz

Lowest Channel / QPSK

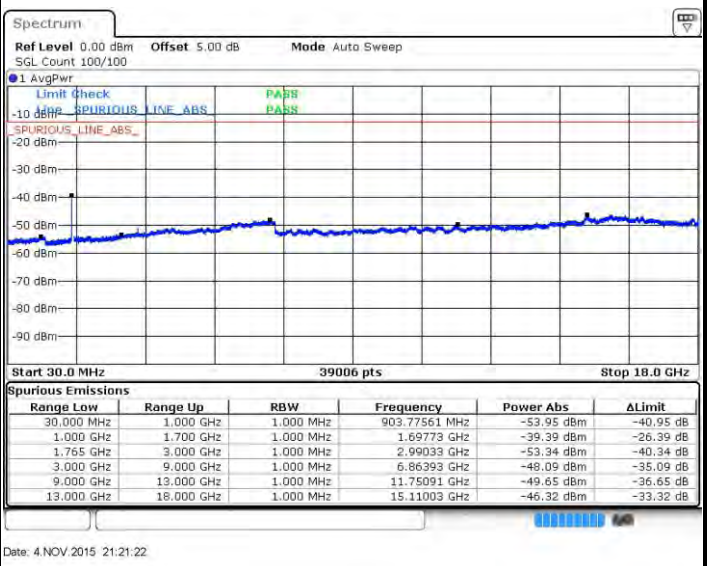


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.61719 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-39.00 dBm	-26.00 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99774 GHz	-53.41 dBm	-40.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96492 GHz	-48.21 dBm	-35.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.72741 GHz	-49.89 dBm	-36.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.11628 GHz	-46.25 dBm	-33.25 dB

Date: 4.NOV.2015 21:20:26

Lowest Channel / 16QAM

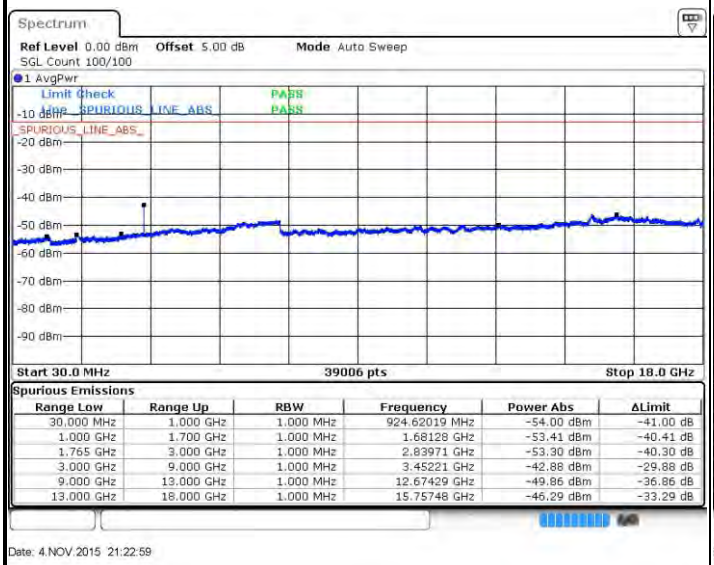


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-53.95 dBm	-40.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-39.39 dBm	-26.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99033 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86393 GHz	-48.09 dBm	-35.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75091 GHz	-49.65 dBm	-36.65 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.11003 GHz	-46.32 dBm	-33.32 dB

Date: 4.NOV.2015 21:21:22

Middle Channel / QPSK

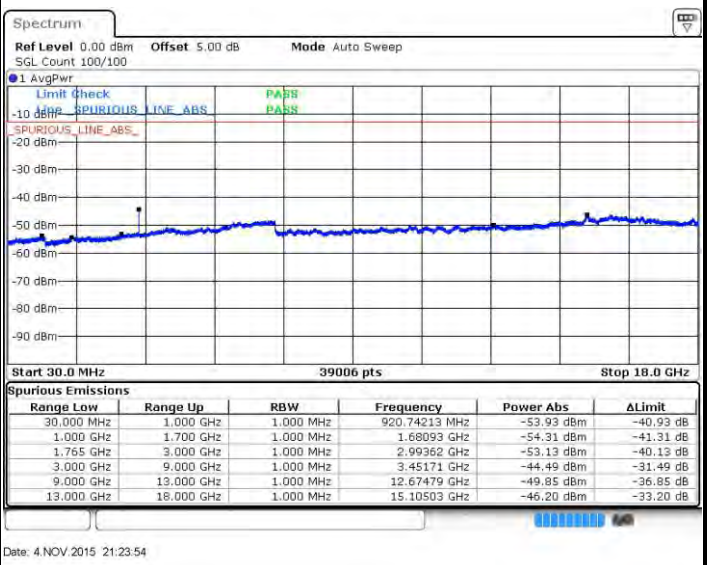


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68128 GHz	-53.41 dBm	-40.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83971 GHz	-53.30 dBm	-40.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45221 GHz	-42.88 dBm	-29.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67429 GHz	-49.86 dBm	-36.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75748 GHz	-46.29 dBm	-33.29 dB

Date: 4.NOV.2015 21:22:59

Middle Channel / 16QAM



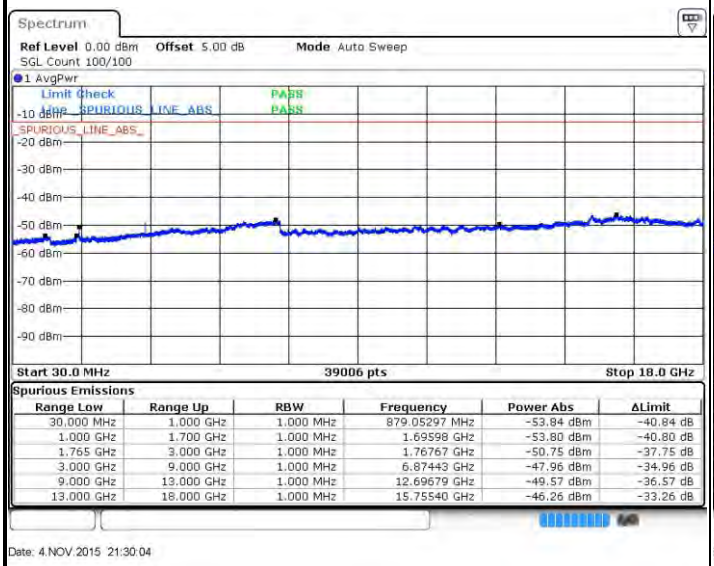
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-53.93 dBm	-40.93 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68093 GHz	-54.31 dBm	-41.31 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99362 GHz	-53.13 dBm	-40.13 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-44.49 dBm	-31.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67479 GHz	-49.85 dBm	-36.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.10503 GHz	-46.20 dBm	-33.20 dB

Date: 4.NOV.2015 21:23:54

LTE Band 4 / 15MHz

Highest Channel / QPSK

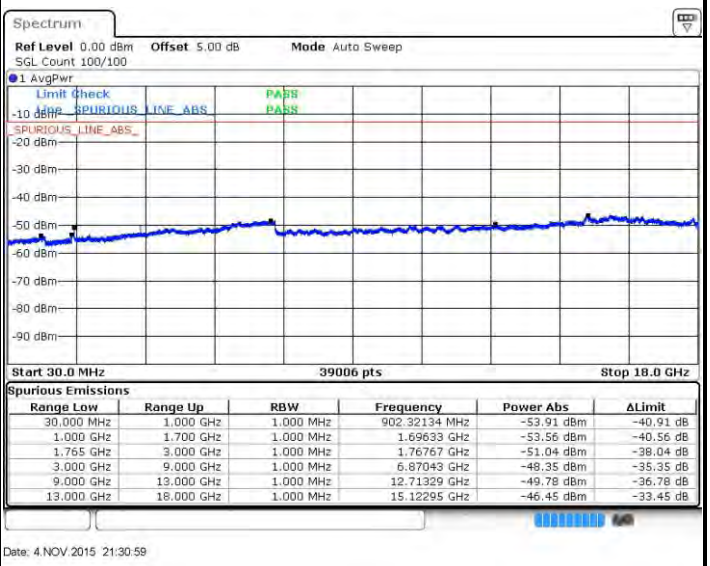


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	879.05297 MHz	-53.84 dBm	-40.84 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69598 GHz	-53.80 dBm	-40.80 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-50.75 dBm	-37.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87443 GHz	-47.96 dBm	-34.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-49.57 dBm	-36.57 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75540 GHz	-46.26 dBm	-33.26 dB

Date: 4.NOV.2015 21:30:04

Highest Channel / 16QAM



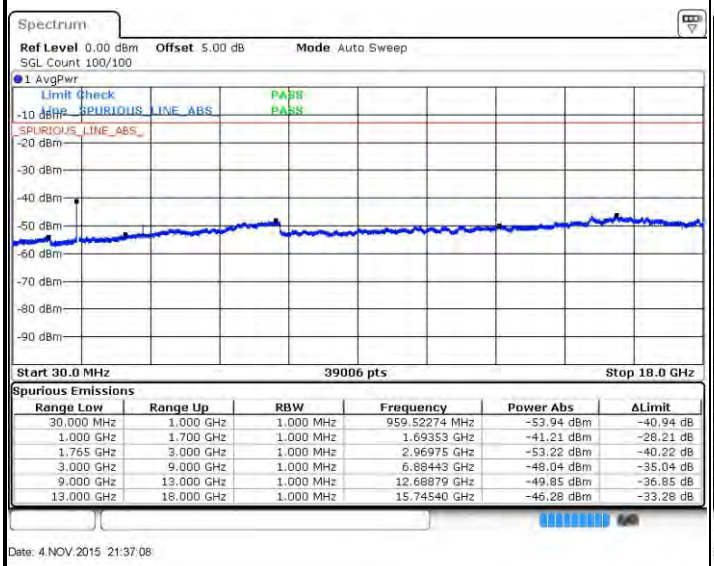
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.32134 MHz	-53.91 dBm	-40.91 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69633 GHz	-53.56 dBm	-40.56 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-51.04 dBm	-38.04 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87043 GHz	-48.35 dBm	-35.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71329 GHz	-49.78 dBm	-36.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.12295 GHz	-46.45 dBm	-33.45 dB

Date: 4.NOV.2015 21:30:59

LTE Band 4 / 20MHz

Lowest Channel / QPSK

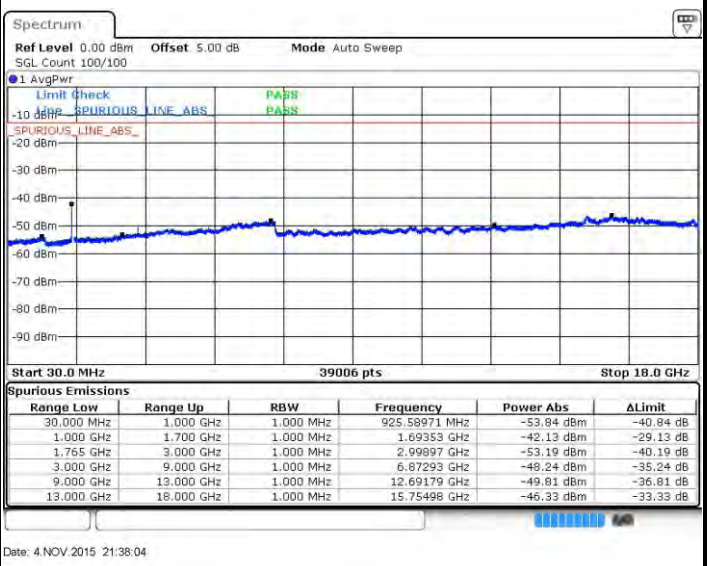


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.52274 MHz	-53.94 dBm	-40.94 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-41.21 dBm	-28.21 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96975 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88443 GHz	-48.04 dBm	-35.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68879 GHz	-49.85 dBm	-36.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74540 GHz	-46.28 dBm	-33.28 dB

Date: 4.NOV.2015 21:37:08

Lowest Channel / 16QAM



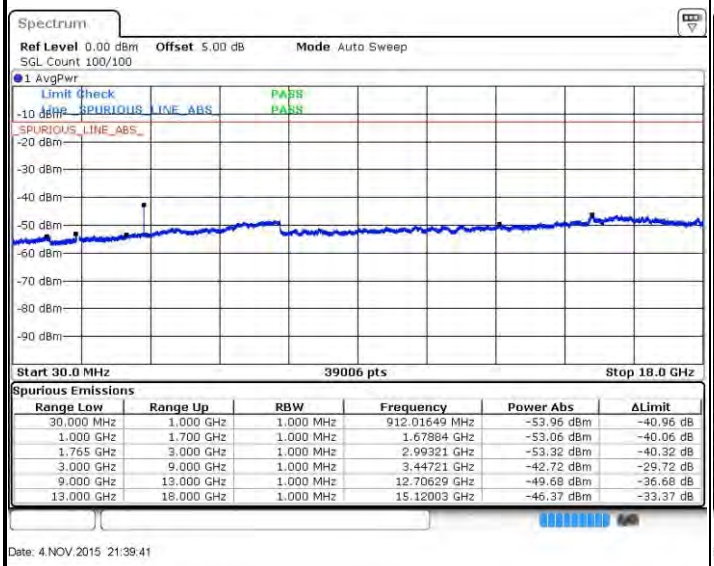
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-53.84 dBm	-40.84 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-42.13 dBm	-29.13 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99897 GHz	-53.19 dBm	-40.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87293 GHz	-48.24 dBm	-35.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69179 GHz	-49.81 dBm	-36.81 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75498 GHz	-46.33 dBm	-33.33 dB

Date: 4.NOV.2015 21:38:04

LTE Band 4 / 20MHz

Middle Channel / QPSK

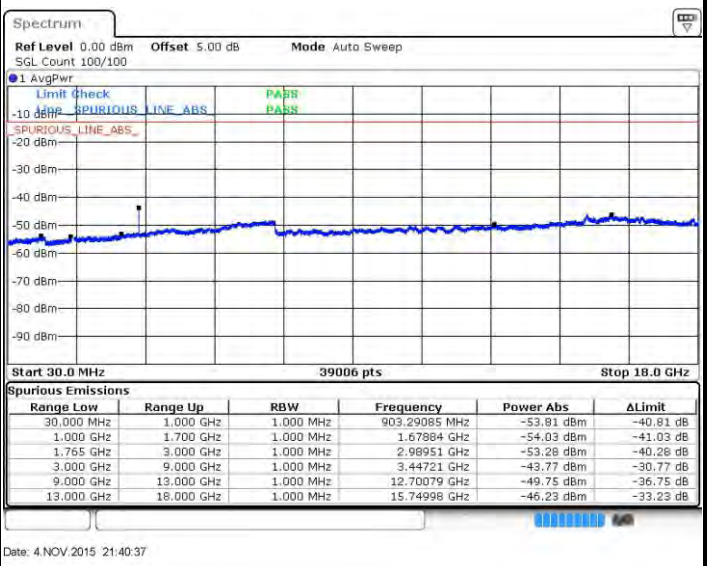


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67884 GHz	-53.06 dBm	-40.06 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99321 GHz	-53.32 dBm	-40.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-42.72 dBm	-29.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70629 GHz	-49.68 dBm	-36.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.12003 GHz	-46.37 dBm	-33.37 dB

Date: 4.NOV.2015 21:39:41

Middle Channel / 16QAM

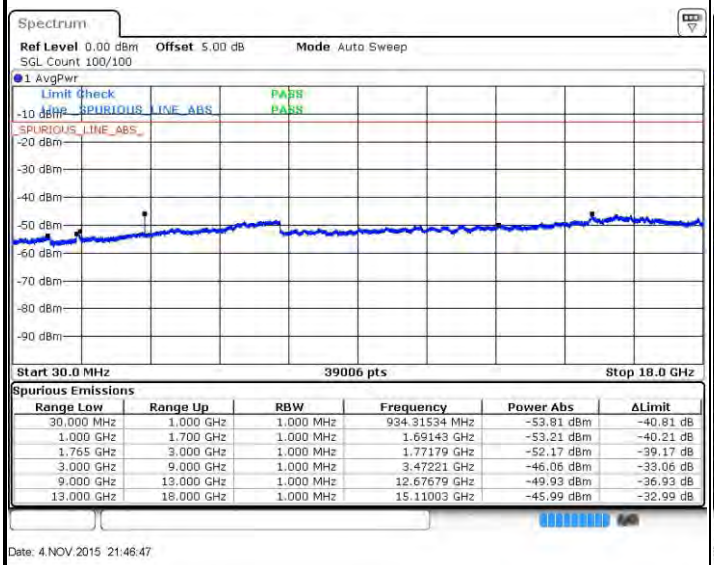


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.29085 MHz	-53.81 dBm	-40.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67884 GHz	-54.03 dBm	-41.03 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98951 GHz	-53.28 dBm	-40.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-43.77 dBm	-30.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70079 GHz	-49.75 dBm	-36.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74998 GHz	-46.23 dBm	-33.23 dB

Date: 4.NOV.2015 21:40:37

Highest Channel / QPSK

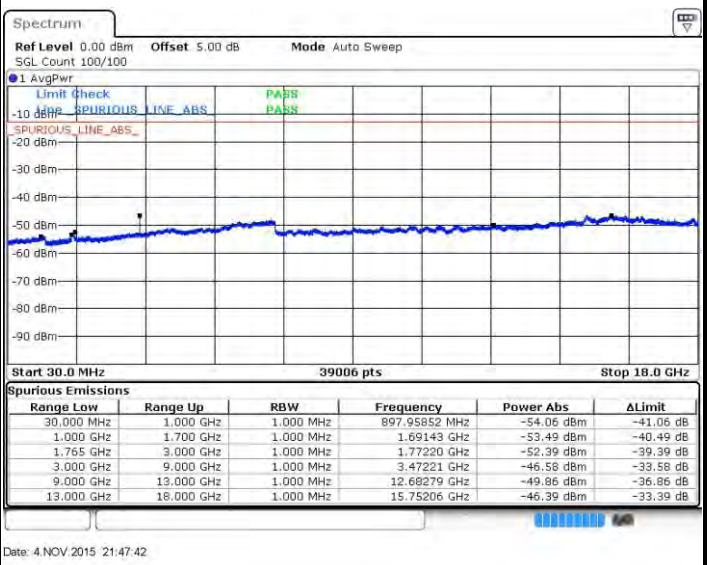


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.31534 MHz	-53.81 dBm	-40.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69143 GHz	-53.21 dBm	-40.21 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-52.17 dBm	-39.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-46.06 dBm	-33.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67679 GHz	-49.93 dBm	-36.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.11003 GHz	-45.99 dBm	-32.99 dB

Date: 4.NOV.2015 21:46:47

Highest Channel / 16QAM



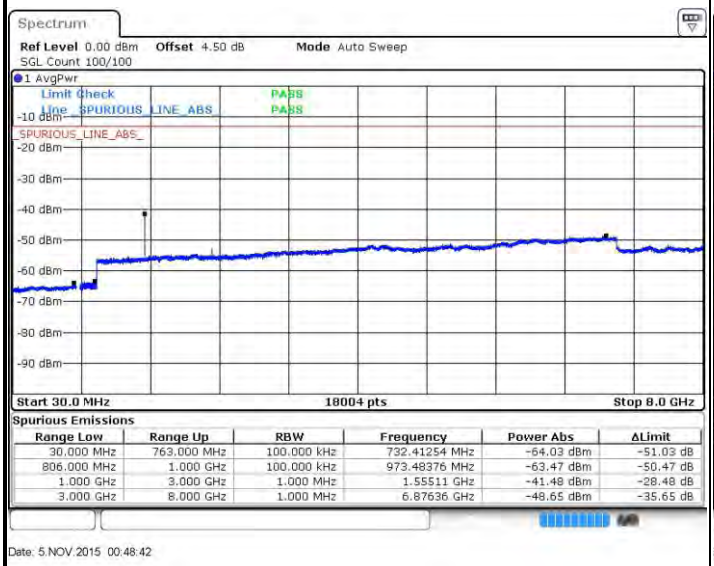
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.95852 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69143 GHz	-53.49 dBm	-40.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-52.39 dBm	-39.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-46.58 dBm	-33.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68279 GHz	-49.86 dBm	-36.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75206 GHz	-46.39 dBm	-33.39 dB

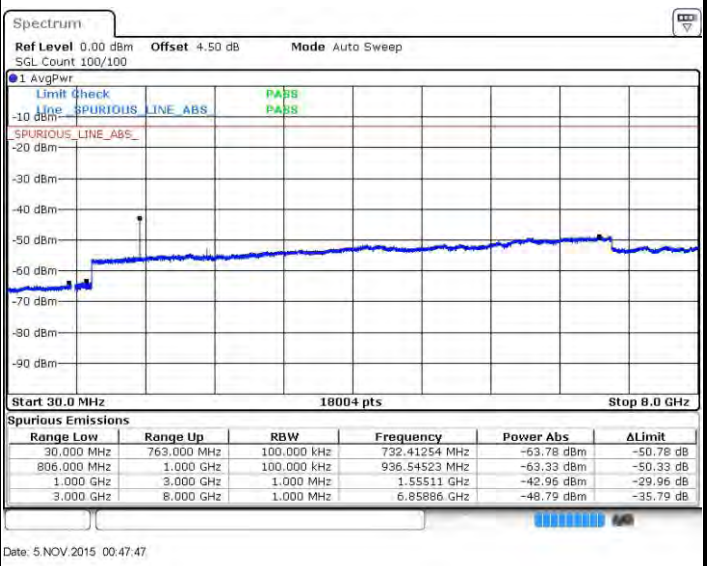
Date: 4.NOV.2015 21:47:42

LTE Band 13 / 5MHz

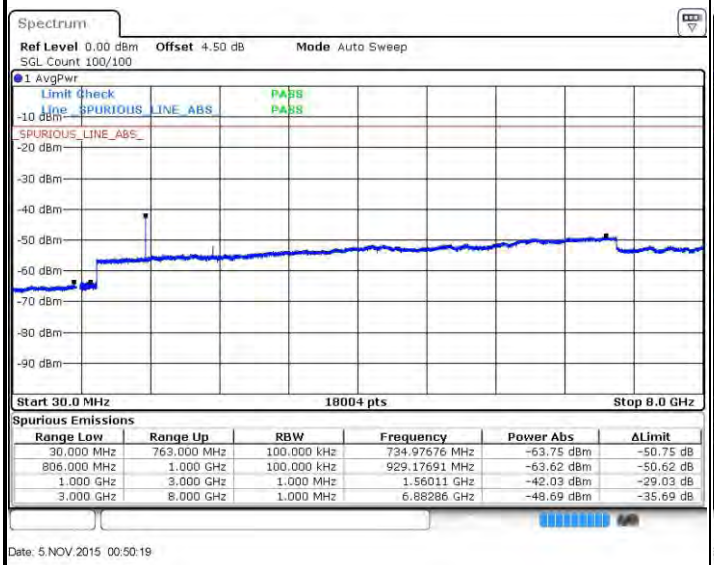
Lowest Channel / QPSK



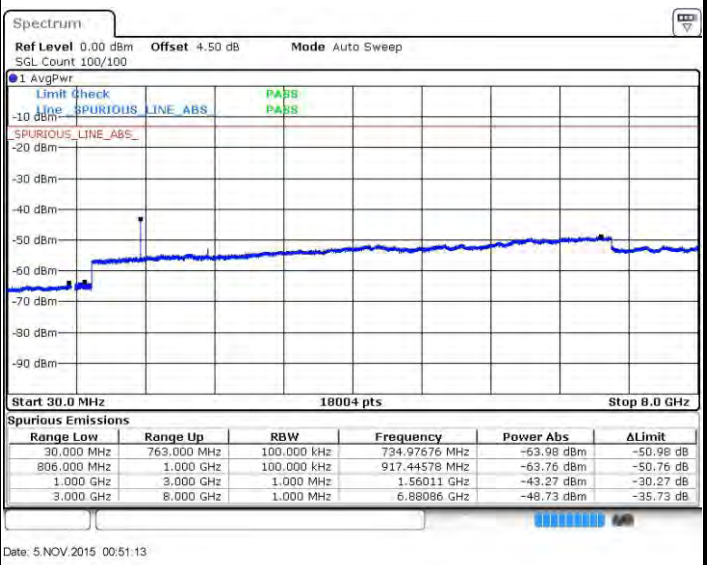
Lowest Channel / 16QAM



Middle Channel / QPSK

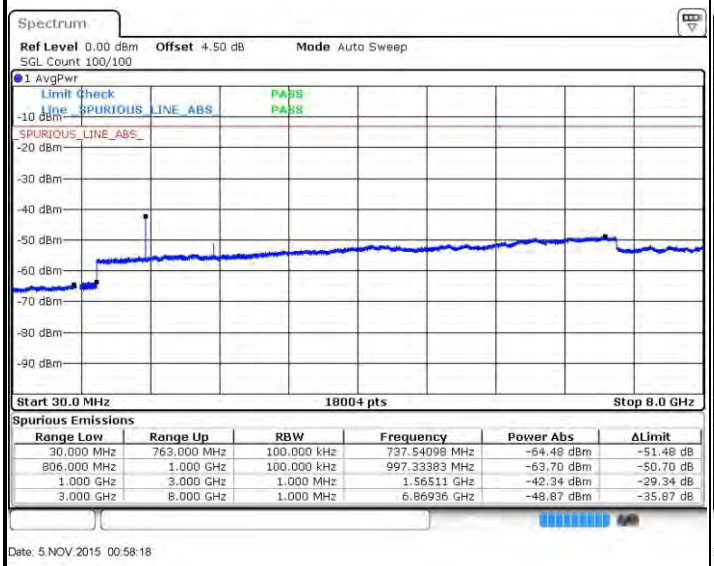


Middle Channel / 16QAM



LTE Band 13 / 5MHz

Highest Channel / QPSK

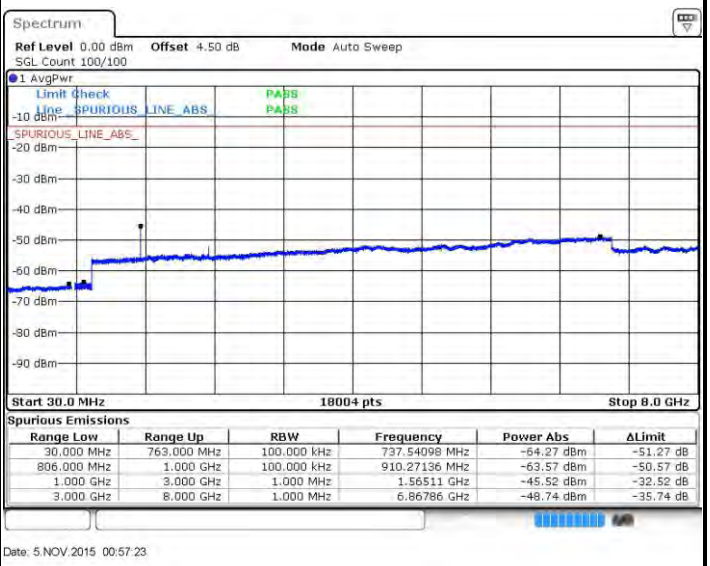


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	737.54098 MHz	-64.48 dBm	-51.48 dB
806.000 MHz	1.000 GHz	100.000 kHz	997.33383 MHz	-63.70 dBm	-50.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-42.34 dBm	-29.34 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.86936 GHz	-48.87 dBm	-35.87 dB

Date: 5.NOV.2015 00:58:18

Highest Channel / 16QAM



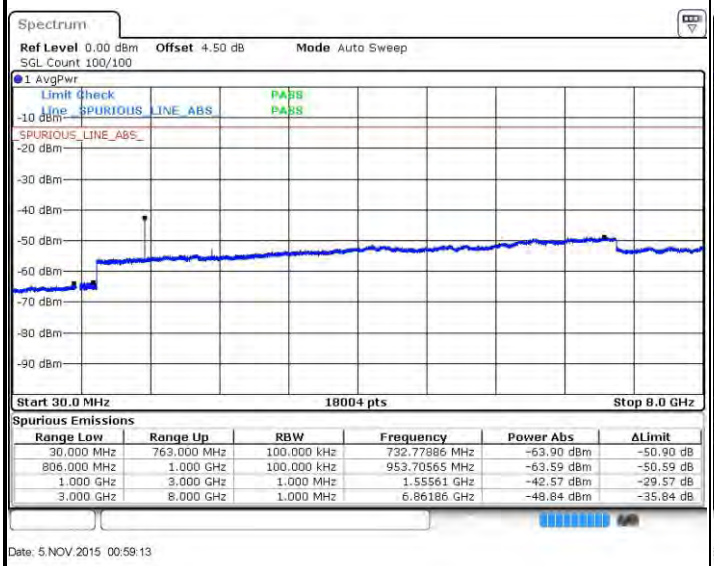
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	737.54098 MHz	-64.27 dBm	-51.27 dB
806.000 MHz	1.000 GHz	100.000 kHz	910.27136 MHz	-63.57 dBm	-50.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.52 dBm	-32.52 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.86786 GHz	-48.74 dBm	-35.74 dB

Date: 5.NOV.2015 00:57:23

LTE Band 13 / 10MHz

Middle Channel / QPSK

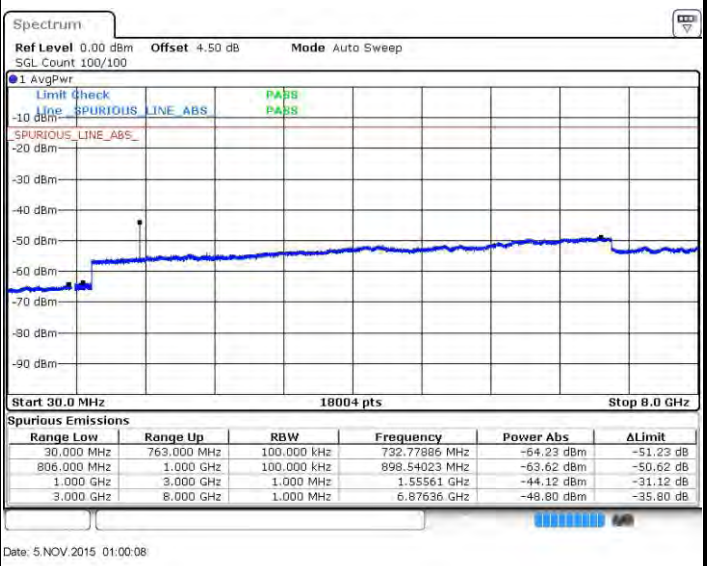


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.77886 MHz	-63.90 dBm	-50.90 dB
806.000 MHz	1.000 GHz	100.000 kHz	953.70565 MHz	-63.59 dBm	-50.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.86186 GHz	-48.84 dBm	-35.84 dB

Date: 5.NOV.2015 00:59:13

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.77886 MHz	-64.23 dBm	-51.23 dB
806.000 MHz	1.000 GHz	100.000 kHz	898.54023 MHz	-63.62 dBm	-50.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-44.12 dBm	-31.12 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.87636 GHz	-48.80 dBm	-35.80 dB

Date: 5.NOV.2015 01:00:08

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0156	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0115	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0110	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0127	
-30	Normal Voltage	0.0100	
20	Maximum Voltage	0.0150	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0104	

Note:

1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.5V.；Maximum Voltage =4.2V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0307	PASS
40	Normal Voltage	0.0422	
30	Normal Voltage	0.0243	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0448	
0	Normal Voltage	0.0345	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0371	
20	Maximum Voltage	0.0332	
20	Normal Voltage	0.0064	
20	Battery End Point	0.0281	

Note:

1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.5V.；Maximum Voltage =4.2V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.35	0.2163	23.59	0.2286
Middle		3	1	23.73	0.2360	23.91	0.2460
Highest		3	1	24.99	0.3155	24.25	0.2661
Lowest	16QAM	1	5	22.37	0.1726	22.63	0.1832
Middle		1	3	22.80	0.1905	23.05	0.2018
Highest		1	0	24.08	0.2559	23.39	0.2183
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.35	0.2163	23.63	0.2307
Middle		1	0	24.21	0.2636	24.28	0.2679
Highest		1	14	25.54	0.3581	24.70	0.2951
Lowest	16QAM	1	0	22.52	0.1786	22.79	0.1901
Middle		1	0	23.36	0.2168	23.44	0.2208
Highest		1	0	24.23	0.2649	23.80	0.2399
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.99	0.2506	24.04	0.2535
Middle		1	12	24.28	0.2679	24.46	0.2793
Highest		1	12	25.61	0.3639	25.08	0.3221
Lowest	16QAM	1	0	22.33	0.1710	22.59	0.1816
Middle		1	12	23.28	0.2128	23.21	0.2094
Highest		1	12	24.15	0.2600	23.69	0.2339
Limit	EIRP < 1W			Result		PASS	

LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.62	0.2301	23.86	0.2432
Middle		1	25	24.14	0.2594	24.49	0.2812
Highest		1	25	25.09	0.3228	24.88	0.3076
Lowest	16QAM	1	0	22.61	0.1824	22.85	0.1928
Middle		1	25	23.03	0.2009	23.14	0.2061
Highest		1	49	24.34	0.2716	23.59	0.2286
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.63	0.2307	23.82	0.2410
Middle		1	0	24.62	0.2897	24.38	0.2742
Highest		1	0	24.48	0.2805	24.58	0.2871
Lowest	16QAM	1	0	22.28	0.1690	22.51	0.1782
Middle		1	0	23.41	0.2193	23.23	0.2104
Highest		1	0	23.24	0.2109	23.45	0.2213
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.27	0.2123	23.08	0.2032
Middle		1	49	24.07	0.2553	24.22	0.2642
Highest		1	0	24.52	0.2831	24.64	0.2911
Lowest	16QAM	1	0	22.53	0.1791	22.73	0.1875
Middle		1	0	23.33	0.2153	23.21	0.2094
Highest		1	0	23.47	0.2223	23.58	0.2280
Limit	EIRP < 1W			Result		PASS	

LTE Band 13 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.63	0.0918	2.88	0.0019
Middle		1	0	19.59	0.0910	2.69	0.0019
Highest		1	0	19.64	0.0920	3.59	0.0023
Lowest	16QAM	1	12	18.50	0.0708	1.72	0.0015
Middle		1	0	18.52	0.0711	1.83	0.0015
Highest		1	0	18.92	0.0780	2.88	0.0019
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	25	20.05	0.1012	3.14	0.0021
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	19.20	0.0832	1.79	0.0015
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

Radiated Spurious Emission

LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-51.74	-13	-38.74	-65.87	-56.11	3.12	7.49	H
	5196	-48.30	-13	-35.30	-61.45	-54.10	3.65	9.45	H
	6927	-44.15	-13	-31.15	-61.01	-51.35	4.15	11.35	H
	3465	-52.36	-13	-39.36	-65.18	-56.73	3.12	7.49	V
	5196	-44.49	-13	-31.49	-58.5	-50.29	3.65	9.45	V
	6927	-46.12	-13	-33.12	-61.37	-53.32	4.15	11.35	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462	-51.74	-13	-38.74	-65.87	-56.11	3.12	7.49	H
	5193	-48.23	-13	-35.23	-61.38	-54.03	3.65	9.45	H
	6924	-45.51	-13	-32.51	-62.37	-52.71	4.15	11.35	H
	3462	-53.02	-13	-40.02	-65.84	-57.39	3.12	7.49	V
	5196	-45.32	-13	-32.32	-59.33	-51.12	3.65	9.45	V
	6924	-46.74	-13	-33.74	-61.99	-53.94	4.15	11.35	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462	-51.44	-13	-38.44	-65.57	-55.81	3.12	7.49	H
	5191	-49.04	-13	-36.04	-62.19	-54.84	3.65	9.45	H
	6921	-44.73	-13	-31.73	-61.59	-51.93	4.15	11.35	H
	3462	-53.30	-13	-40.30	-66.12	-57.67	3.12	7.49	V
	5192	-47.00	-13	-34.00	-61.01	-52.80	3.65	9.45	V
	6921	-46.66	-13	-33.66	-61.91	-53.86	4.15	11.35	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3456	-50.78	-13	-37.78	-64.91	-55.15	3.12	7.49	H
	5184	-48.22	-13	-35.22	-61.37	-54.02	3.65	9.45	H
	6912	-44.18	-13	-31.18	-61.04	-51.38	4.15	11.35	H
	3456	-52.75	-13	-39.75	-65.57	-57.12	3.12	7.49	V
	5184	-44.64	-13	-31.64	-58.65	-50.44	3.65	9.45	V
	6912	-46.75	-13	-33.75	-62	-53.95	4.15	11.35	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3453	-51.94	-13	-38.94	-66.07	-56.31	3.12	7.49	H
	5179	-49.34	-13	-36.34	-62.49	-55.14	3.65	9.45	H
	6906	-45.58	-13	-32.58	-62.44	-52.78	4.15	11.35	H
	3453	-53.25	-13	-40.25	-66.07	-57.62	3.12	7.49	V
	5179	-45.27	-13	-32.27	-59.28	-51.07	3.65	9.45	V
	6906	-47.58	-13	-34.58	-62.83	-54.78	4.15	11.35	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-51.12	-13	-38.12	-65.25	-55.49	3.12	7.49	H
	5171	-48.85	-13	-35.85	-62.00	-54.65	3.65	9.45	H
	6894	-43.49	-13	-30.49	-60.35	-50.69	4.15	11.35	H
	3447	-52.04	-13	-39.04	-64.86	-56.41	3.12	7.49	V
	5171	-45.35	-13	-32.35	-59.36	-51.15	3.65	9.45	V
	6894	-46.58	-13	-33.58	-61.83	-53.78	4.15	11.35	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-61.67	-13	-48.67	-58.09	-62.65	1.75	4.88	H
	2340	-56.60	-13	-43.60	-62.61	-58.22	2.16	5.93	H
	3120	-54.91	-13	-41.91	-65.33	-56.94	2.48	6.66	H
	1560	-59.16	-13	-46.16	-57.63	-60.14	1.75	4.88	V
	2340	-54.84	-13	-41.84	-62.82	-56.46	2.16	5.93	V
	3120	-53.22	-13	-40.22	-64.73	-55.25	2.48	6.66	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-61.39	-13	-48.39	-57.81	-62.37	1.75	4.88	H
	2333	-55.74	-13	-42.74	-61.75	-57.36	2.16	5.93	H
	3111	-54.27	-13	-41.27	-64.69	-56.30	2.48	6.66	H
	1556	-58.38	-13	-45.38	-56.85	-59.36	1.75	4.88	V
	2332	-53.65	-13	-40.65	-61.63	-55.27	2.16	5.93	V
	3111	-53.92	-13	-40.92	-65.43	-55.95	2.48	6.66	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.