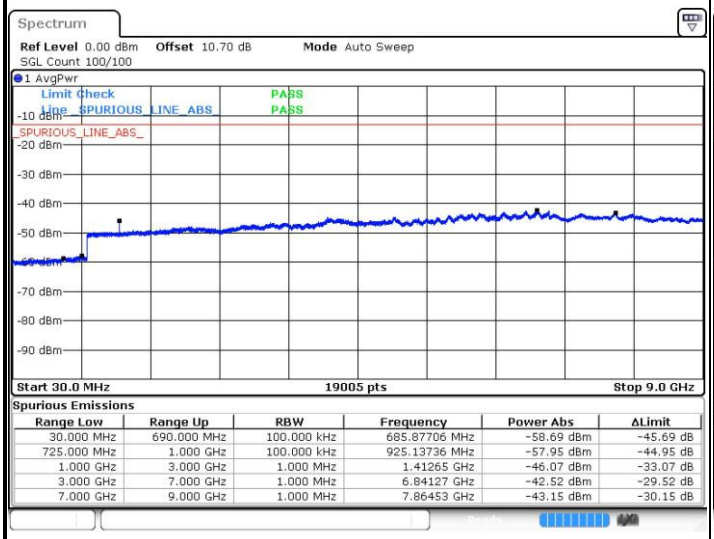
LTE Band 12 / 3MHz

Middle Channel / QPSK

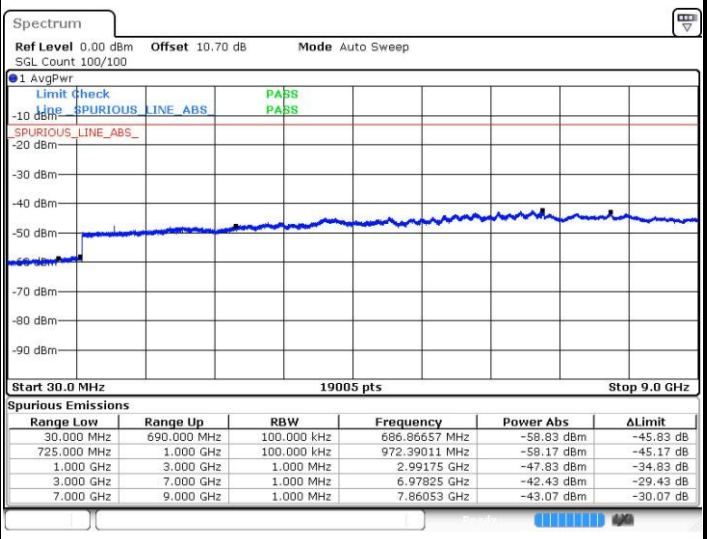


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.87706 MHz	-58.69 dBm	-45.69 dB
725.000 MHz	1.000 GHz	100.000 kHz	925.13736 MHz	-57.95 dBm	-44.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.07 dBm	-33.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84127 GHz	-42.52 dBm	-29.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86453 GHz	-43.15 dBm	-30.15 dB

Date: 21.DEC.2016 09:04:03

Middle Channel / 16QAM

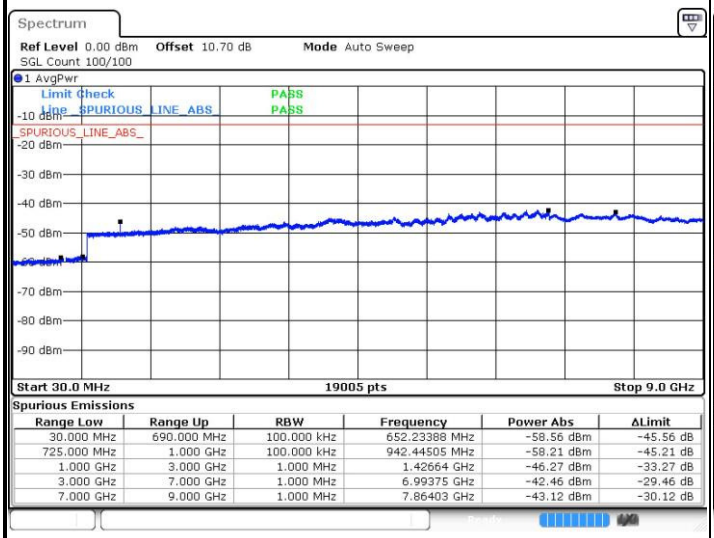


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.86657 MHz	-58.83 dBm	-45.83 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.39011 MHz	-58.17 dBm	-45.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99175 GHz	-47.83 dBm	-34.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97825 GHz	-42.43 dBm	-29.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86053 GHz	-43.07 dBm	-30.07 dB

Date: 21.DEC.2016 09:03:09

Highest Channel / QPSK

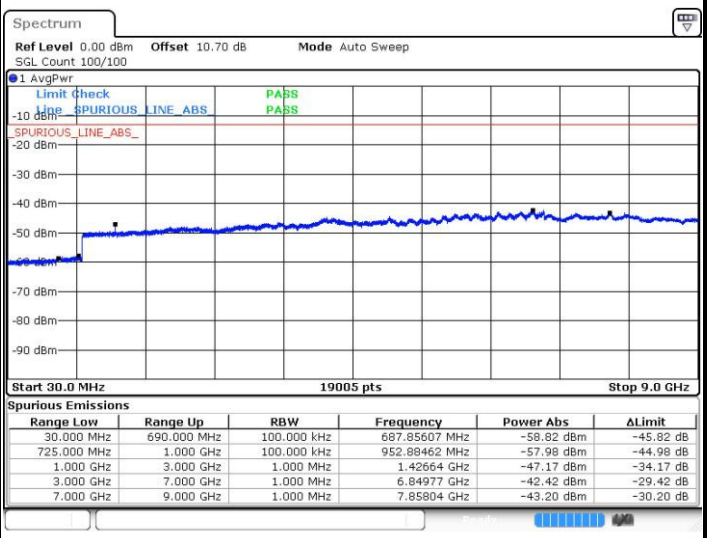


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	652.23388 MHz	-58.56 dBm	-45.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	942.44505 MHz	-58.21 dBm	-45.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-42.46 dBm	-29.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86403 GHz	-43.12 dBm	-30.12 dB

Date: 21.DEC.2016 09:10:15

Highest Channel / 16QAM



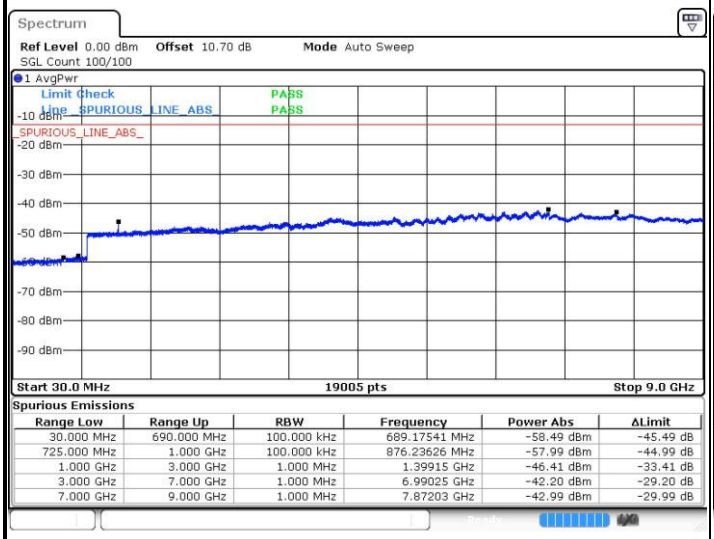
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-58.82 dBm	-45.82 dB
725.000 MHz	1.000 GHz	100.000 kHz	952.88462 MHz	-57.98 dBm	-44.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-47.17 dBm	-34.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84977 GHz	-42.42 dBm	-29.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85804 GHz	-43.20 dBm	-30.20 dB

Date: 21.DEC.2016 09:11:09

LTE Band 12 / 5MHz

Lowest Channel / QPSK

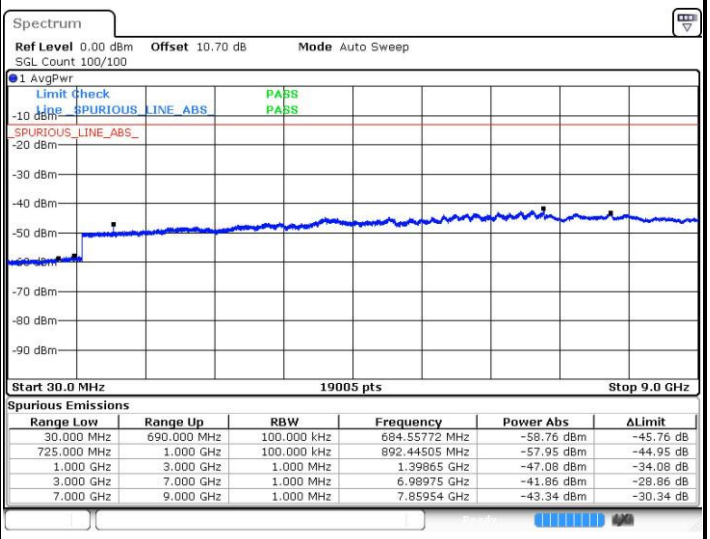


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-58.49 dBm	-45.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	876.23626 MHz	-57.99 dBm	-44.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.87203 GHz	-42.99 dBm	-29.99 dB

Date: 21.DEC.2016 09:17:21

Lowest Channel / 16QAM

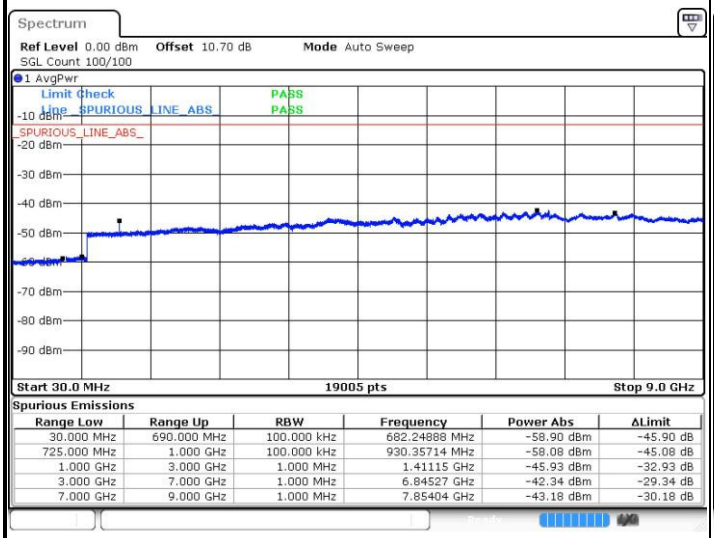


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.55772 MHz	-58.76 dBm	-45.76 dB
725.000 MHz	1.000 GHz	100.000 kHz	892.44505 MHz	-57.95 dBm	-44.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.08 dBm	-34.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-41.86 dBm	-28.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85954 GHz	-43.34 dBm	-30.34 dB

Date: 21.DEC.2016 09:18:15

Middle Channel / QPSK

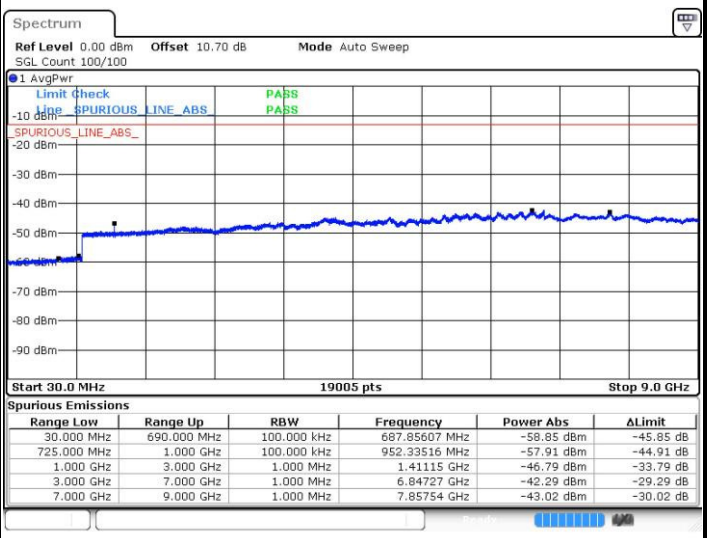


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.24888 MHz	-58.90 dBm	-45.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.35714 MHz	-58.08 dBm	-45.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-45.93 dBm	-32.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84527 GHz	-42.34 dBm	-29.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85404 GHz	-43.18 dBm	-30.18 dB

Date: 21.DEC.2016 09:20:44

Middle Channel / 16QAM



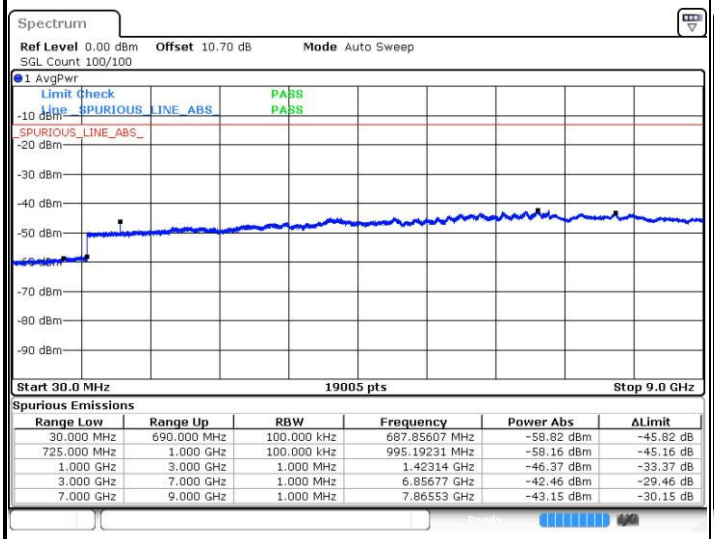
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-58.85 dBm	-45.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	952.33516 MHz	-57.91 dBm	-44.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84727 GHz	-42.29 dBm	-29.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85754 GHz	-43.02 dBm	-30.02 dB

Date: 21.DEC.2016 09:19:50

LTE Band 12 / 5MHz

Highest Channel / QPSK

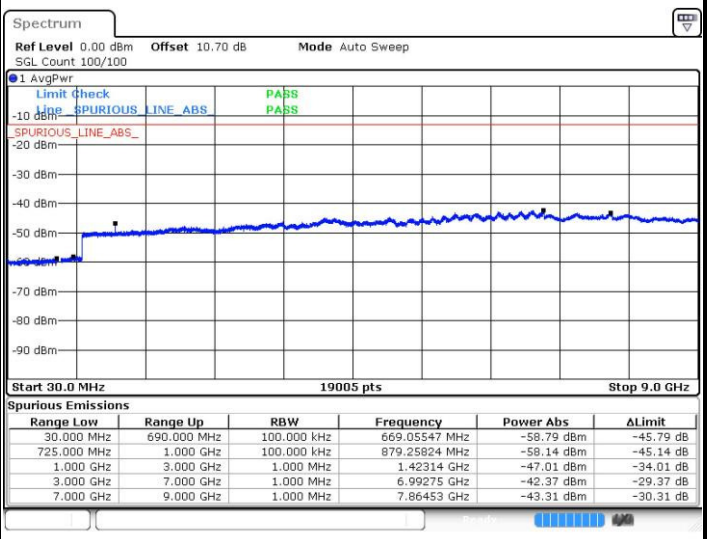


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-58.82 dBm	-45.82 dB
725.000 MHz	1.000 GHz	100.000 kHz	995.19231 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.37 dBm	-33.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85677 GHz	-42.46 dBm	-29.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86553 GHz	-43.15 dBm	-30.15 dB

Date: 21.DEC.2016 09:27:50

Highest Channel / 16QAM



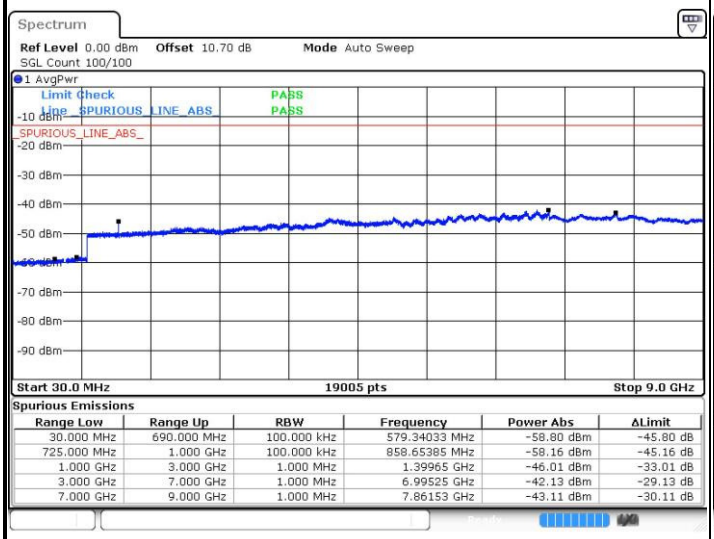
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	669.05547 MHz	-58.79 dBm	-45.79 dB
725.000 MHz	1.000 GHz	100.000 kHz	879.25824 MHz	-58.14 dBm	-45.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-47.01 dBm	-34.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-42.37 dBm	-29.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86453 GHz	-43.31 dBm	-30.31 dB

Date: 21.DEC.2016 09:26:56

LTE Band 12 / 10MHz

Lowest Channel / QPSK

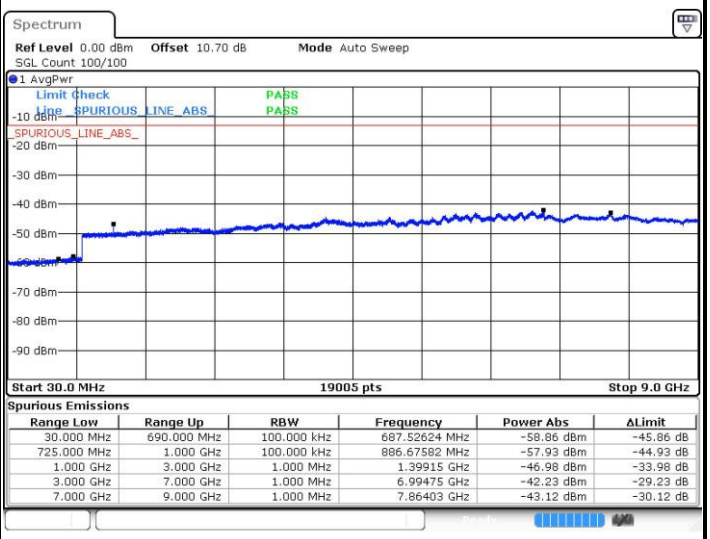


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	579.34033 MHz	-58.80 dBm	-45.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	858.65385 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-46.01 dBm	-33.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-42.13 dBm	-29.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86153 GHz	-43.11 dBm	-30.11 dB

Date: 21.DEC.2016 09:34:02

Lowest Channel / 16QAM



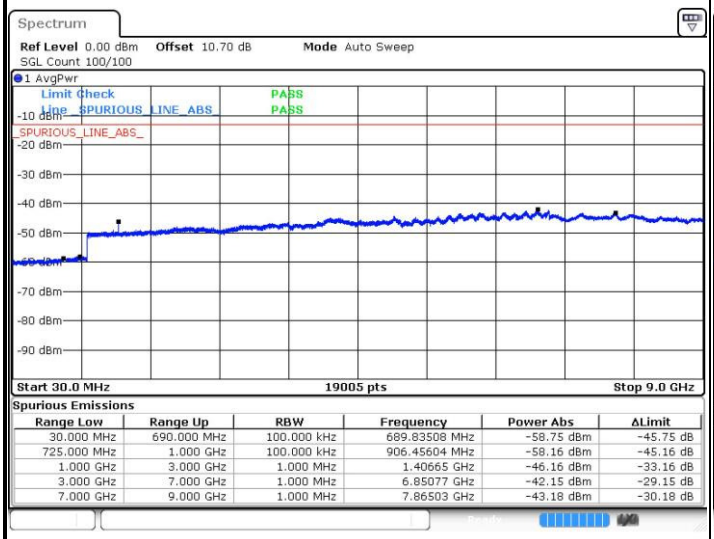
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.52624 MHz	-58.86 dBm	-45.86 dB
725.000 MHz	1.000 GHz	100.000 kHz	886.67582 MHz	-57.93 dBm	-44.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.98 dBm	-33.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-42.23 dBm	-29.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86403 GHz	-43.12 dBm	-30.12 dB

Date: 21.DEC.2016 09:34:56

LTE Band 12 / 10MHz

Middle Channel / QPSK

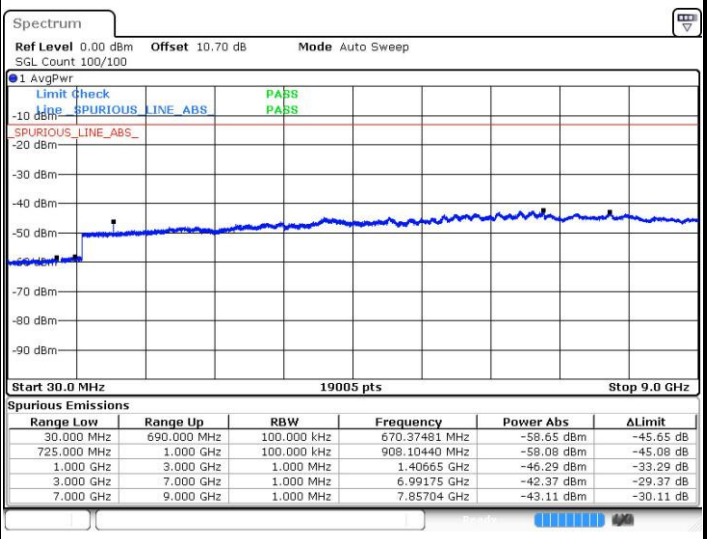


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-58.75 dBm	-45.75 dB
725.000 MHz	1.000 GHz	100.000 kHz	906.45604 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.16 dBm	-33.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85077 GHz	-42.15 dBm	-29.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86503 GHz	-43.18 dBm	-30.18 dB

Date: 21.DEC.2016 09:37:26

Middle Channel / 16QAM

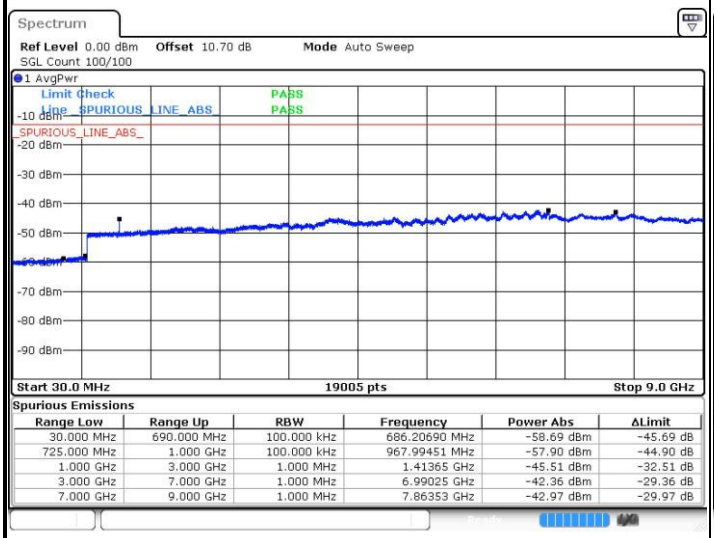


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.37481 MHz	-58.65 dBm	-45.65 dB
725.000 MHz	1.000 GHz	100.000 kHz	908.10440 MHz	-58.08 dBm	-45.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.29 dBm	-33.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.37 dBm	-29.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.11 dBm	-30.11 dB

Date: 21.DEC.2016 09:36:32

Highest Channel / QPSK

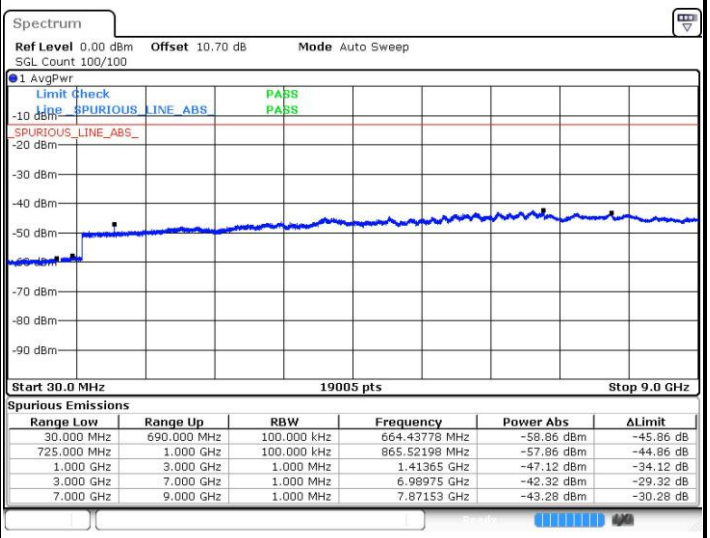


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.20690 MHz	-58.69 dBm	-45.69 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.99451 MHz	-57.90 dBm	-44.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.51 dBm	-32.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.36 dBm	-29.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86353 GHz	-42.97 dBm	-29.97 dB

Date: 21.DEC.2016 09:43:37

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	664.43778 MHz	-58.86 dBm	-45.86 dB
725.000 MHz	1.000 GHz	100.000 kHz	865.52198 MHz	-57.86 dBm	-44.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.12 dBm	-34.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-42.32 dBm	-29.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.87153 GHz	-43.28 dBm	-30.28 dB

Date: 21.DEC.2016 09:44:31

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0082	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0081	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

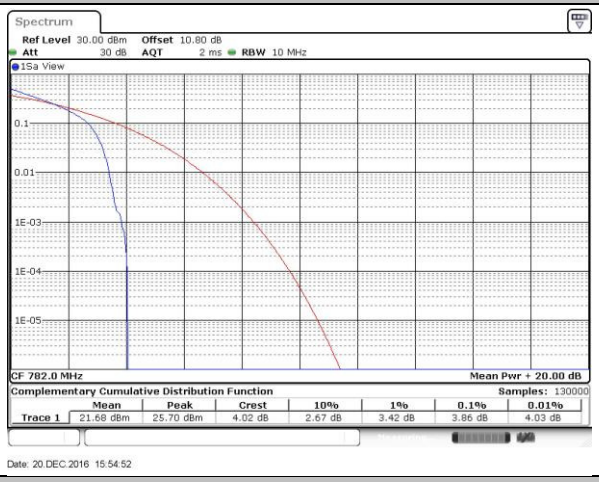
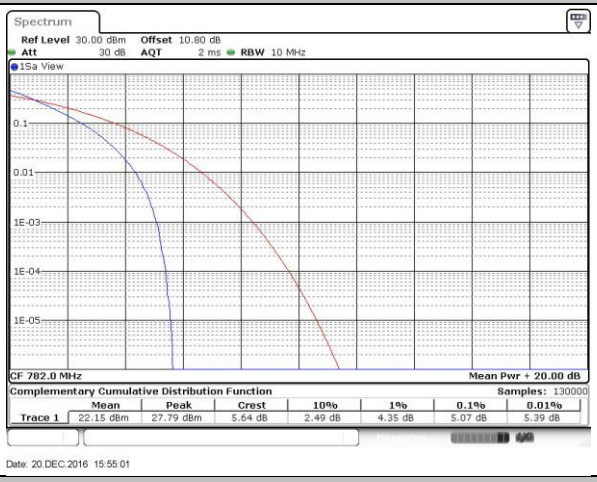
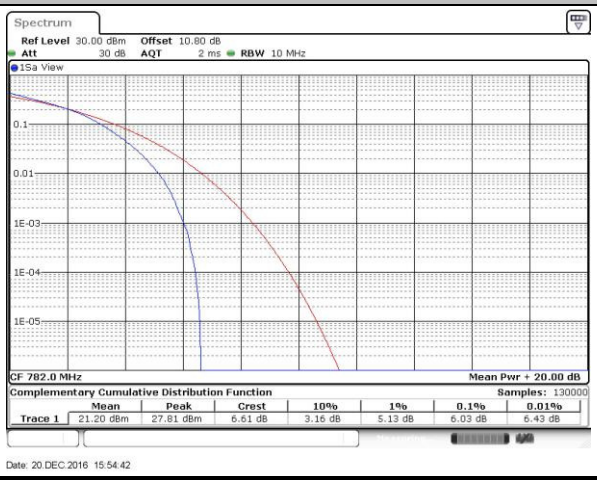
Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.86	5.07	4.7	6.03	
Highest CH	-	-	-	-	

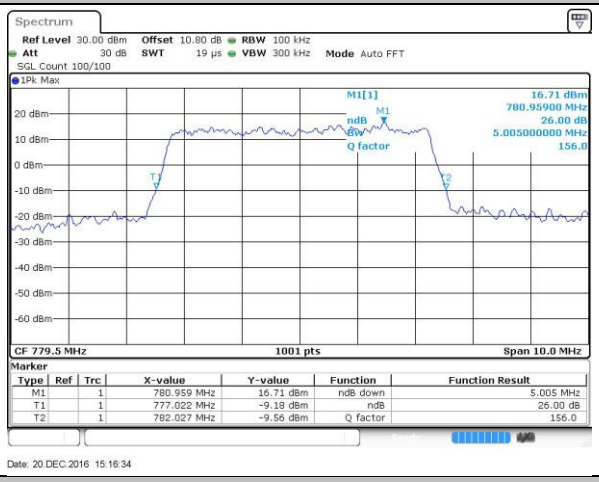
LTE Band 13 / 10MHz / QPSK	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	
LTE Band 13 / 10MHz / 16QAM	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	

26dB Bandwidth

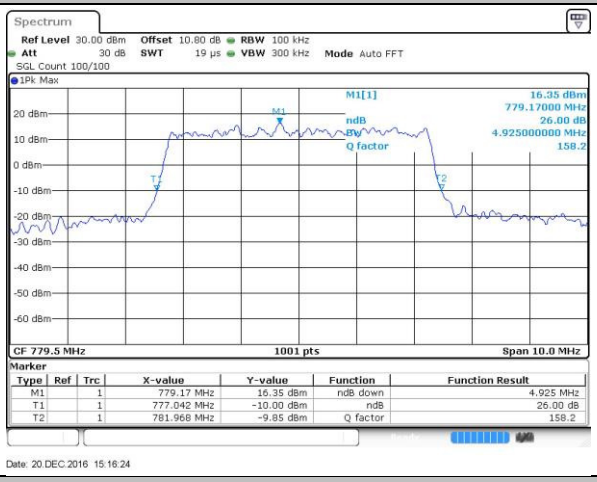
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.01	4.93	-	-	-	-	-	-
Middle CH	-	-	-	-	4.95	4.94	9.93	9.99	-	-	-	-
Highest CH	-	-	-	-	4.94	5.03	-	-	-	-	-	-

LTE Band 13

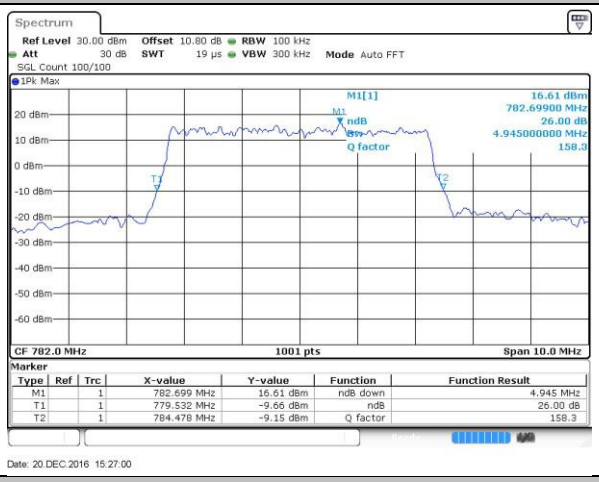
Lowest Channel / 5MHz / QPSK



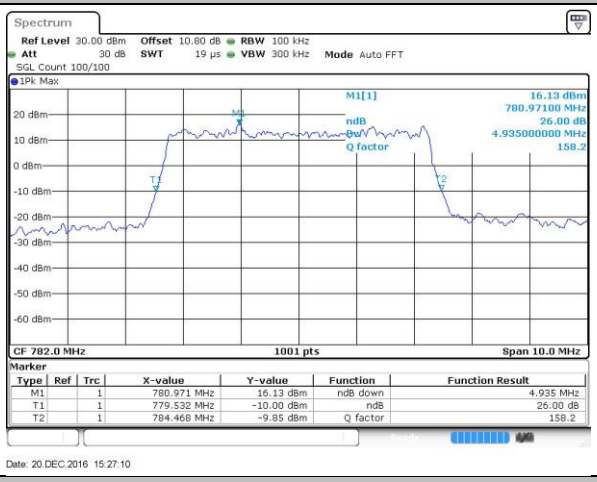
Lowest Channel / 5MHz / 16QAM



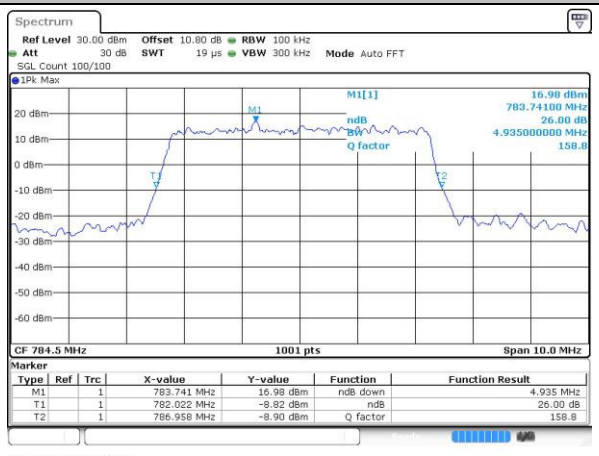
Middle Channel / 5MHz / QPSK



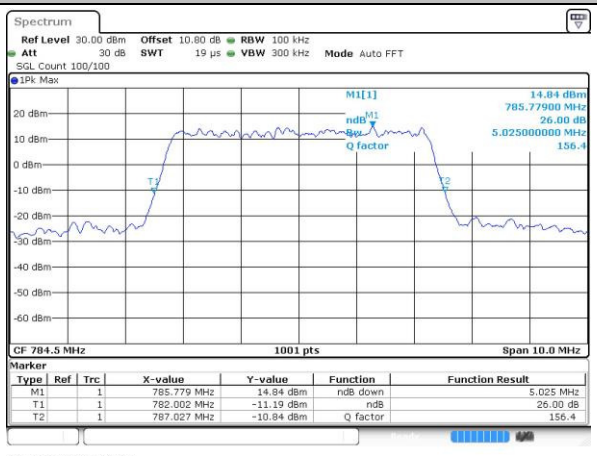
Middle Channel / 5MHz / 16QAM



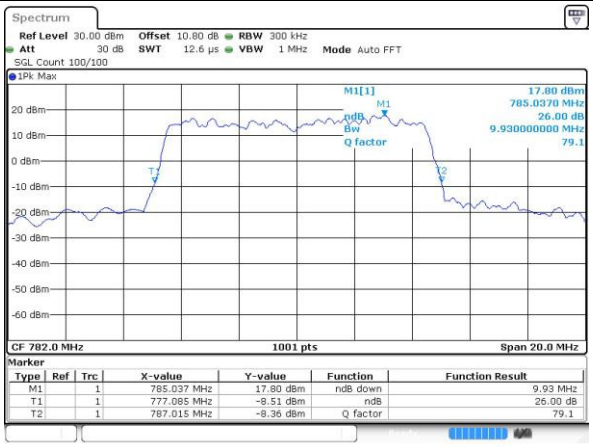
Highest Channel / 5MHz / QPSK

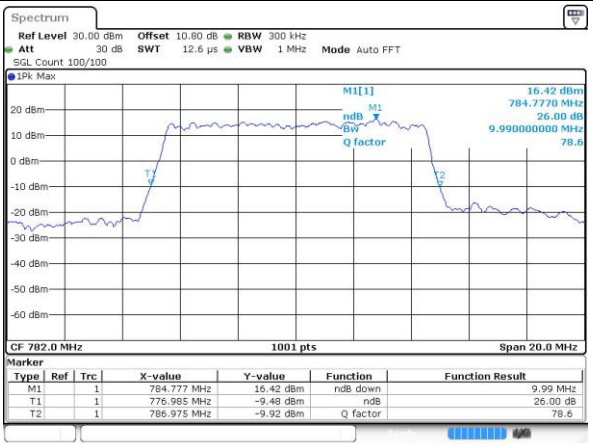


Highest Channel / 5MHz / 16QAM



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



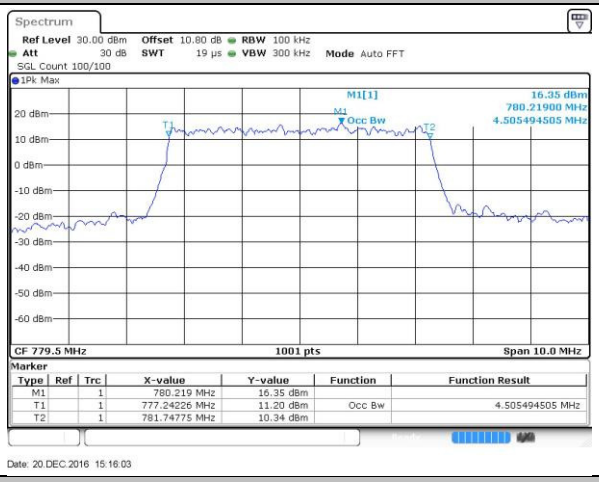


Occupied Bandwidth

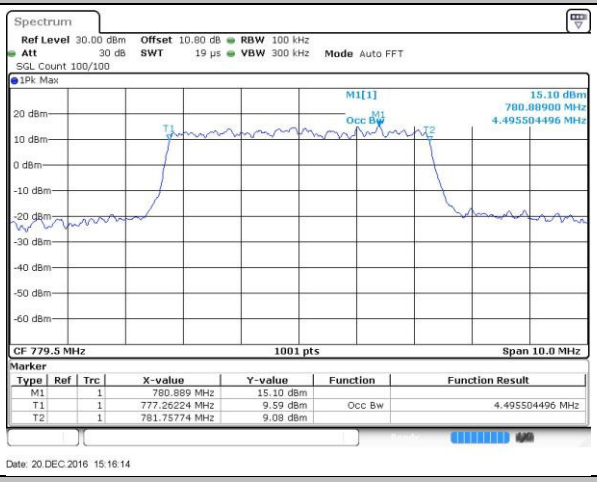
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.5	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.51	9.05	9.07	-	-	-	-
Highest CH	-	-	-	-	4.48	4.49	-	-	-	-	-	-

LTE Band 13

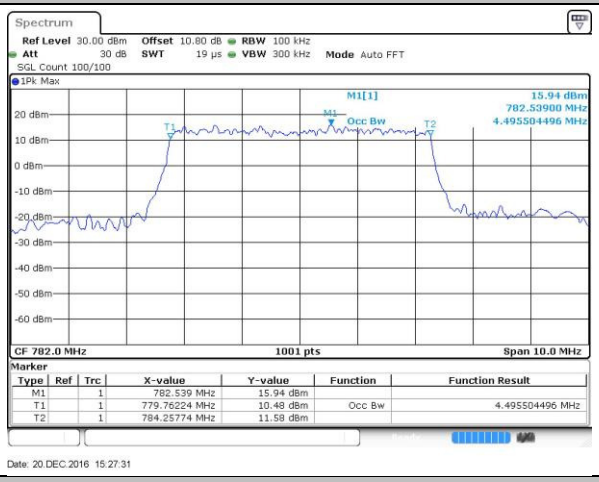
Lowest Channel / 5MHz / QPSK



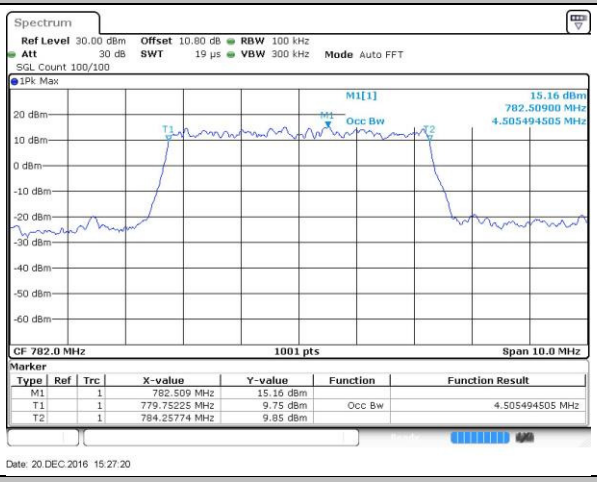
Lowest Channel / 5MHz / 16QAM



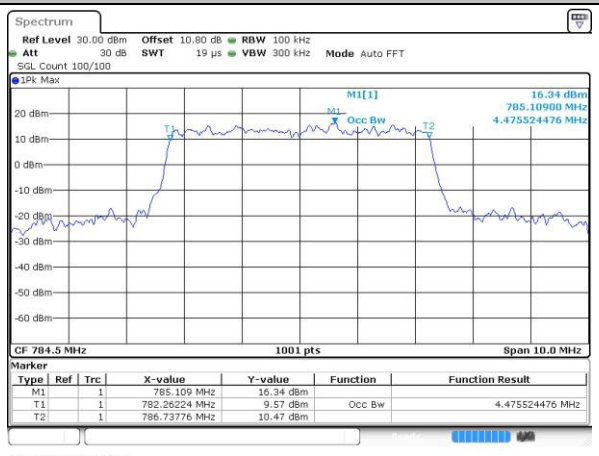
Middle Channel / 5MHz / QPSK



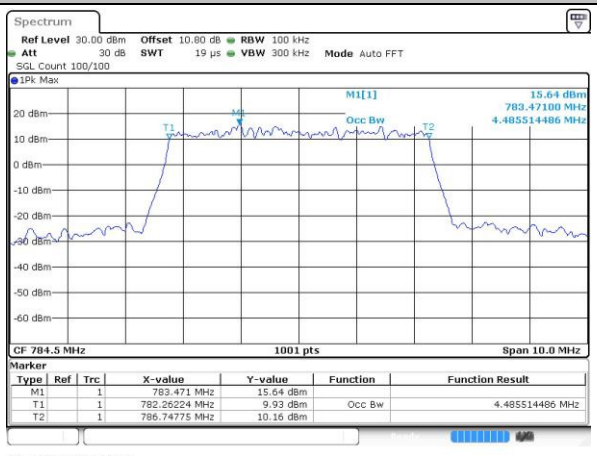
Middle Channel / 5MHz / 16QAM

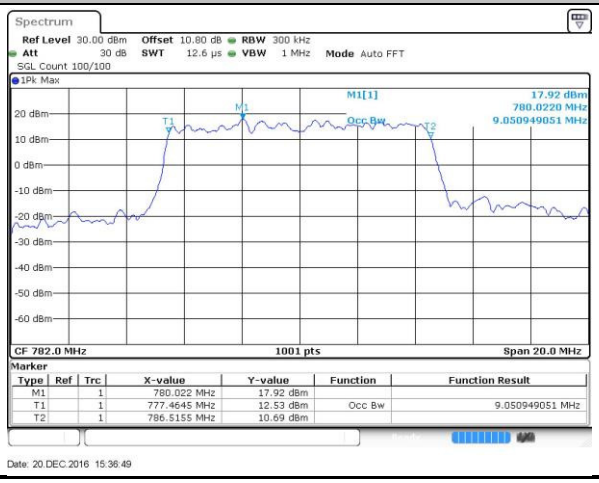
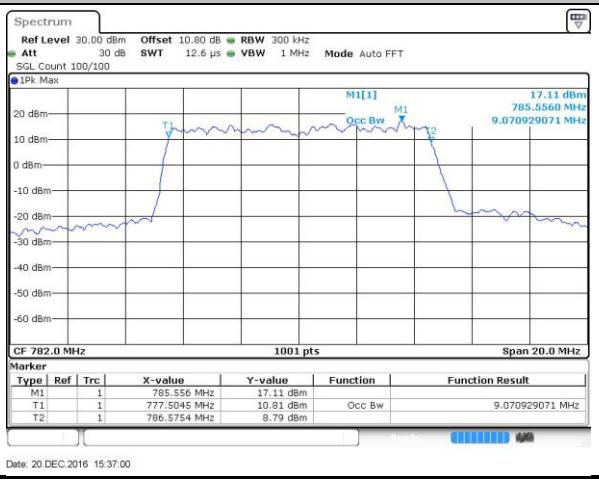


Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

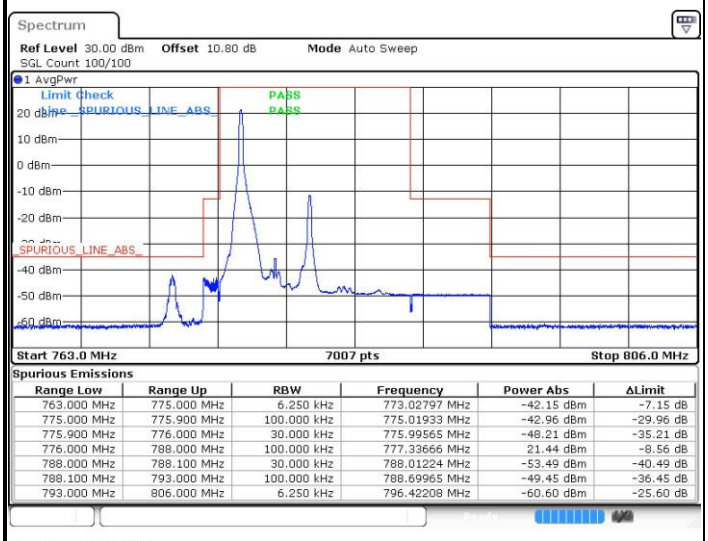


LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

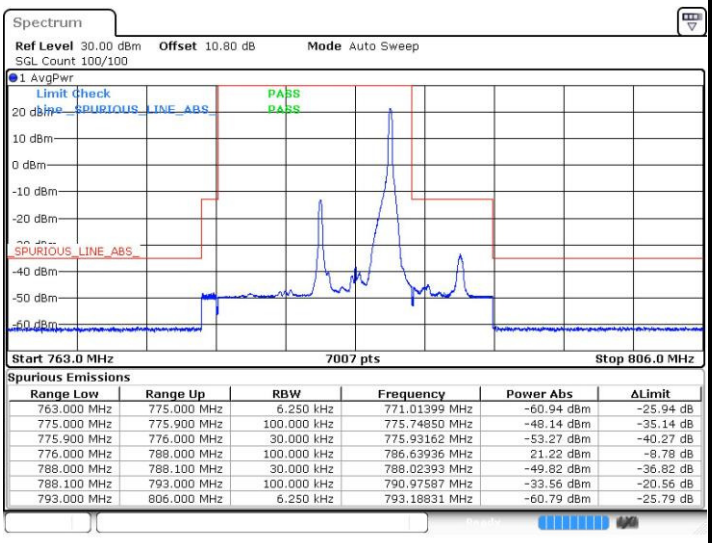


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.02797 MHz	-42.15 dBm	-7.15 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.01933 MHz	-42.96 dBm	-29.96 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99565 MHz	-48.21 dBm	-35.21 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	21.44 dBm	-8.56 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01224 MHz	-53.49 dBm	-40.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.69965 MHz	-49.45 dBm	-36.45 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.42208 MHz	-60.60 dBm	-25.60 dB

Date: 20.DEC.2016 15:23:11

Highest Band Edge / 1 RB

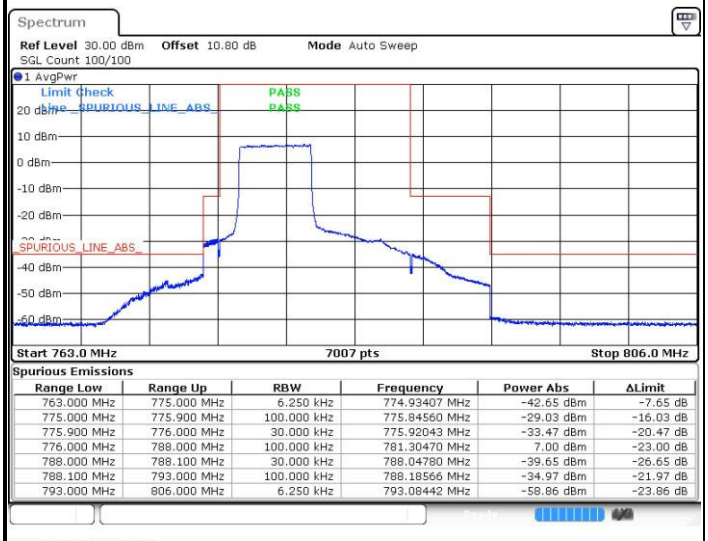


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.01399 MHz	-60.94 dBm	-25.94 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.74850 MHz	-48.14 dBm	-35.14 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93162 MHz	-53.27 dBm	-40.27 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	21.22 dBm	-8.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02393 MHz	-49.82 dBm	-36.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.97587 MHz	-33.56 dBm	-20.56 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.18831 MHz	-60.79 dBm	-25.79 dB

Date: 20.DEC.2016 15:34:50

Lowest Band Edge / Full RB

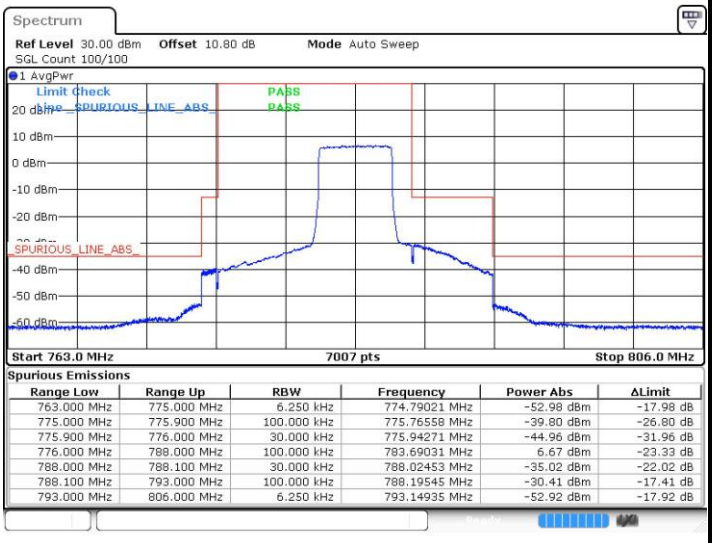


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.93407 MHz	-42.65 dBm	-7.65 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84560 MHz	-29.03 dBm	-16.03 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92043 MHz	-33.47 dBm	-20.47 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.30470 MHz	7.00 dBm	-23.00 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04780 MHz	-39.65 dBm	-26.65 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18566 MHz	-34.97 dBm	-21.97 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.08442 MHz	-58.86 dBm	-23.86 dB

Date: 20.DEC.2016 15:18:13

Highest Band Edge / Full RB



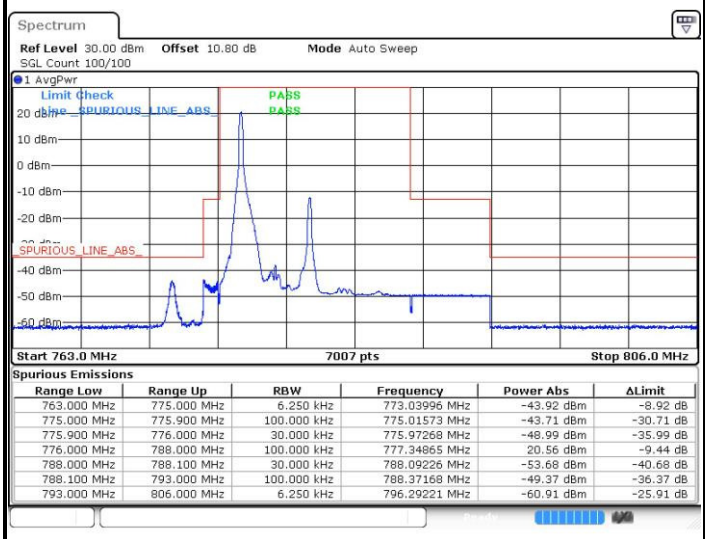
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.79021 MHz	-52.98 dBm	-17.98 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.76558 MHz	-39.80 dBm	-26.80 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94271 MHz	-44.96 dBm	-31.96 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.69031 MHz	6.67 dBm	-23.33 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02453 MHz	-35.02 dBm	-22.02 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.19545 MHz	-30.41 dBm	-17.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.14935 MHz	-52.92 dBm	-17.92 dB

Date: 20.DEC.2016 15:29:51

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge /1 RB

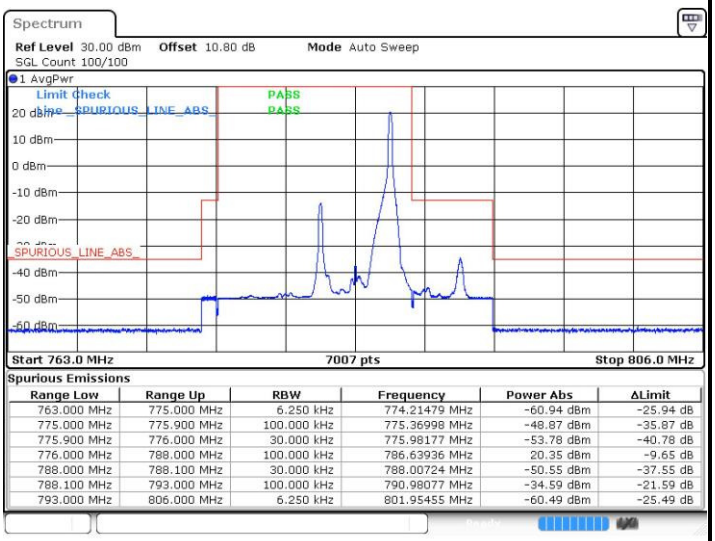


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.03996 MHz	-43.92 dBm	-8.92 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.01573 MHz	-43.71 dBm	-30.71 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97268 MHz	-48.99 dBm	-35.99 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	20.56 dBm	-9.44 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09226 MHz	-53.68 dBm	-40.68 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.37168 MHz	-49.37 dBm	-36.37 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.29221 MHz	-60.91 dBm	-25.91 dB

Date: 20.DEC.2016 15:21:32

Highest Band Edge / 1 RB

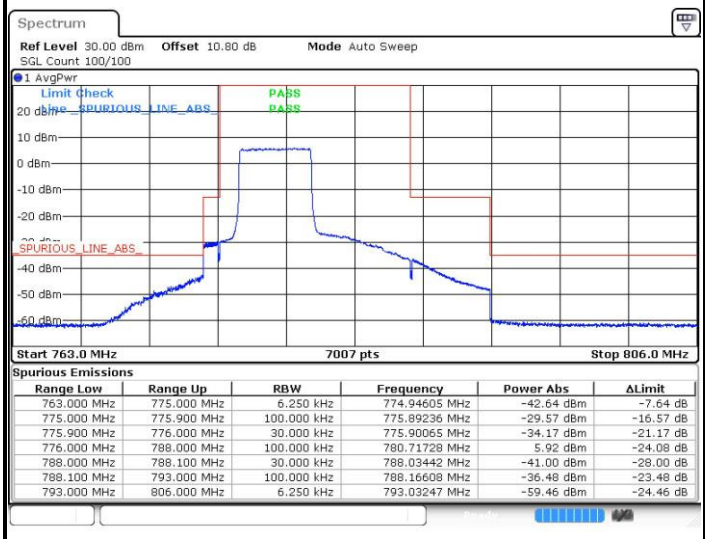


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.21479 MHz	-60.94 dBm	-25.94 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.36998 MHz	-48.87 dBm	-35.87 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98177 MHz	-53.78 dBm	-40.78 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	20.35 dBm	-9.65 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00724 MHz	-50.55 dBm	-37.55 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.98077 MHz	-34.59 dBm	-21.59 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.95455 MHz	-60.49 dBm	-25.49 dB

Date: 20.DEC.2016 15:33:10

Lowest Band Edge / Full RB

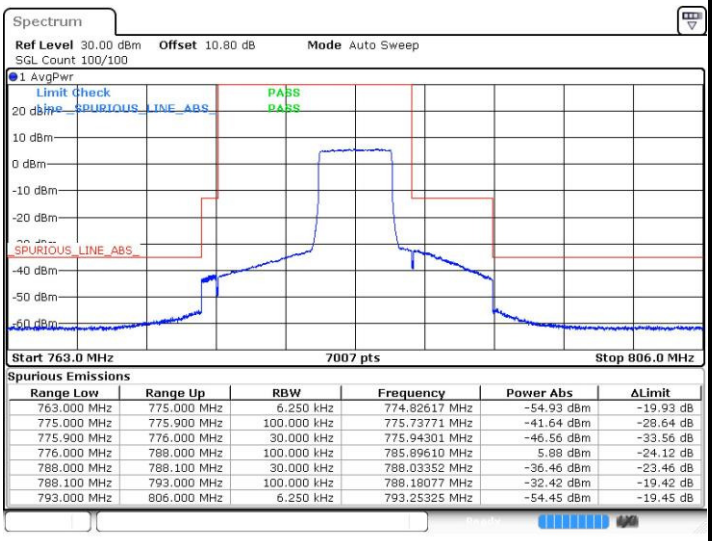


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.94605 MHz	-42.64 dBm	-7.64 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89236 MHz	-29.57 dBm	-16.57 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90065 MHz	-34.17 dBm	-21.17 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.71728 MHz	5.92 dBm	-24.08 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03442 MHz	-41.00 dBm	-28.00 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16608 MHz	-36.48 dBm	-23.48 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-59.46 dBm	-24.46 dB

Date: 20.DEC.2016 15:19:53

Highest Band Edge / Full RB



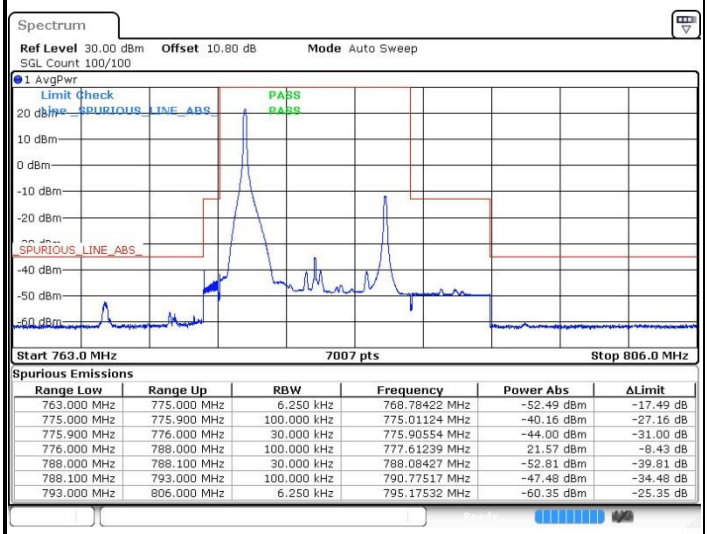
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.82617 MHz	-54.93 dBm	-19.93 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.73771 MHz	-41.64 dBm	-28.64 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94301 MHz	-46.56 dBm	-33.56 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.89610 MHz	5.88 dBm	-24.12 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03352 MHz	-36.46 dBm	-23.46 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-32.42 dBm	-19.42 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.25325 MHz	-54.45 dBm	-19.45 dB

Date: 20.DEC.2016 15:31:31

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

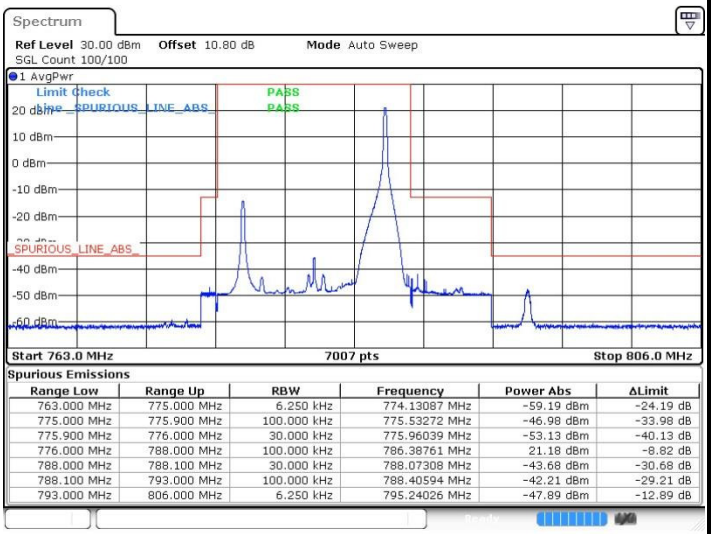


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.78422 MHz	-52.49 dBm	-17.49 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.01124 MHz	-40.16 dBm	-27.16 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90554 MHz	-44.00 dBm	-31.00 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.61239 MHz	21.57 dBm	-8.43 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08427 MHz	-52.81 dBm	-39.81 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.77517 MHz	-47.48 dBm	-34.48 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.17532 MHz	-60.35 dBm	-25.35 dB

Date: 20.DEC.2016 15:43:57

Highest Band Edge / 1 RB

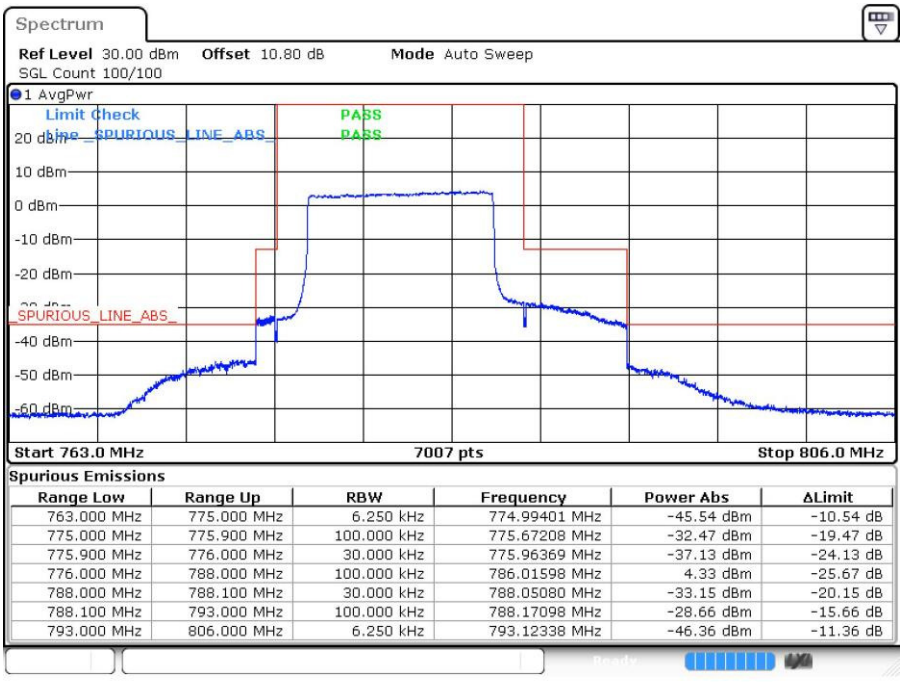


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.13087 MHz	-59.19 dBm	-24.19 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.53272 MHz	-46.98 dBm	-33.98 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96039 MHz	-53.13 dBm	-40.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	21.18 dBm	-8.82 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07308 MHz	-43.68 dBm	-30.68 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.40594 MHz	-42.21 dBm	-29.21 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.24026 MHz	-47.89 dBm	-12.89 dB

Date: 20.DEC.2016 15:45:36

Band Edge / Full RB



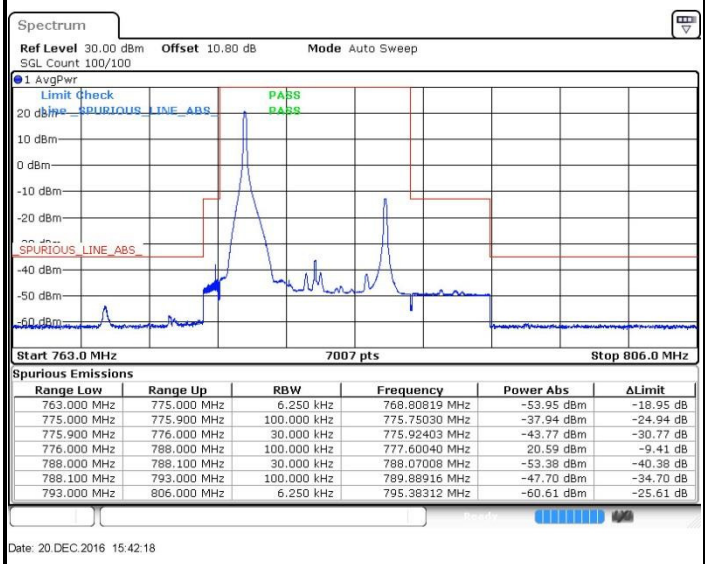
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-45.54 dBm	-10.54 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.67208 MHz	-32.47 dBm	-19.47 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96369 MHz	-37.13 dBm	-24.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.01598 MHz	4.33 dBm	-25.67 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05080 MHz	-33.15 dBm	-20.15 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.17098 MHz	-28.66 dBm	-15.66 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.12338 MHz	-46.36 dBm	-11.36 dB

Date: 20.DEC.2016 15:38:59

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

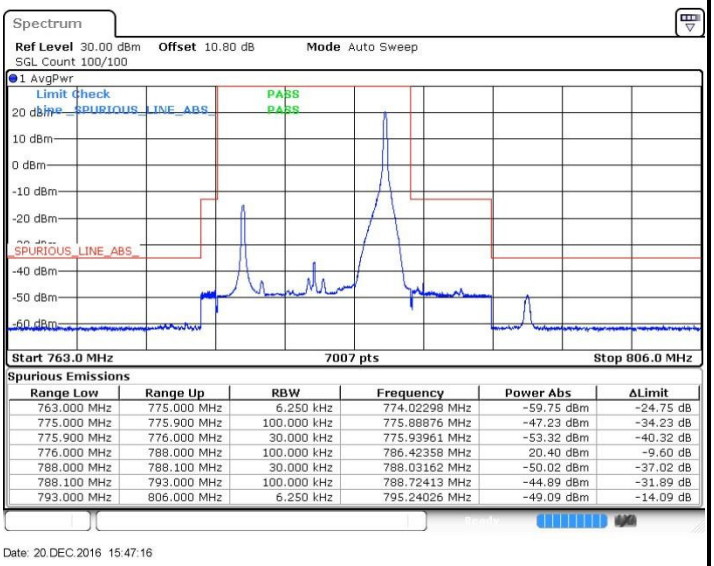


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.80819 MHz	-53.95 dBm	-18.95 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.75030 MHz	-37.94 dBm	-24.94 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92403 MHz	-43.77 dBm	-30.77 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	20.59 dBm	-9.41 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07008 MHz	-53.38 dBm	-40.38 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.88916 MHz	-47.70 dBm	-34.70 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.38312 MHz	-60.61 dBm	-25.61 dB

Date: 20.DEC.2016 15:42:18

Highest Band Edge / 1 RB

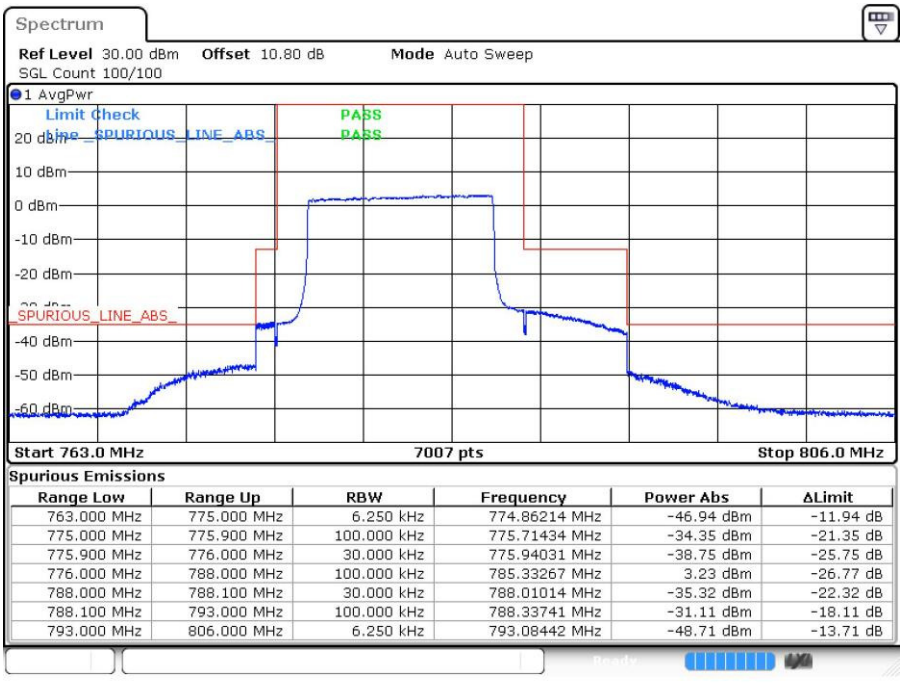


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.02298 MHz	-59.75 dBm	-24.75 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88876 MHz	-47.23 dBm	-34.23 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93961 MHz	-53.32 dBm	-40.32 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.42358 MHz	20.40 dBm	-9.60 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03162 MHz	-50.02 dBm	-37.02 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.72413 MHz	-44.89 dBm	-31.89 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.24026 MHz	-49.09 dBm	-14.09 dB

Date: 20.DEC.2016 15:47:16

Band Edge / Full RB



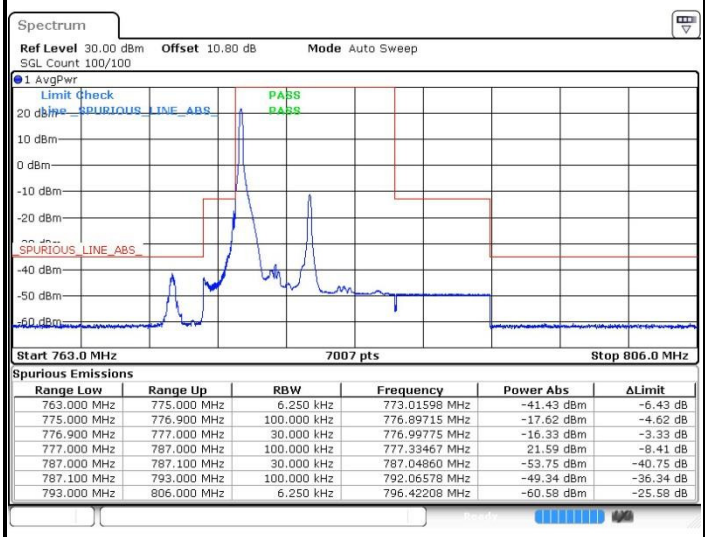
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.86214 MHz	-46.94 dBm	-11.94 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.71434 MHz	-34.35 dBm	-21.35 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94031 MHz	-38.75 dBm	-25.75 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.33267 MHz	3.23 dBm	-26.77 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01014 MHz	-35.32 dBm	-22.32 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.33741 MHz	-31.11 dBm	-18.11 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.08442 MHz	-48.71 dBm	-13.71 dB

Date: 20.DEC.2016 15:40:38

IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

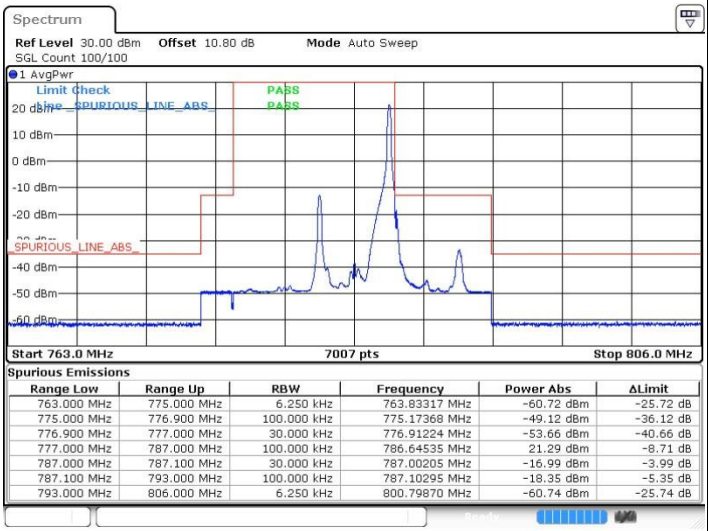


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.01598 MHz	-41.43 dBm	-6.43 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89715 MHz	-17.62 dBm	-4.62 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99775 MHz	-16.33 dBm	-3.33 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.33467 MHz	21.59 dBm	-8.41 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.04860 MHz	-53.75 dBm	-40.75 dB
787.100 MHz	793.000 MHz	100.000 kHz	792.06578 MHz	-49.34 dBm	-36.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.42208 MHz	-60.58 dBm	-25.58 dB

Date: 21.DEC.2016 11:16:16

Highest Band Edge / 1 RB

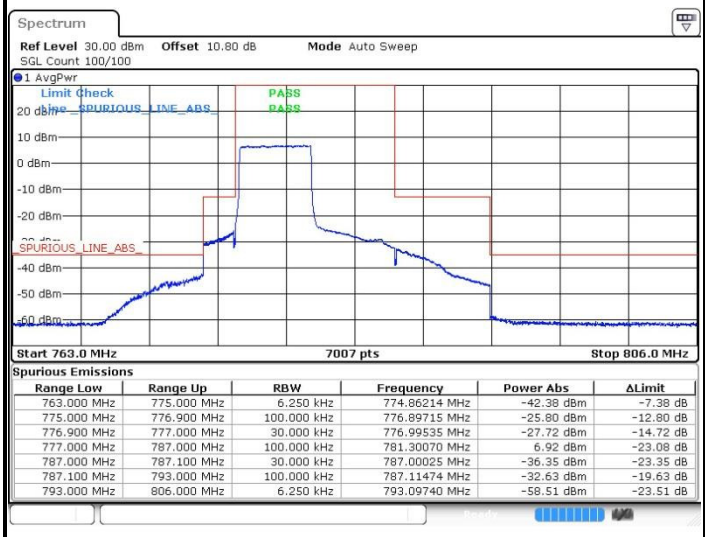


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.83317 MHz	-60.72 dBm	-25.72 dB
775.000 MHz	776.900 MHz	100.000 kHz	775.17368 MHz	-49.12 dBm	-36.12 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.91224 MHz	-53.66 dBm	-40.66 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.64535 MHz	21.29 dBm	-8.71 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00205 MHz	-16.99 dBm	-3.99 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-18.35 dBm	-5.35 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.79870 MHz	-60.74 dBm	-25.74 dB

Date: 21.DEC.2016 11:22:53

Lowest Band Edge / Full RB

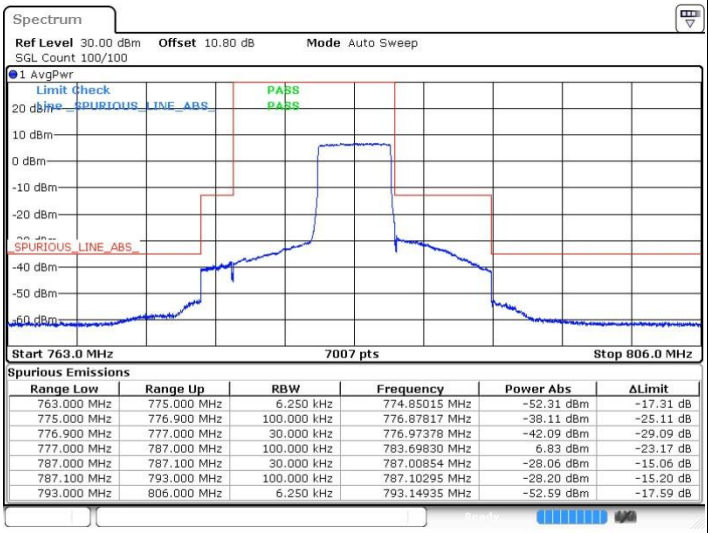


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.86214 MHz	-42.38 dBm	-7.38 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89715 MHz	-25.80 dBm	-12.80 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99535 MHz	-27.72 dBm	-14.72 dB
777.000 MHz	787.000 MHz	100.000 kHz	781.30070 MHz	6.92 dBm	-23.08 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00025 MHz	-36.35 dBm	-23.35 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.11474 MHz	-32.63 dBm	-19.63 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.09740 MHz	-58.51 dBm	-23.51 dB

Date: 21.DEC.2016 11:11:18

Highest Band Edge / Full RB



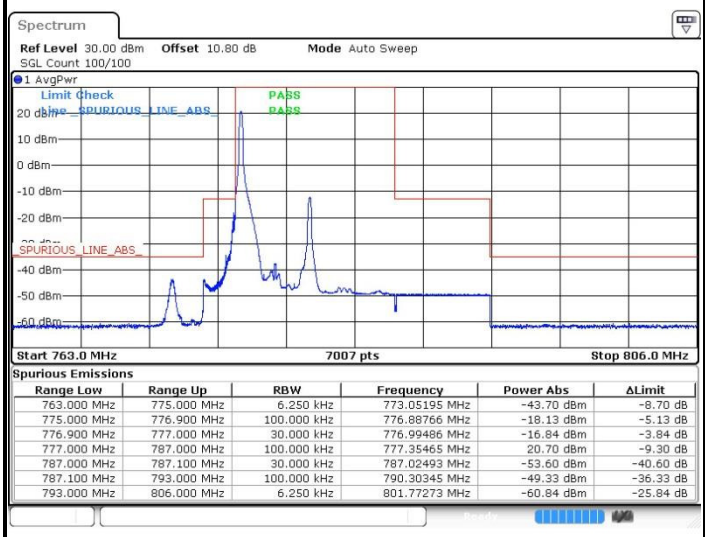
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.85015 MHz	-52.31 dBm	-17.31 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.87817 MHz	-38.11 dBm	-25.11 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.97378 MHz	-42.09 dBm	-29.09 dB
777.000 MHz	787.000 MHz	100.000 kHz	783.69830 MHz	6.83 dBm	-23.17 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00854 MHz	-28.06 dBm	-15.06 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-28.20 dBm	-15.20 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.14935 MHz	-52.59 dBm	-17.59 dB

Date: 21.DEC.2016 11:17:55

IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge /1 RB

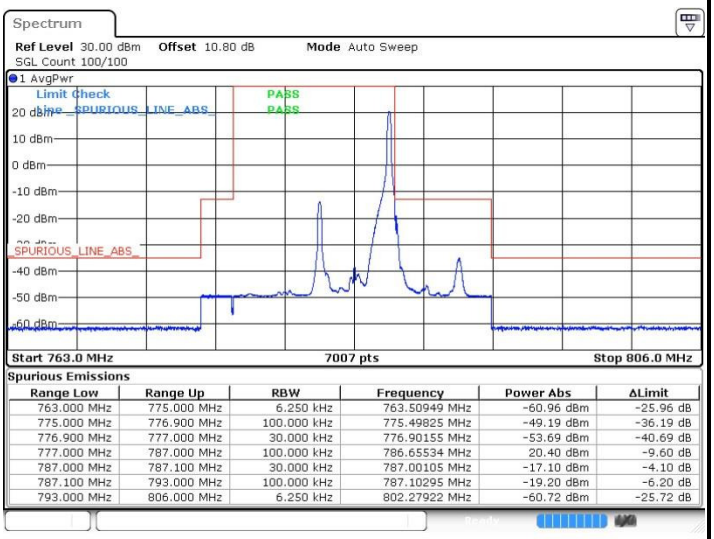


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.05195 MHz	-43.70 dBm	-8.70 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88766 MHz	-18.13 dBm	-5.13 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99486 MHz	-16.84 dBm	-3.84 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.35465 MHz	20.70 dBm	-9.30 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.02493 MHz	-53.60 dBm	-40.60 dB
787.100 MHz	793.000 MHz	100.000 kHz	790.30345 MHz	-49.33 dBm	-36.33 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.77273 MHz	-60.84 dBm	-25.84 dB

Date: 21.DEC.2016 11:14:36

Highest Band Edge / 1 RB

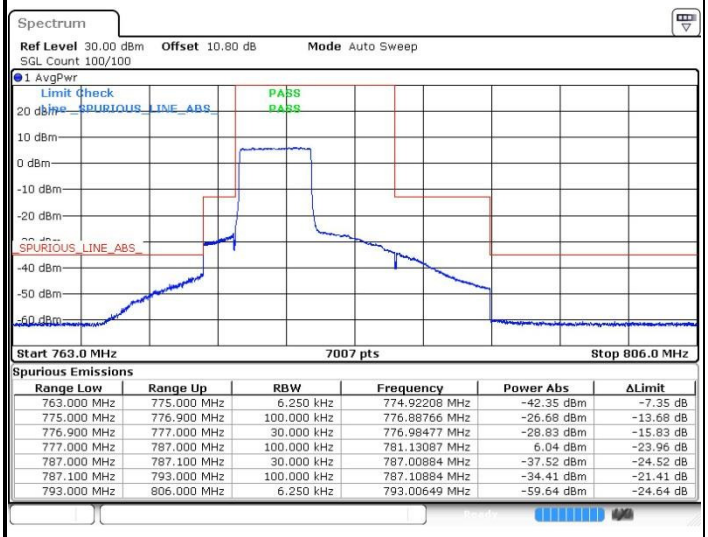


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.50949 MHz	-60.96 dBm	-25.96 dB
775.000 MHz	776.900 MHz	100.000 kHz	775.49825 MHz	-49.19 dBm	-36.19 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.90155 MHz	-53.69 dBm	-40.69 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.65534 MHz	20.40 dBm	-9.60 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00105 MHz	-17.10 dBm	-4.10 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-19.20 dBm	-6.20 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.27922 MHz	-60.72 dBm	-25.72 dB

Date: 21.DEC.2016 11:21:13

Lowest Band Edge / Full RB

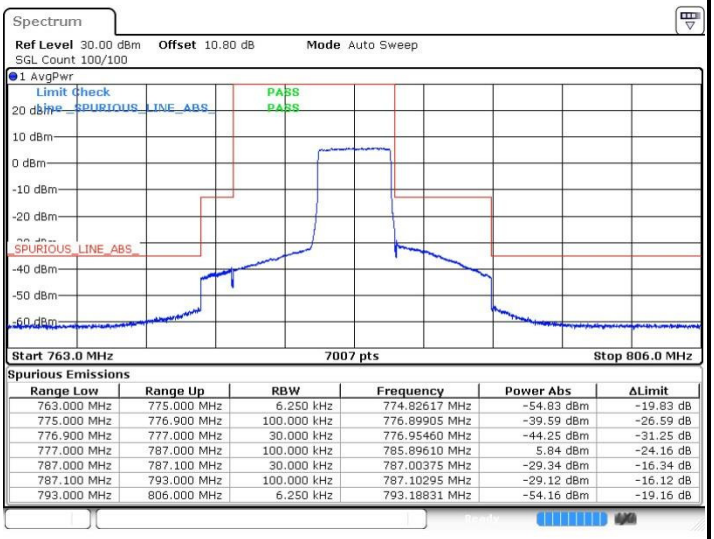


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.92208 MHz	-42.35 dBm	-7.35 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88766 MHz	-26.68 dBm	-13.68 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.98477 MHz	-28.83 dBm	-15.83 dB
777.000 MHz	787.000 MHz	100.000 kHz	781.13087 MHz	6.04 dBm	-23.96 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00884 MHz	-37.52 dBm	-24.52 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10884 MHz	-34.41 dBm	-21.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-59.64 dBm	-24.64 dB

Date: 21.DEC.2016 11:12:57

Highest Band Edge / Full RB



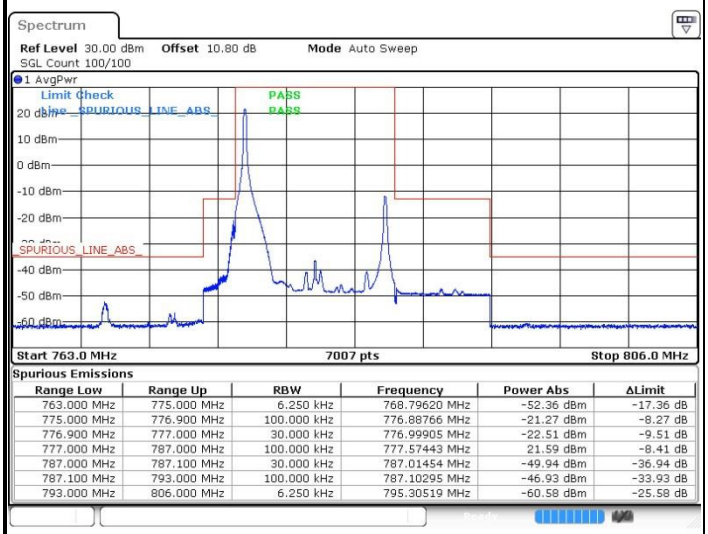
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.82617 MHz	-54.83 dBm	-19.83 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89905 MHz	-39.59 dBm	-26.59 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.95460 MHz	-44.25 dBm	-31.25 dB
777.000 MHz	787.000 MHz	100.000 kHz	785.89610 MHz	5.84 dBm	-24.16 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00375 MHz	-29.34 dBm	-16.34 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-29.12 dBm	-16.12 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.18831 MHz	-54.16 dBm	-19.16 dB

Date: 21.DEC.2016 11:19:34

IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

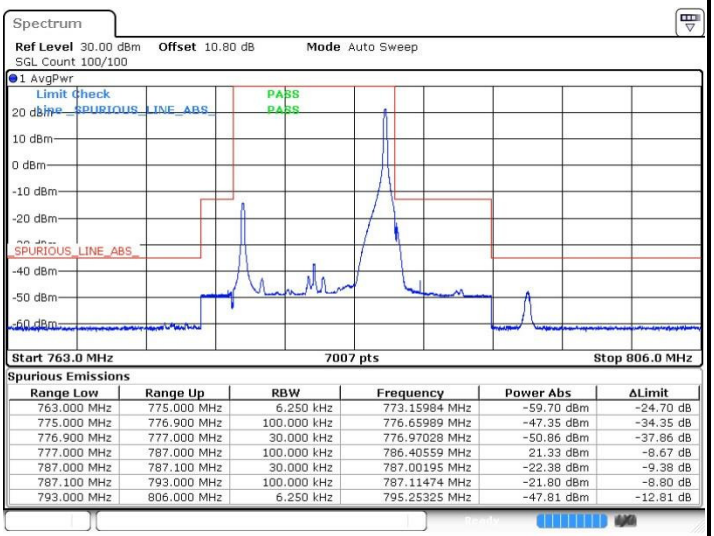


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.79620 MHz	-52.36 dBm	-17.36 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88766 MHz	-21.27 dBm	-8.27 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99905 MHz	-22.51 dBm	-9.51 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.57443 MHz	21.59 dBm	-8.41 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.01454 MHz	-49.94 dBm	-36.94 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-46.93 dBm	-33.93 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.30519 MHz	-60.58 dBm	-25.58 dB

Date: 21.DEC.2016 11:29:30

Highest Band Edge / 1 RB

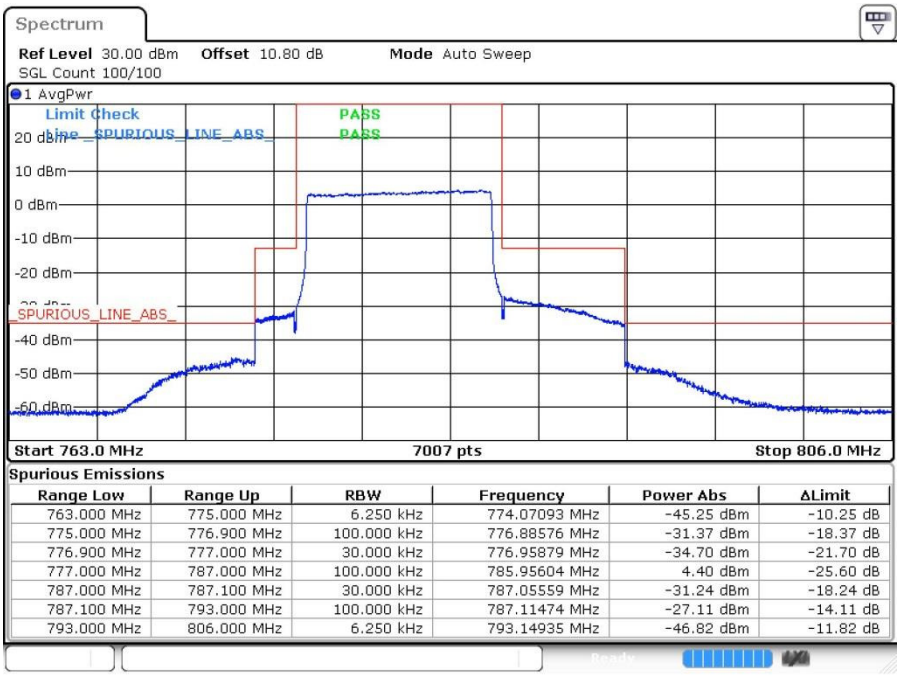


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.15984 MHz	-59.70 dBm	-24.70 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.65989 MHz	-47.35 dBm	-34.35 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.97028 MHz	-50.86 dBm	-37.86 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.40559 MHz	21.33 dBm	-8.67 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00195 MHz	-22.38 dBm	-9.38 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.11474 MHz	-21.80 dBm	-8.80 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.25325 MHz	-47.81 dBm	-12.81 dB

Date: 21.DEC.2016 11:31:09

Band Edge / Full RB



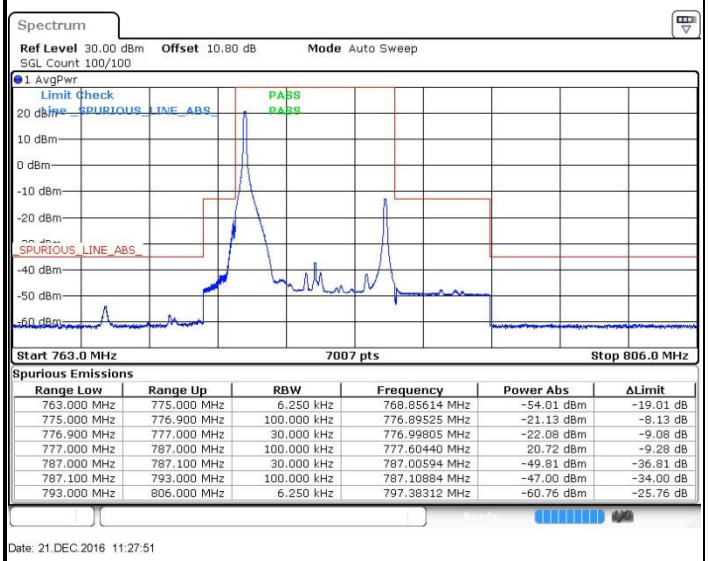
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.07093 MHz	-45.25 dBm	-10.25 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88576 MHz	-31.37 dBm	-18.37 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.95879 MHz	-34.70 dBm	-21.70 dB
777.000 MHz	787.000 MHz	100.000 kHz	785.95604 MHz	4.40 dBm	-25.60 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.05559 MHz	-31.24 dBm	-18.24 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.11474 MHz	-27.11 dBm	-14.11 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.14935 MHz	-46.82 dBm	-11.82 dB

Date: 21.DEC.2016 11:24:32

IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

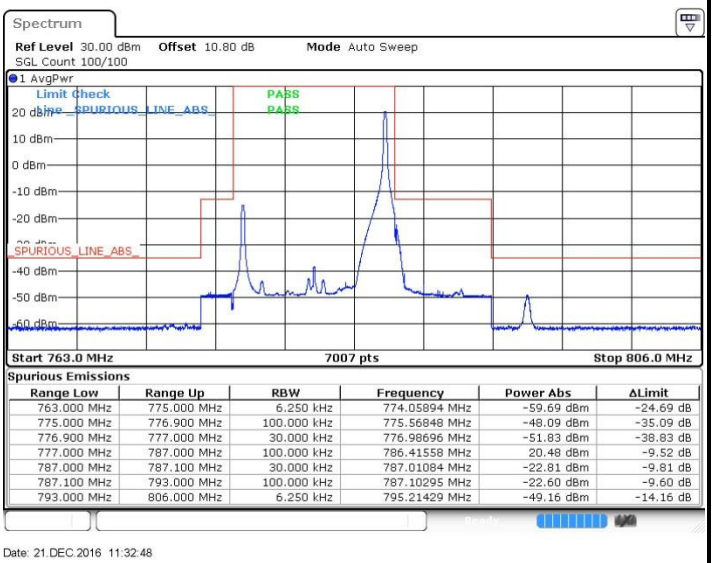


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.85614 MHz	-54.01 dBm	-19.01 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89525 MHz	-21.13 dBm	-8.13 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99805 MHz	-22.08 dBm	-9.08 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.60440 MHz	20.72 dBm	-9.28 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00594 MHz	-49.81 dBm	-36.81 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10884 MHz	-47.00 dBm	-34.00 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.38312 MHz	-60.76 dBm	-25.76 dB

Date: 21.DEC.2016 11:27:51

Highest Band Edge / 1 RB

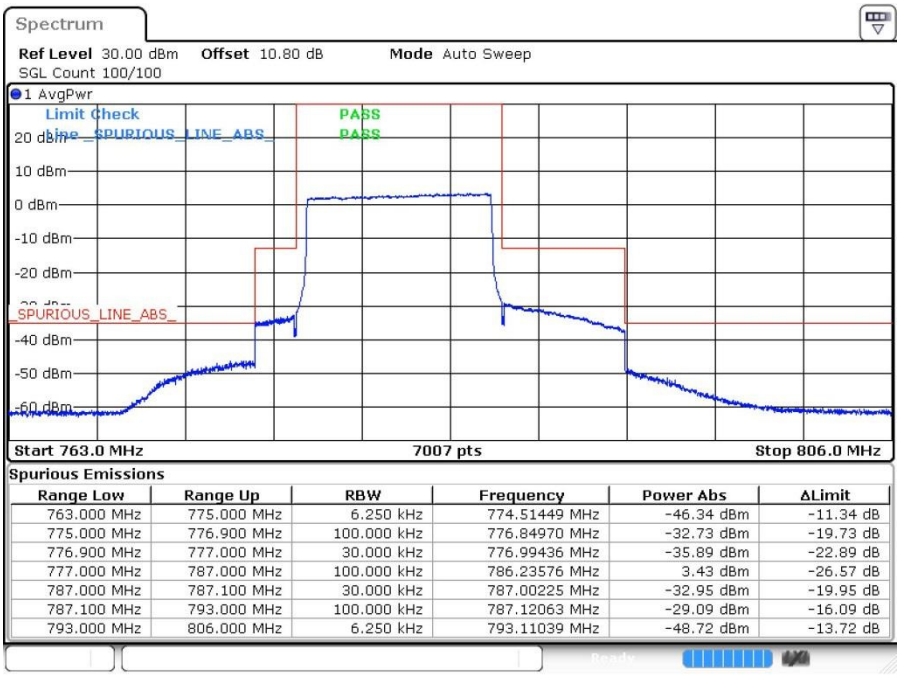


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.05894 MHz	-59.69 dBm	-24.69 dB
775.000 MHz	776.900 MHz	100.000 kHz	775.56848 MHz	-48.09 dBm	-35.09 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.98696 MHz	-51.83 dBm	-38.83 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.41558 MHz	20.48 dBm	-9.52 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.01084 MHz	-22.81 dBm	-9.81 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-22.60 dBm	-9.60 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.21429 MHz	-49.16 dBm	-14.16 dB

Date: 21.DEC.2016 11:32:48

Band Edge / Full RB



Spurious Emissions

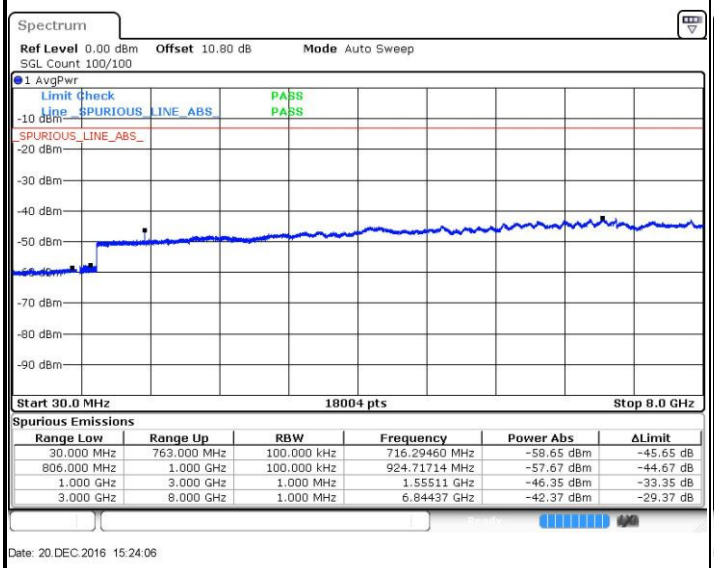
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.51449 MHz	-46.34 dBm	-11.34 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.84970 MHz	-32.73 dBm	-19.73 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99436 MHz	-35.89 dBm	-22.89 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.23576 MHz	3.43 dBm	-26.57 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00225 MHz	-32.95 dBm	-19.95 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.12063 MHz	-29.09 dBm	-16.09 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-48.72 dBm	-13.72 dB

Date: 21.DEC.2016 11:26:11

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

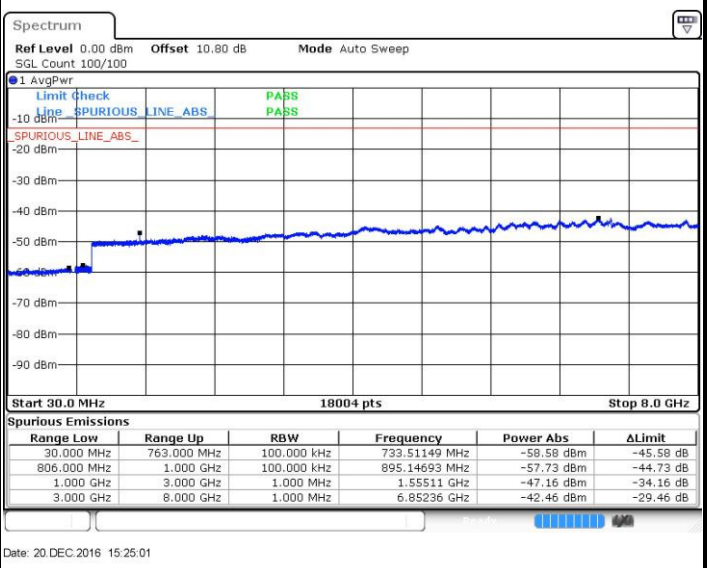


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	716.29460 MHz	-58.65 dBm	-45.65 dB
806.000 MHz	1.000 GHz	100.000 kHz	924.71714 MHz	-57.67 dBm	-44.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-46.35 dBm	-33.35 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.84437 GHz	-42.37 dBm	-29.37 dB

Date: 20.DEC.2016 15:24:06

Lowest Channel / 16QAM

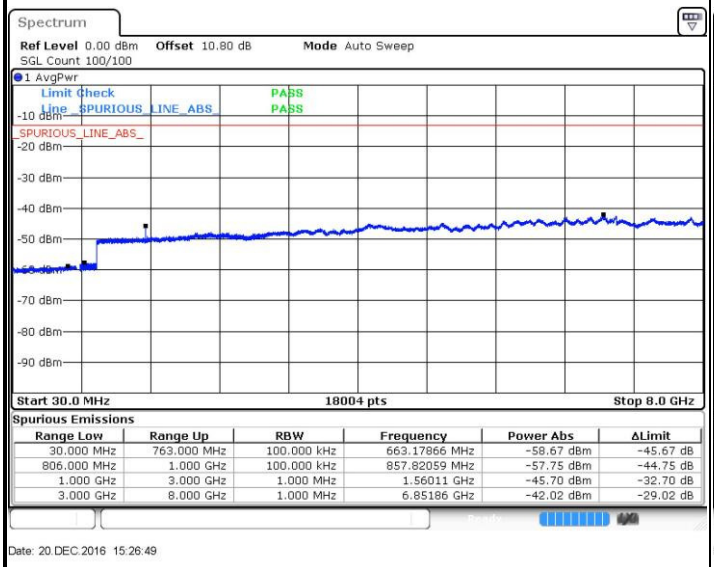


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	733.51149 MHz	-58.58 dBm	-45.58 dB
806.000 MHz	1.000 GHz	100.000 kHz	895.14693 MHz	-57.73 dBm	-44.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-47.16 dBm	-34.16 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.85236 GHz	-42.46 dBm	-29.46 dB

Date: 20.DEC.2016 15:25:01

Middle Channel / QPSK

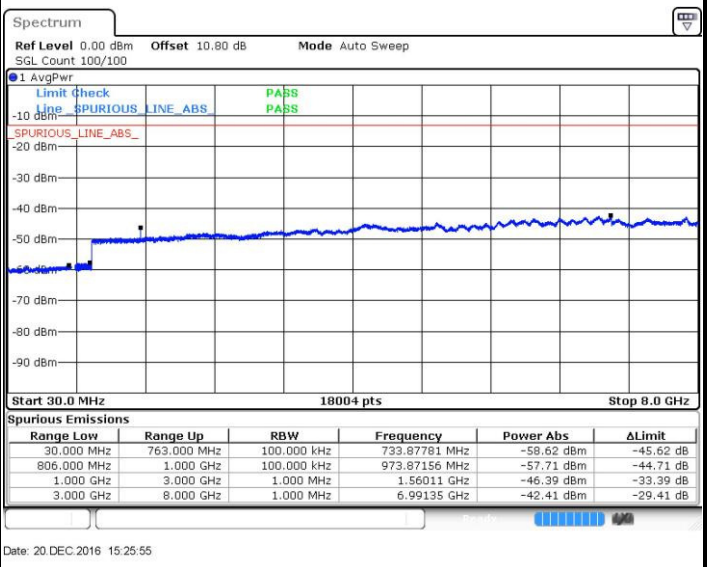


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	663.17866 MHz	-58.67 dBm	-45.67 dB
806.000 MHz	1.000 GHz	100.000 kHz	857.82059 MHz	-57.75 dBm	-44.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.70 dBm	-32.70 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.85186 GHz	-42.02 dBm	-29.02 dB

Date: 20.DEC.2016 15:26:49

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	733.87781 MHz	-58.62 dBm	-45.62 dB
806.000 MHz	1.000 GHz	100.000 kHz	973.87156 MHz	-57.71 dBm	-44.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99135 GHz	-42.41 dBm	-29.41 dB

Date: 20.DEC.2016 15:25:55