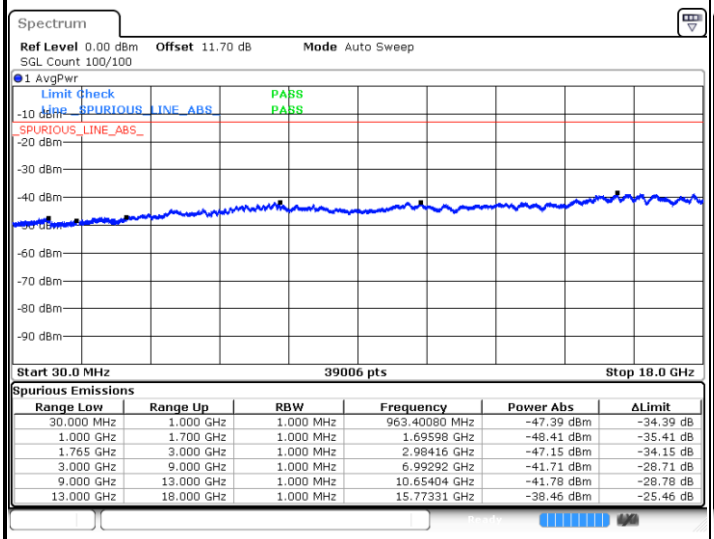
LTE Band 4 / 10MHz

Middle Channel / QPSK

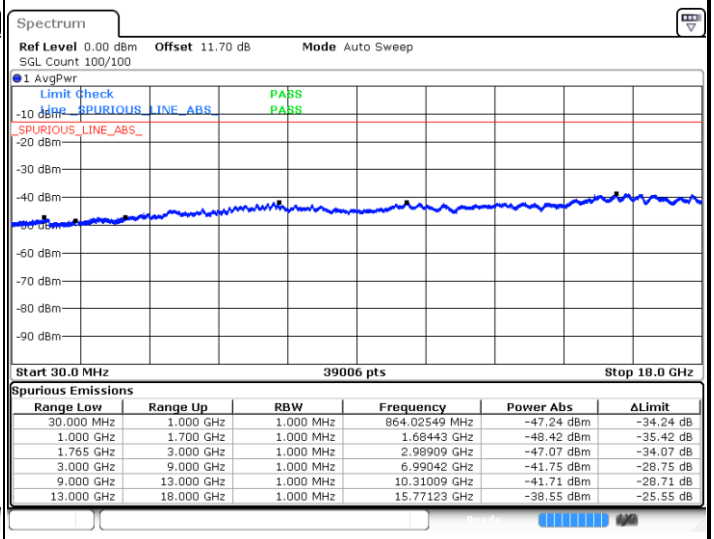


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-47.39 dBm	-34.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69598 GHz	-48.41 dBm	-35.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98416 GHz	-47.15 dBm	-34.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99292 GHz	-41.71 dBm	-28.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65404 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77331 GHz	-38.46 dBm	-25.46 dB

Date: 26.SEP.2017 10:49:47

Middle Channel / 16QAM

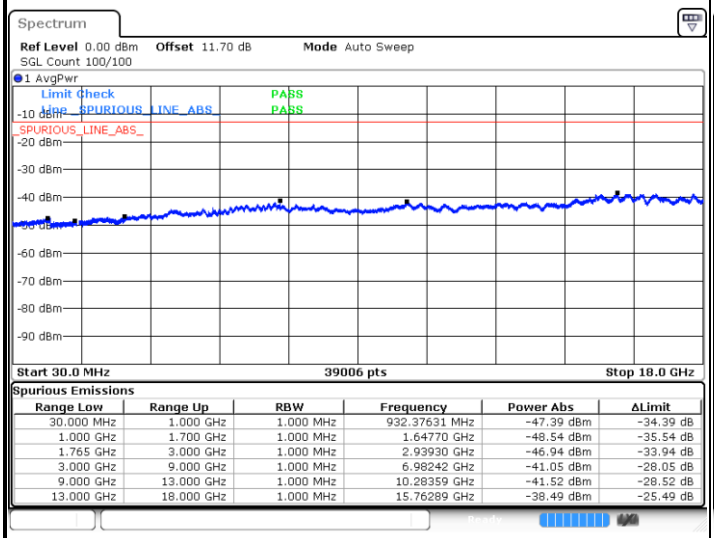


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	864.02549 MHz	-47.24 dBm	-34.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68443 GHz	-48.42 dBm	-35.42 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98909 GHz	-47.07 dBm	-34.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-41.75 dBm	-28.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31009 GHz	-41.71 dBm	-28.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77123 GHz	-38.55 dBm	-25.55 dB

Date: 26.SEP.2017 10:50:41

Highest Channel / QPSK

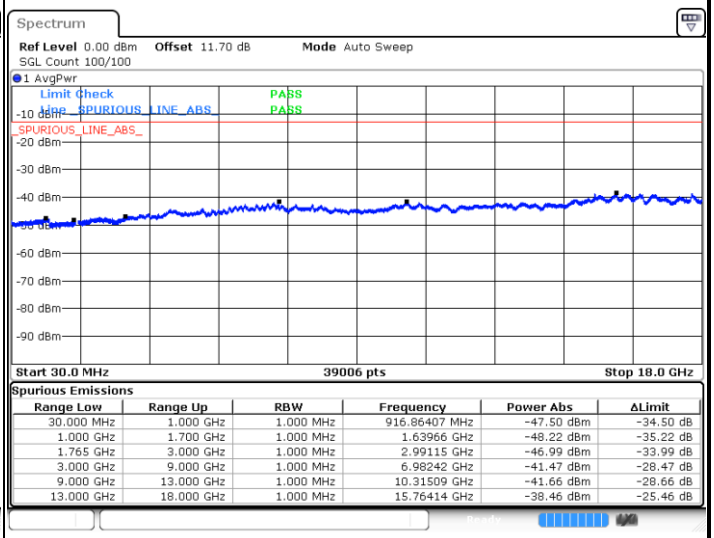


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-47.39 dBm	-34.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64770 GHz	-48.54 dBm	-35.54 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.93930 GHz	-46.94 dBm	-33.94 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98242 GHz	-41.05 dBm	-28.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.28359 GHz	-41.52 dBm	-28.52 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76289 GHz	-38.49 dBm	-25.49 dB

Date: 26.SEP.2017 10:56:50

Highest Channel / 16QAM



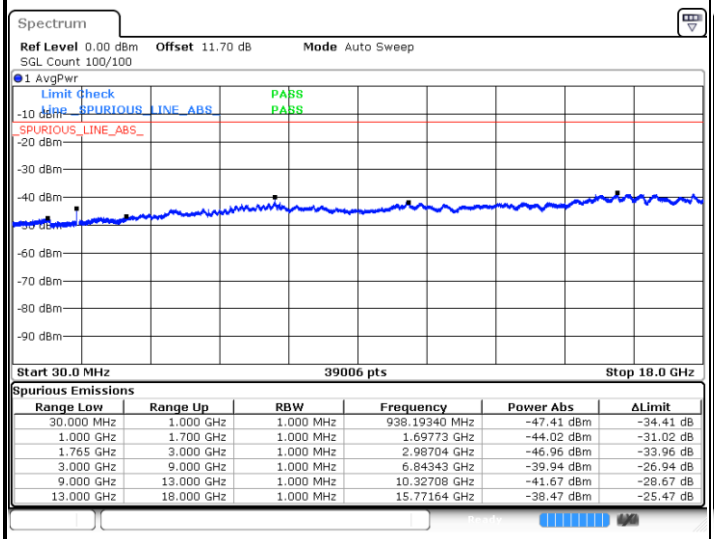
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.86407 MHz	-47.50 dBm	-34.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63966 GHz	-48.22 dBm	-35.22 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99115 GHz	-46.99 dBm	-33.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98242 GHz	-41.47 dBm	-28.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31509 GHz	-41.66 dBm	-28.66 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76414 GHz	-38.46 dBm	-25.46 dB

Date: 26.SEP.2017 10:57:44

LTE Band 4 / 15MHz

Lowest Channel / QPSK

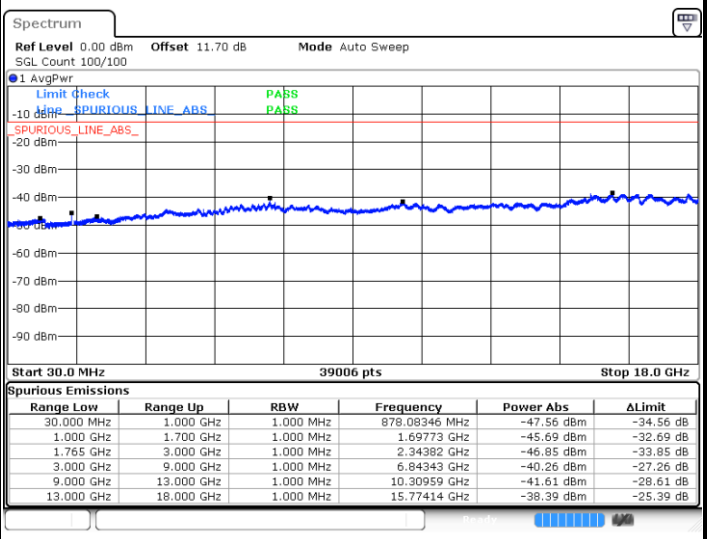


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-44.02 dBm	-31.02 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98704 GHz	-46.96 dBm	-33.96 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84343 GHz	-39.94 dBm	-26.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32708 GHz	-41.67 dBm	-28.67 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77164 GHz	-38.47 dBm	-25.47 dB

Date: 26.SEP.2017 11:03:53

Lowest Channel / 16QAM

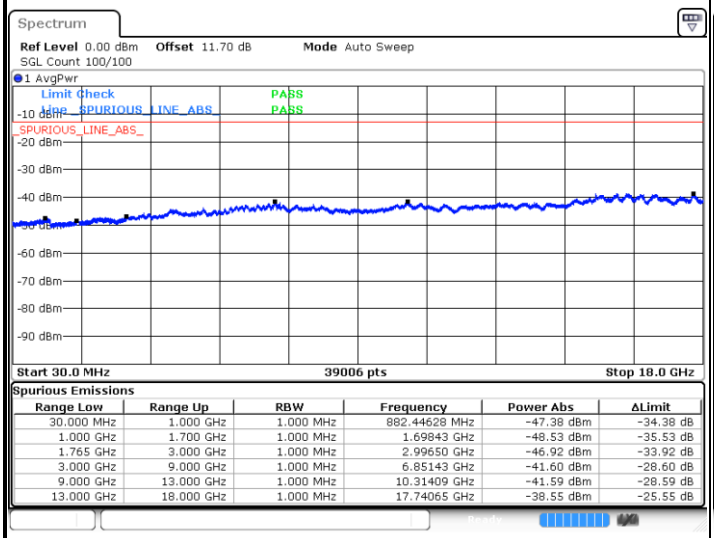


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.08346 MHz	-47.56 dBm	-34.56 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-45.69 dBm	-32.69 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.34382 GHz	-46.85 dBm	-33.85 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84343 GHz	-40.26 dBm	-27.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30959 GHz	-41.61 dBm	-28.61 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77414 GHz	-38.39 dBm	-25.39 dB

Date: 26.SEP.2017 11:04:47

Middle Channel / QPSK

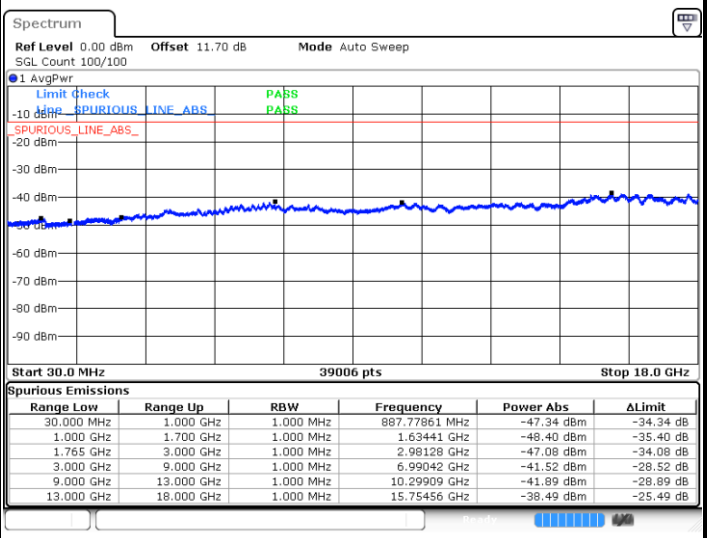


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.44628 MHz	-47.38 dBm	-34.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69843 GHz	-48.53 dBm	-35.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99650 GHz	-46.92 dBm	-33.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85143 GHz	-41.60 dBm	-28.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31409 GHz	-41.59 dBm	-28.59 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.74065 GHz	-38.55 dBm	-25.55 dB

Date: 26.SEP.2017 11:06:21

Middle Channel / 16QAM



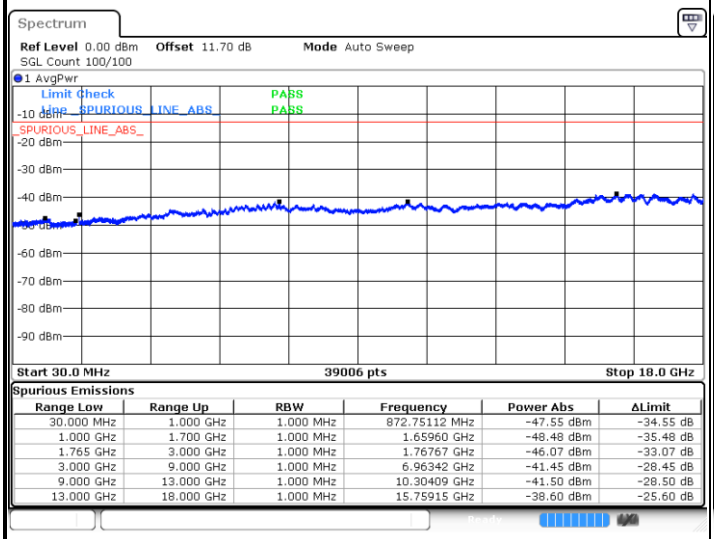
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	887.77861 MHz	-47.34 dBm	-34.34 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63441 GHz	-48.40 dBm	-35.40 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98128 GHz	-47.08 dBm	-34.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-41.52 dBm	-28.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29909 GHz	-41.89 dBm	-28.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75456 GHz	-38.49 dBm	-25.49 dB

Date: 26.SEP.2017 11:07:15

LTE Band 4 / 15MHz

Highest Channel / QPSK

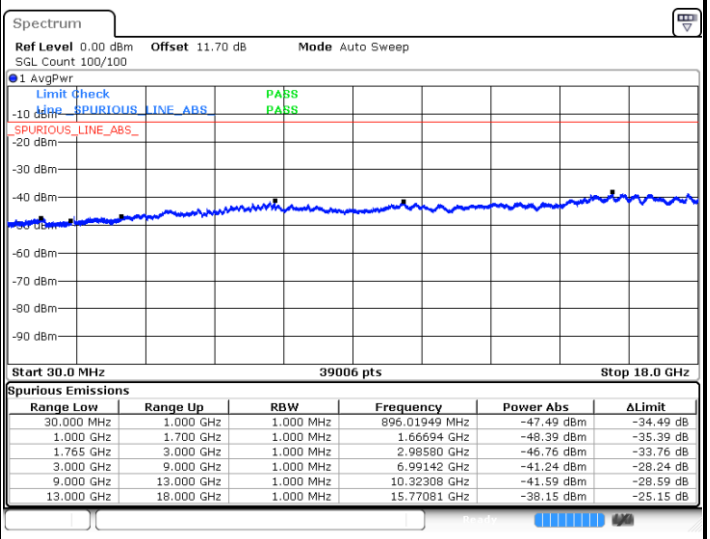


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	872.75112 MHz	-47.55 dBm	-34.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65960 GHz	-48.48 dBm	-35.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-46.07 dBm	-33.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96342 GHz	-41.45 dBm	-28.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30409 GHz	-41.50 dBm	-28.50 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75915 GHz	-38.60 dBm	-25.60 dB

Date: 26.SEP.2017 11:13:24

Highest Channel / 16QAM



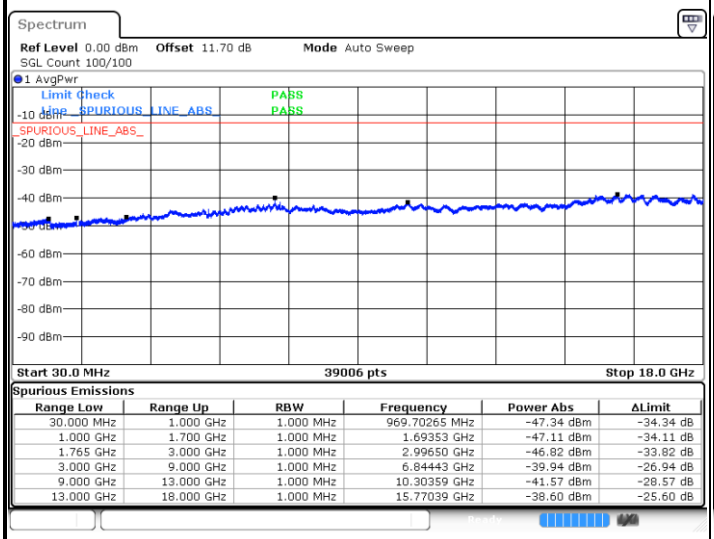
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.01949 MHz	-47.49 dBm	-34.49 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66694 GHz	-48.39 dBm	-35.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98580 GHz	-46.76 dBm	-33.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99142 GHz	-41.24 dBm	-28.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32308 GHz	-41.59 dBm	-28.59 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77081 GHz	-38.15 dBm	-25.15 dB

Date: 26.SEP.2017 11:14:18

LTE Band 4 / 20MHz

Lowest Channel / QPSK

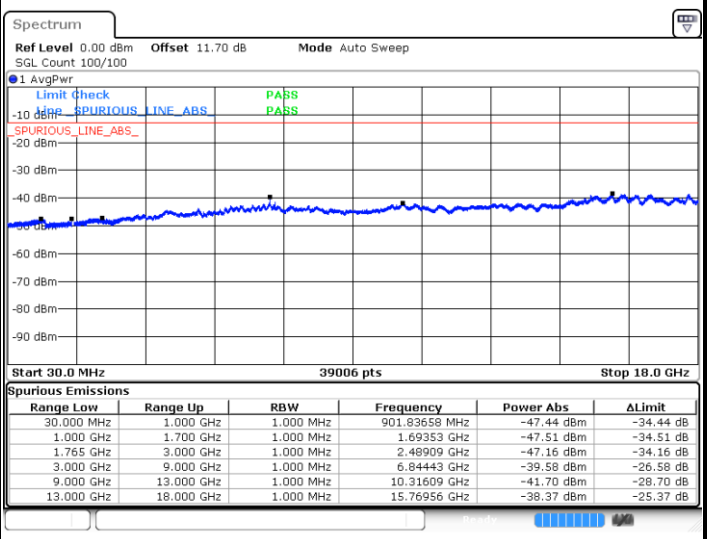


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-47.34 dBm	-34.34 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-47.11 dBm	-34.11 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99650 GHz	-46.82 dBm	-33.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84443 GHz	-39.94 dBm	-26.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30359 GHz	-41.57 dBm	-28.57 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77039 GHz	-38.60 dBm	-25.60 dB

Date: 26.SEP.2017 11:20:27

Lowest Channel / 16QAM



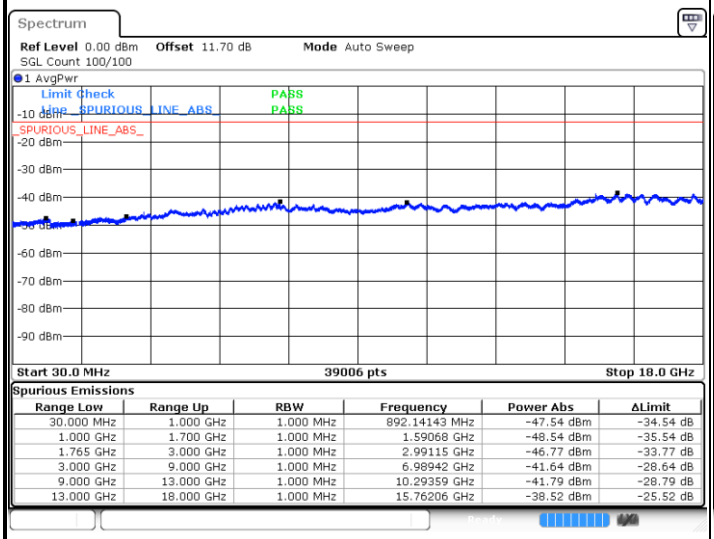
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.83658 MHz	-47.44 dBm	-34.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-47.51 dBm	-34.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.48909 GHz	-47.16 dBm	-34.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84443 GHz	-39.58 dBm	-26.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31609 GHz	-41.70 dBm	-28.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76956 GHz	-38.37 dBm	-25.37 dB

Date: 26.SEP.2017 11:21:21

LTE Band 4 / 20MHz

Middle Channel / QPSK

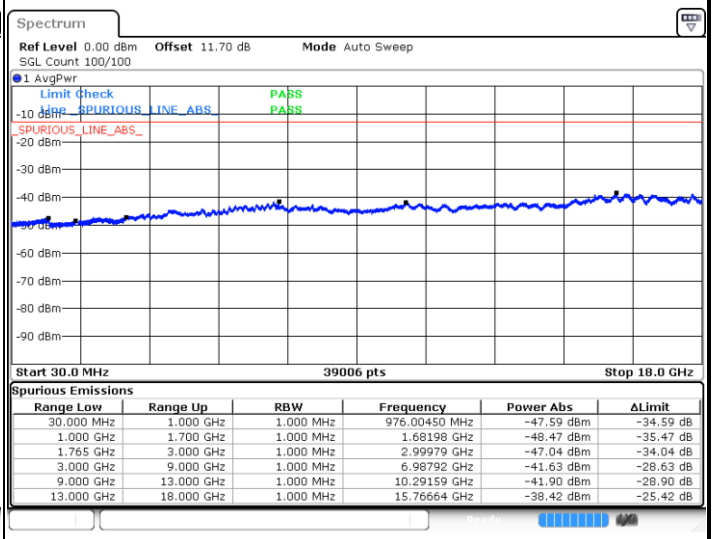


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.14143 MHz	-47.54 dBm	-34.54 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59068 GHz	-48.54 dBm	-35.54 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99115 GHz	-46.77 dBm	-33.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-41.64 dBm	-28.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29359 GHz	-41.79 dBm	-28.79 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76206 GHz	-38.52 dBm	-25.52 dB

Date: 26.SEP.2017 11:22:54

Middle Channel / 16QAM

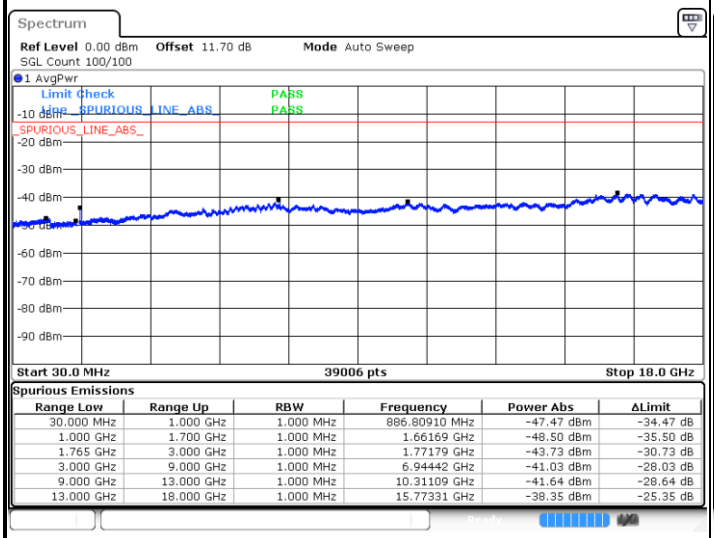


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-47.59 dBm	-34.59 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68198 GHz	-48.47 dBm	-35.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99979 GHz	-47.04 dBm	-34.04 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98792 GHz	-41.63 dBm	-28.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29159 GHz	-41.90 dBm	-28.90 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76664 GHz	-38.42 dBm	-25.42 dB

Date: 26.SEP.2017 11:23:48

Highest Channel / QPSK

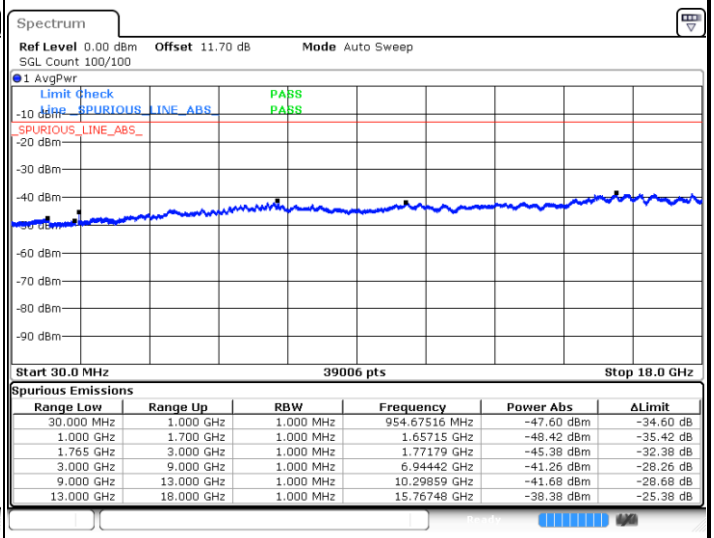


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-47.47 dBm	-34.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66169 GHz	-48.50 dBm	-35.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-43.73 dBm	-30.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94442 GHz	-41.03 dBm	-28.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31109 GHz	-41.64 dBm	-28.64 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77331 GHz	-38.35 dBm	-25.35 dB

Date: 26.SEP.2017 11:29:57

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-47.60 dBm	-34.60 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65715 GHz	-48.42 dBm	-35.42 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-45.38 dBm	-32.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94442 GHz	-41.26 dBm	-28.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29859 GHz	-41.68 dBm	-28.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76748 GHz	-38.38 dBm	-25.38 dB

Date: 26.SEP.2017 11:30:51

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	0.0008	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0039	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =4.0 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

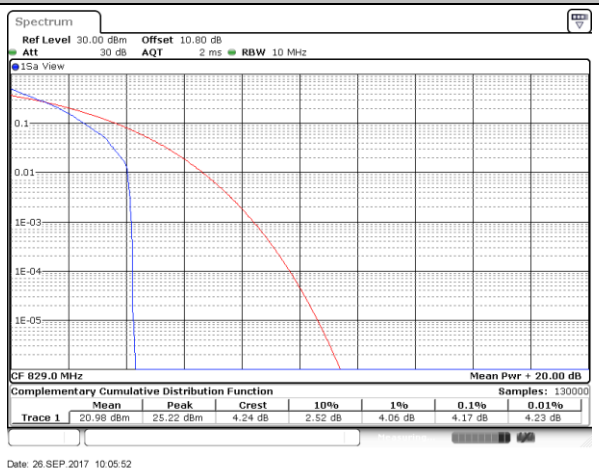
LTE Band 5

Peak-to-Average Ratio

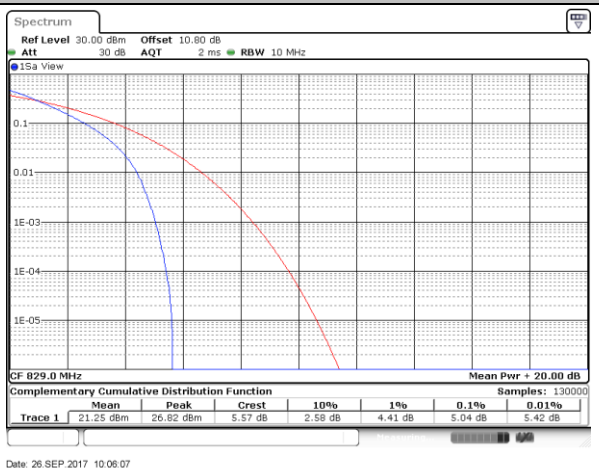
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.17	5.04	5.1	5.88	PASS
Middle CH	3.88	4.72	4.81	5.77	
Highest CH	4.14	5.04	4.96	5.8	

LTE Band 5 / 10MHz / QPSK

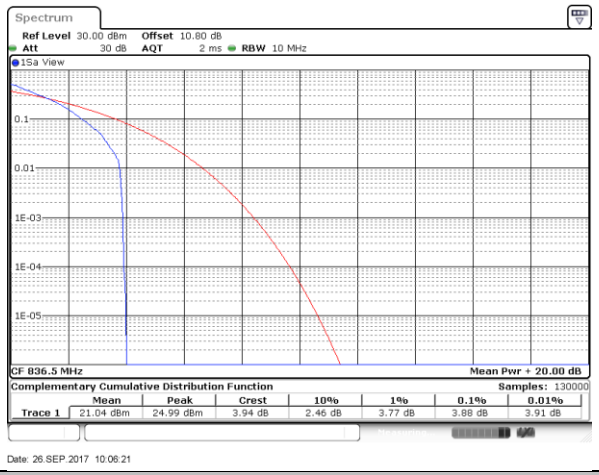
Lowest Channel / 1RB



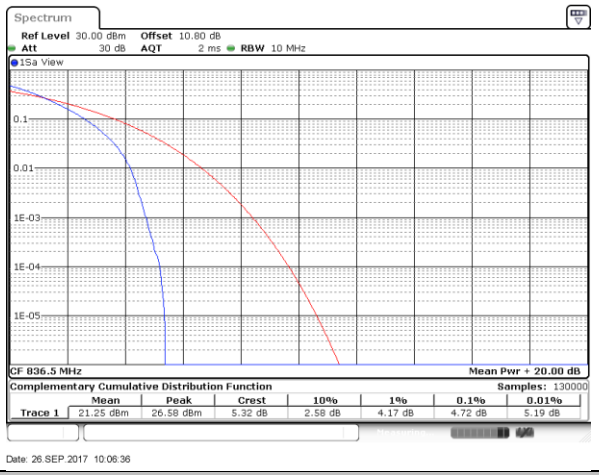
Lowest Channel / Full RB



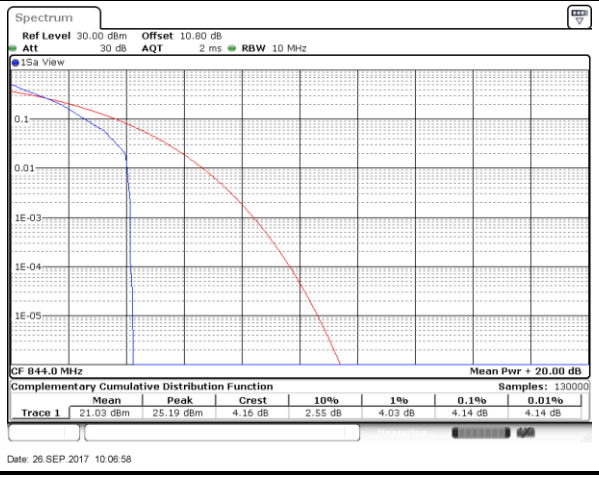
Middle Channel / 1RB



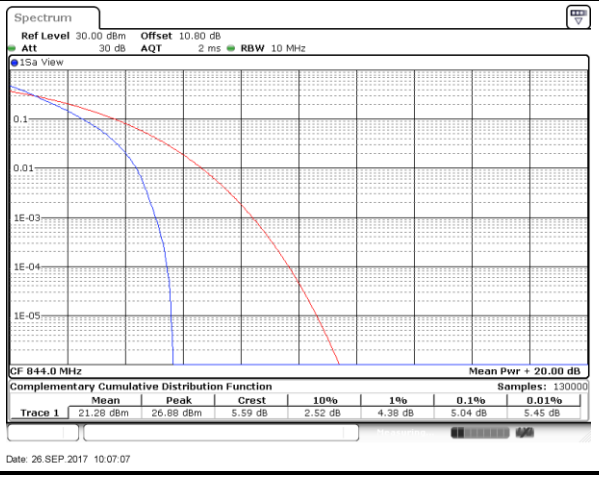
Middle Channel / Full RB



Highest Channel / 1RB

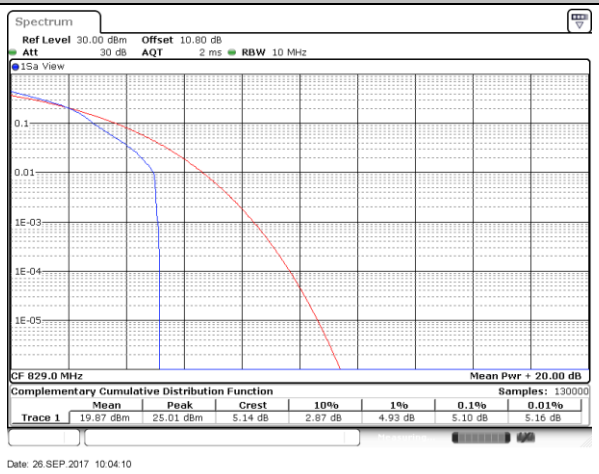


Highest Channel / Full RB

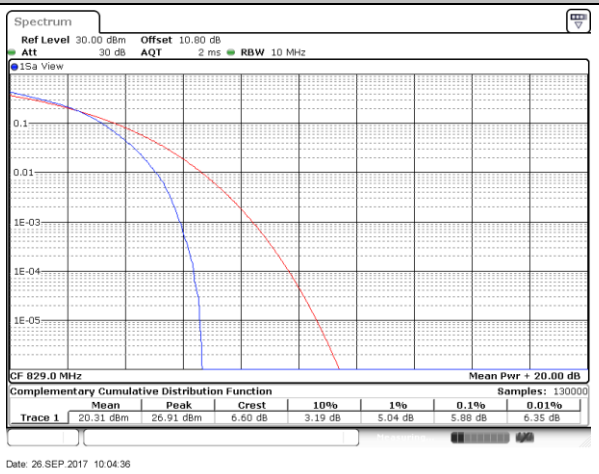


LTE Band 5 / 10MHz / 16QAM

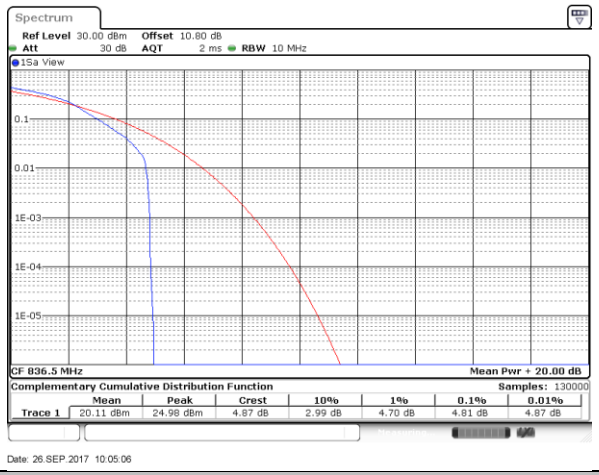
Lowest Channel / 1RB



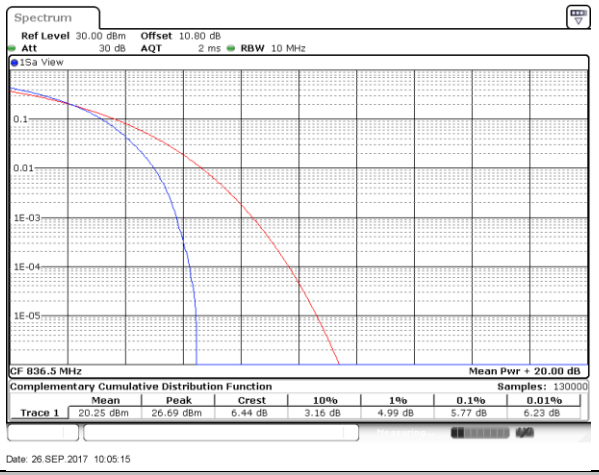
Lowest Channel / Full RB



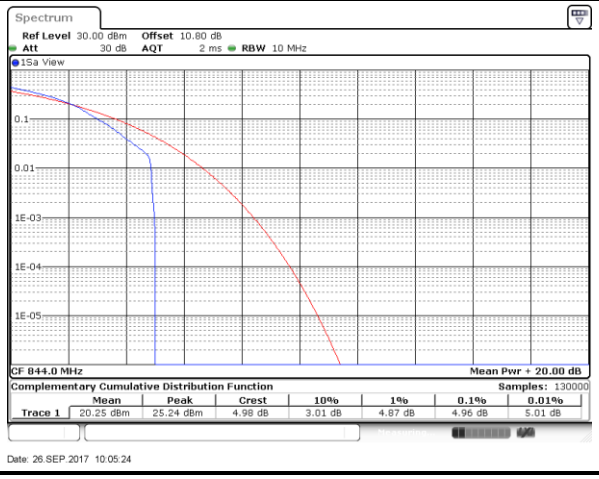
Middle Channel / 1RB



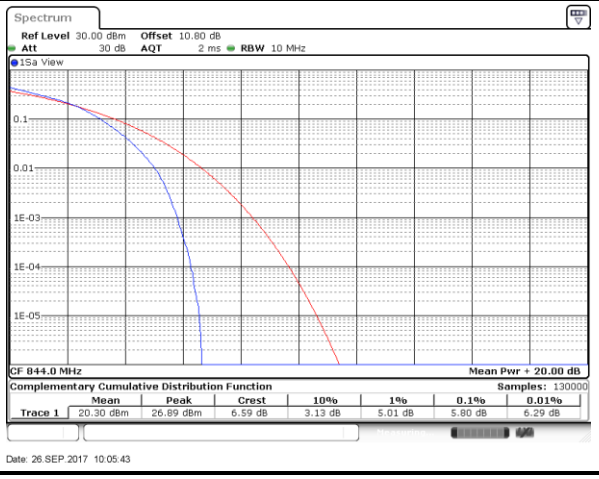
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

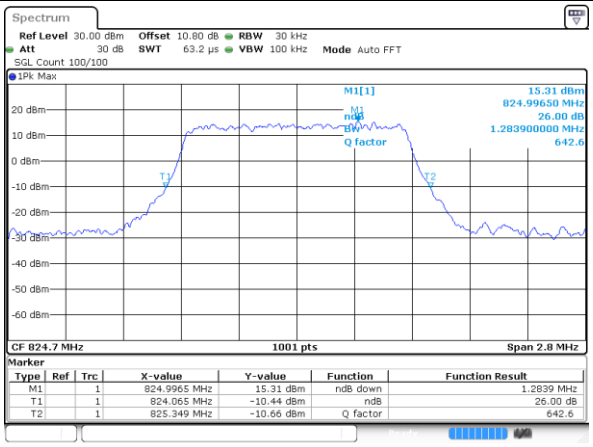


26dB Bandwidth

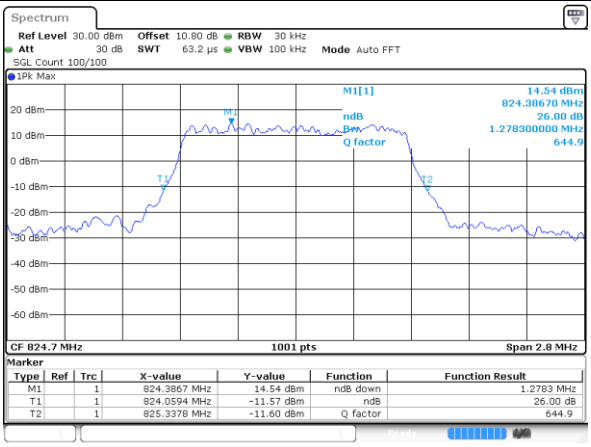
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.28	3.05	3.04	4.94	4.96	9.91	9.83	-	-	-	-
Middle CH	1.26	1.26	3.03	3.02	4.80	5.05	9.77	9.75	-	-	-	-
Highest CH	1.28	1.28	2.97	3.01	5.01	5.02	10.13	9.81	-	-	-	-

LTE Band 5

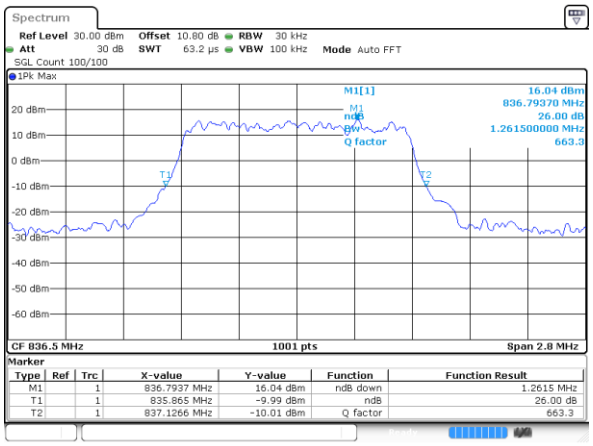
Lowest Channel / 1.4MHz / QPSK



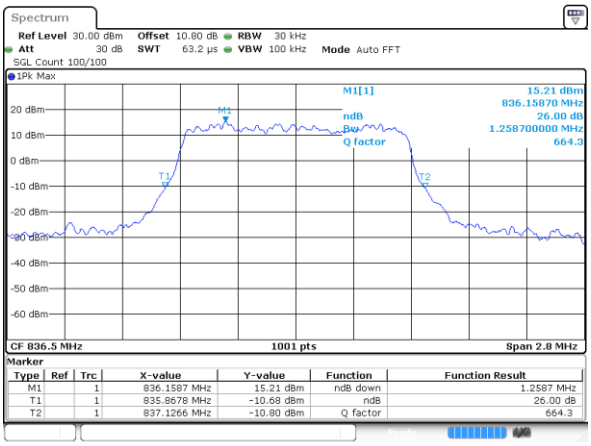
Lowest Channel / 1.4MHz / 16QAM



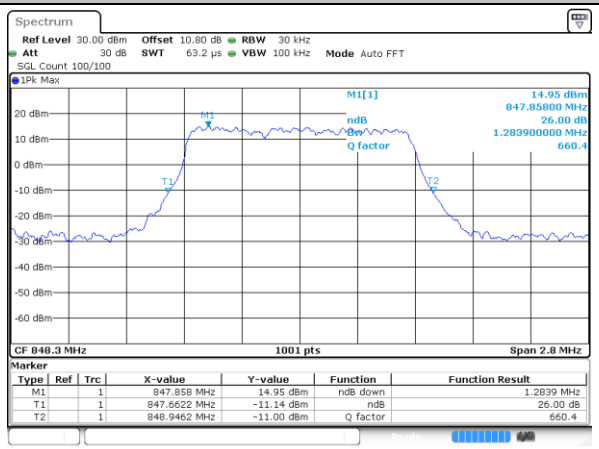
Middle Channel / 1.4MHz / QPSK



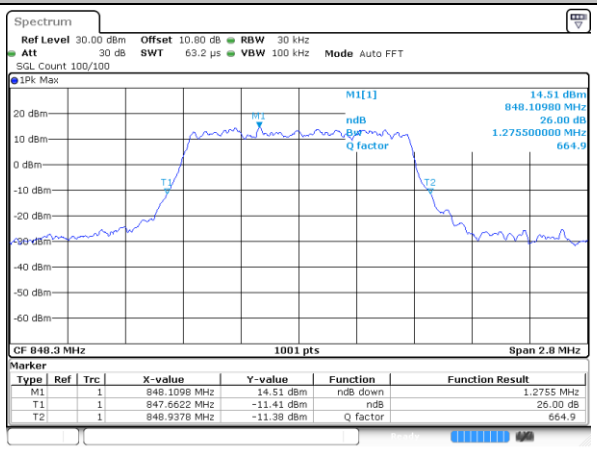
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

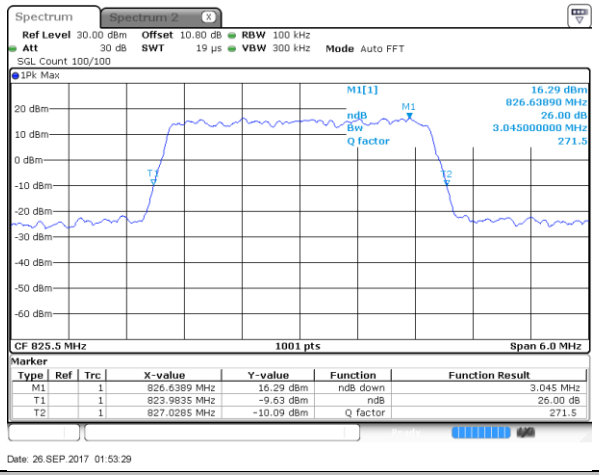


Highest Channel / 1.4MHz / 16QAM

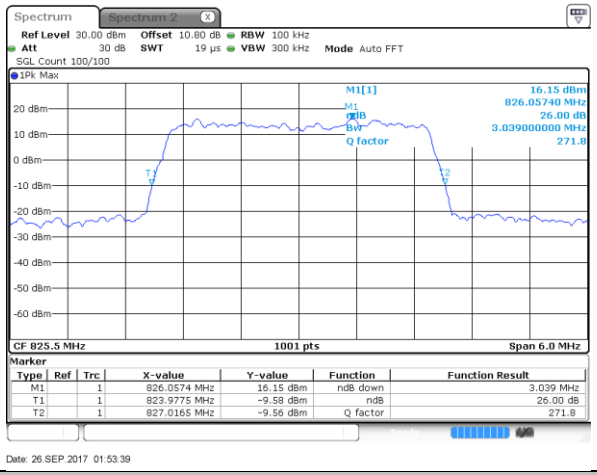


LTE Band 5

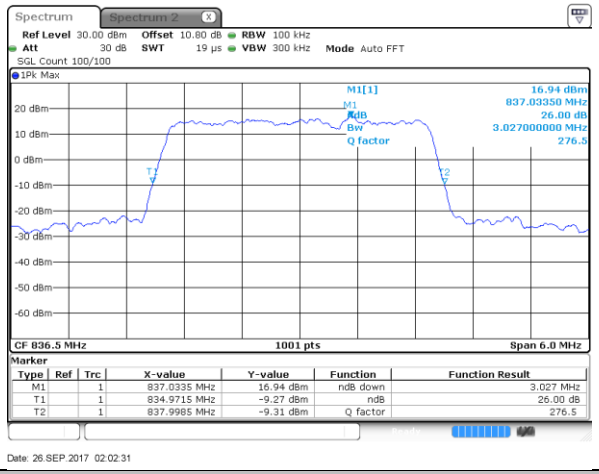
Lowest Channel / 3MHz / QPSK



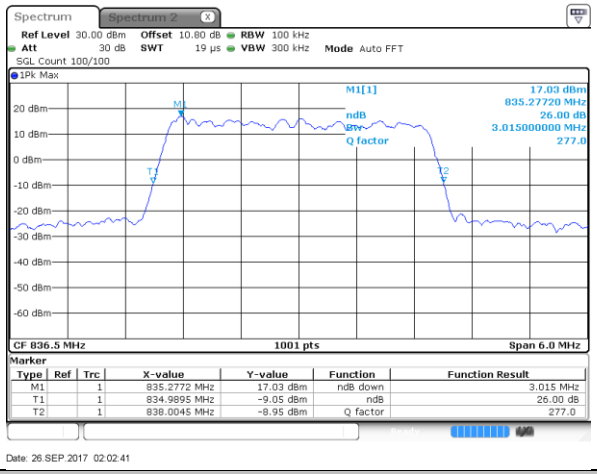
Lowest Channel / 3MHz / 16QAM



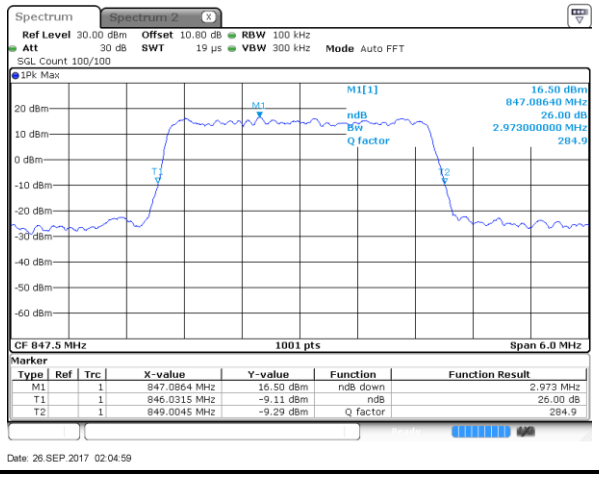
Middle Channel / 3MHz / QPSK



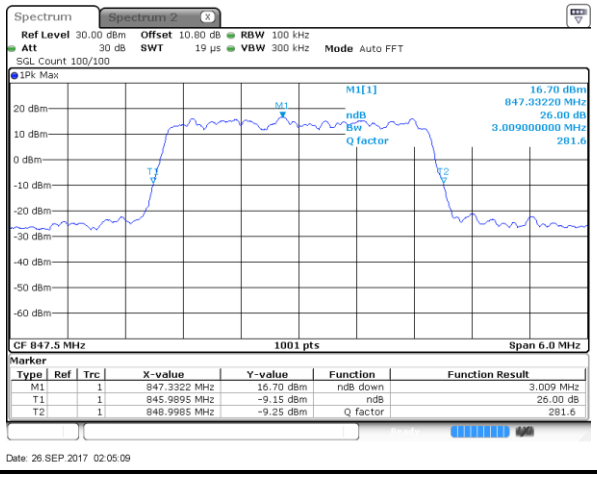
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

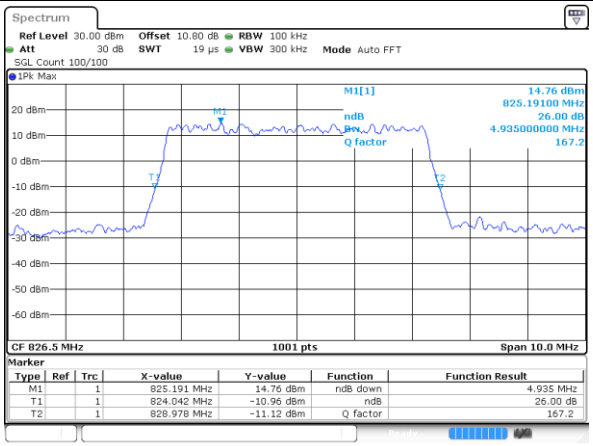


Highest Channel /3MHz / 16QAM

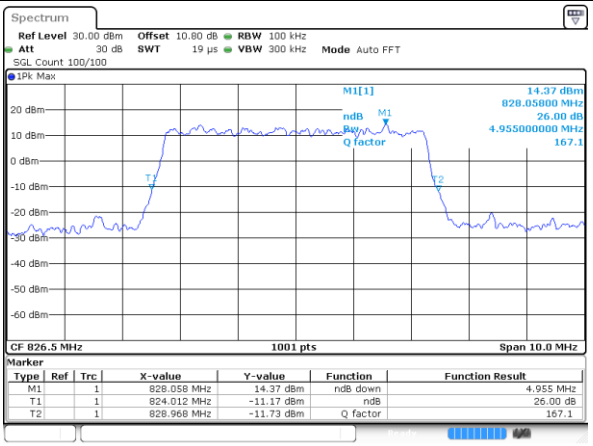


LTE Band 5

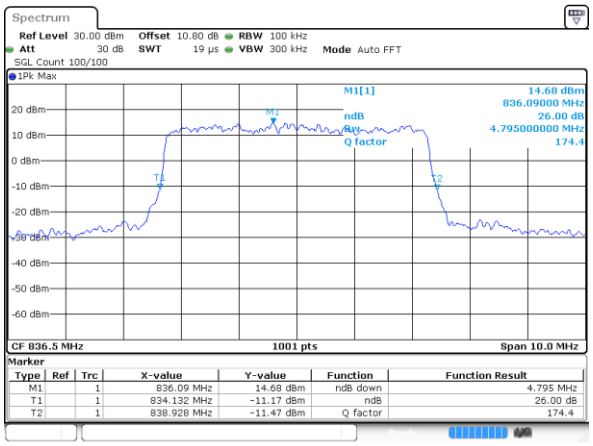
Lowest Channel / 5MHz / QPSK



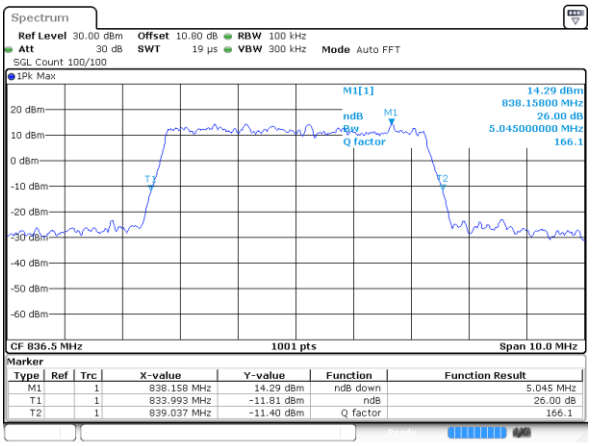
Lowest Channel / 5MHz / 16QAM



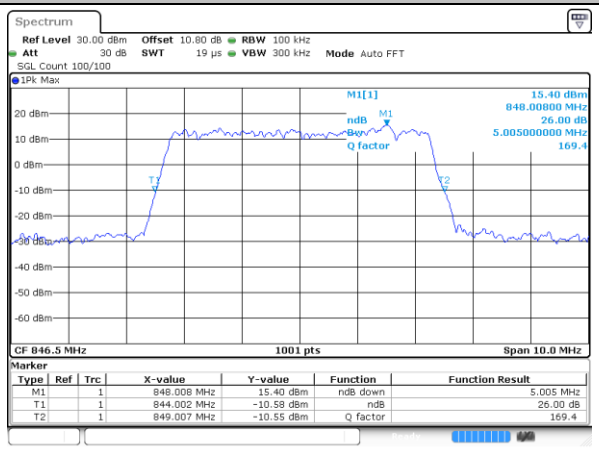
Middle Channel / 5MHz / QPSK



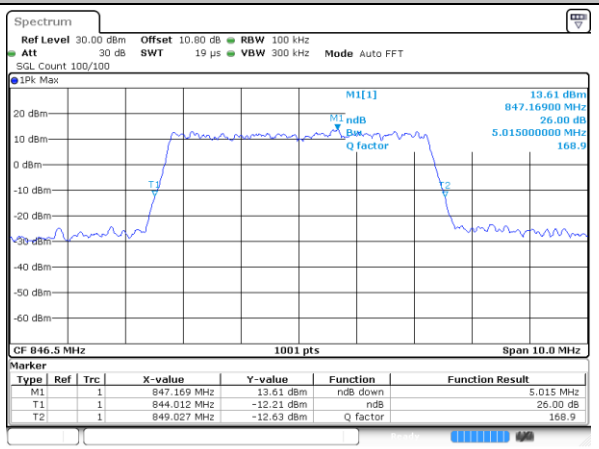
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

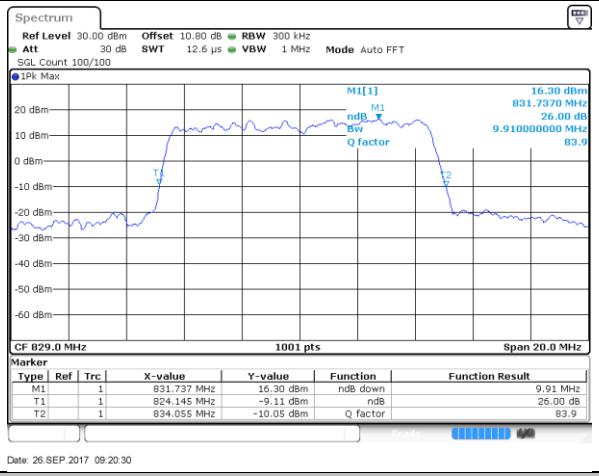


Highest Channel / 5MHz / 16QAM

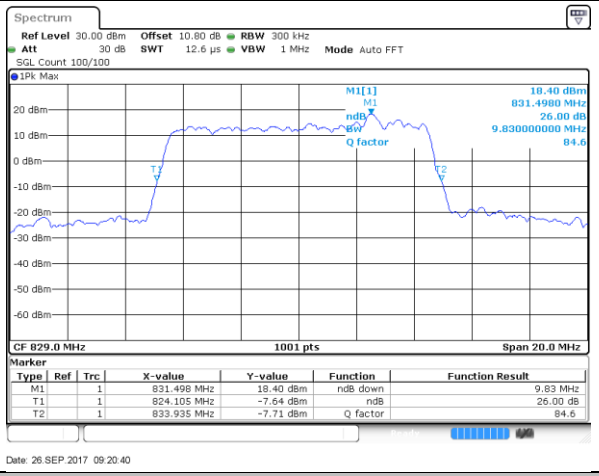


LTE Band 5

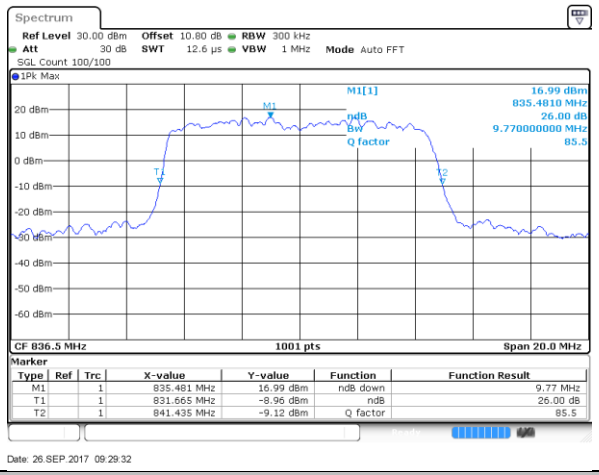
Lowest Channel / 10MHz / QPSK



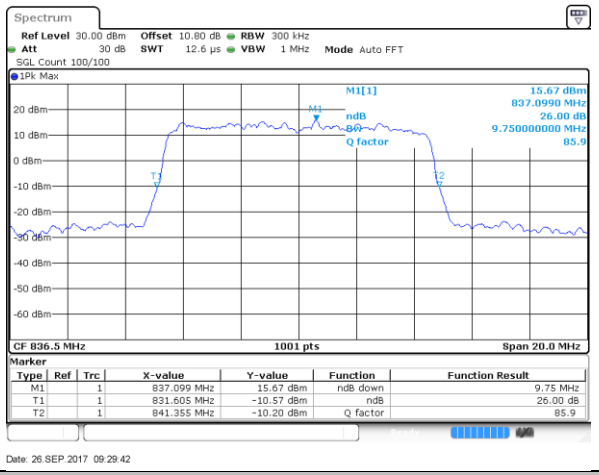
Lowest Channel / 10MHz / 16QAM



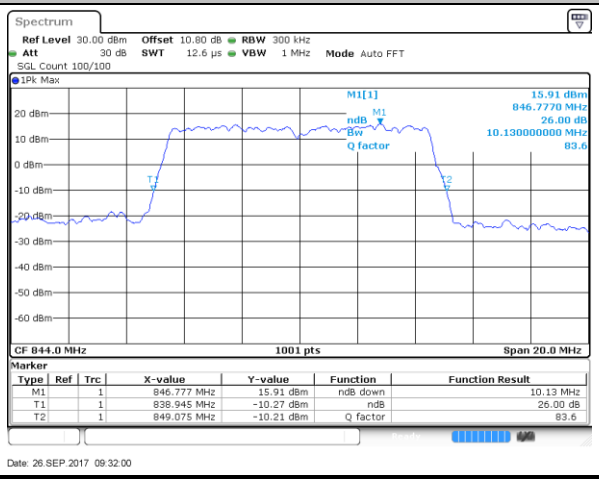
Middle Channel / 10MHz / QPSK



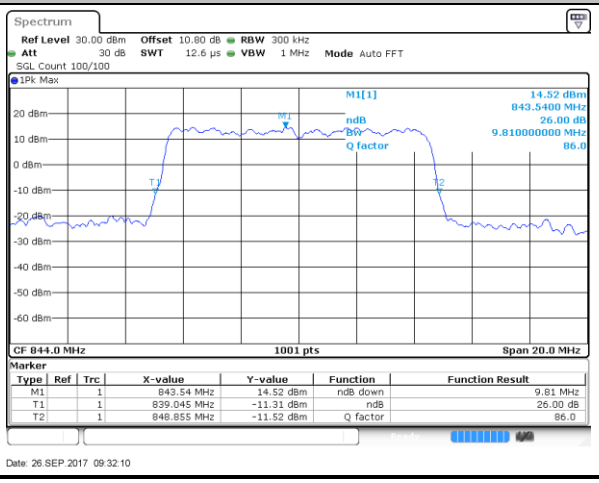
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

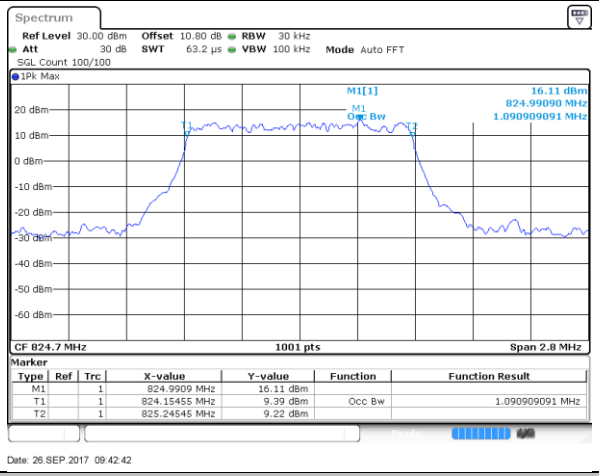


Occupied Bandwidth

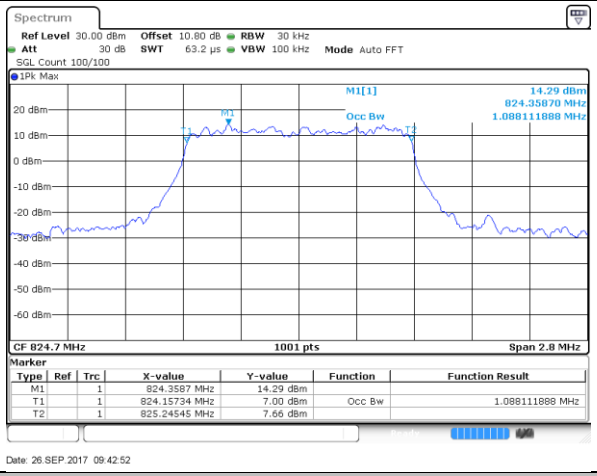
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.75	4.51	4.51	9.05	9.07	-	-	-	-
Middle CH	1.09	1.1	2.72	2.73	4.5	4.49	9.05	8.95	-	-	-	-
Highest CH	1.09	1.09	2.7	2.72	4.52	4.52	9.07	9.01	-	-	-	-

LTE Band 5

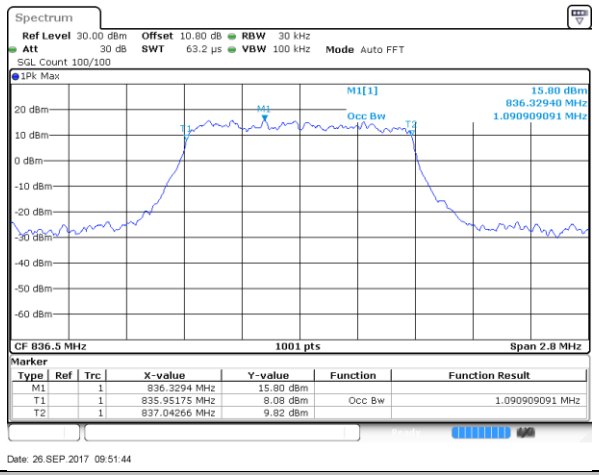
Lowest Channel / 1.4MHz / QPSK



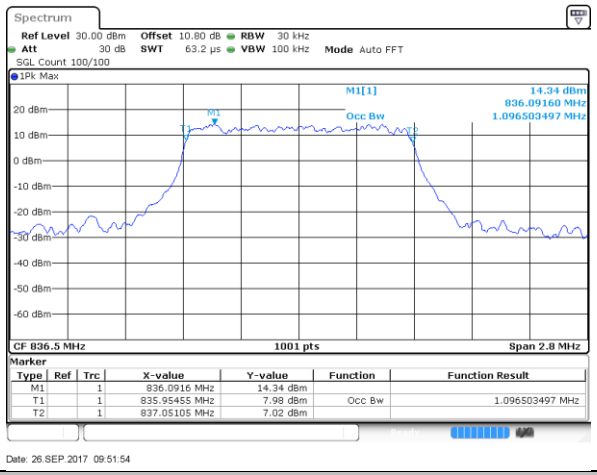
Lowest Channel / 1.4MHz / 16QAM



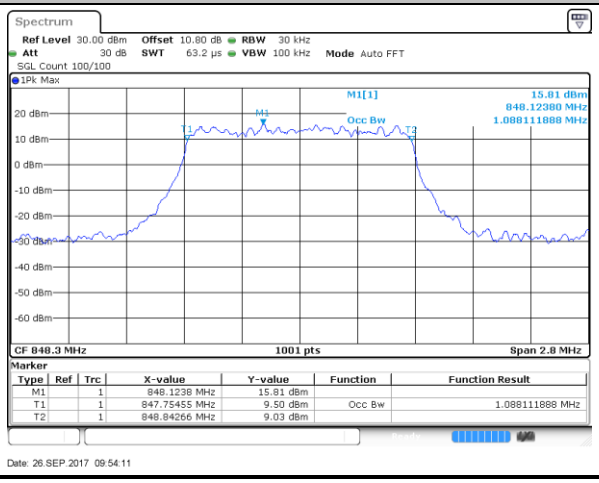
Middle Channel / 1.4MHz / QPSK



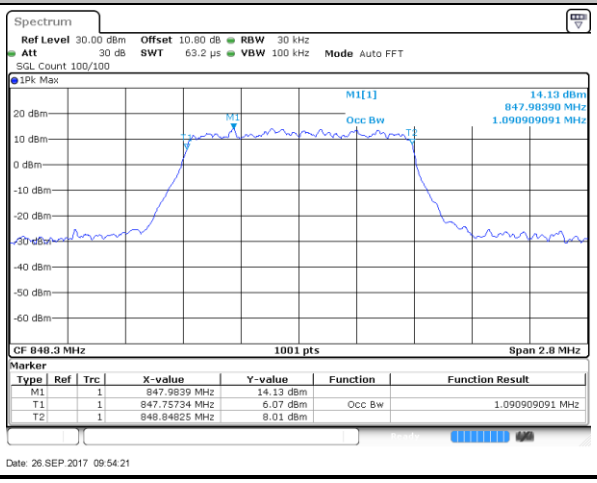
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

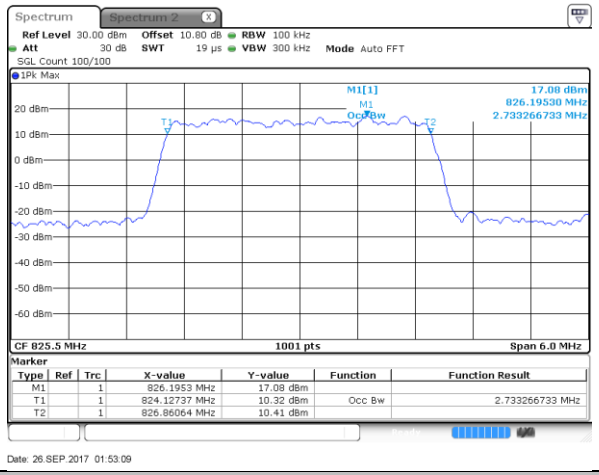


Highest Channel / 1.4MHz / 16QAM

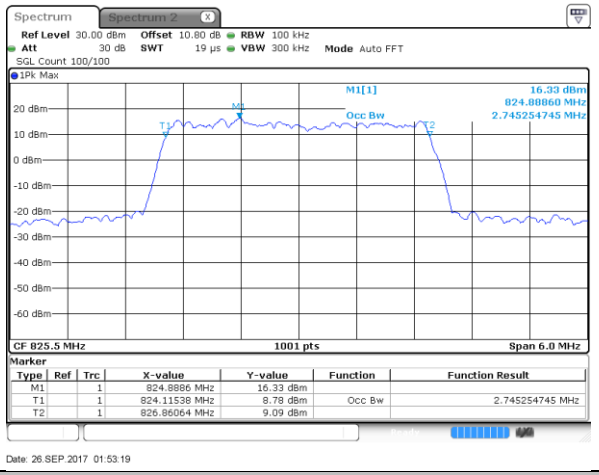


LTE Band 5

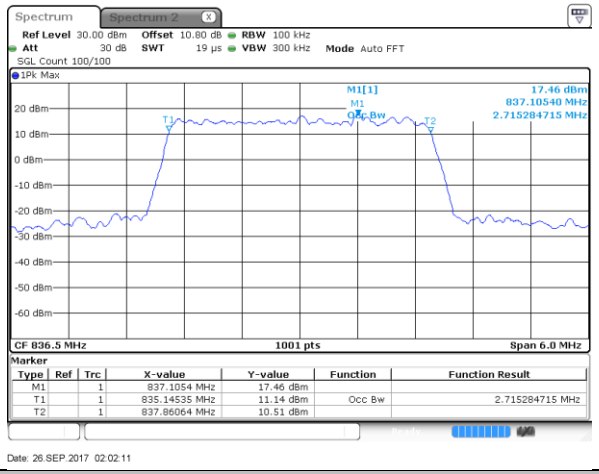
Lowest Channel / 3MHz / QPSK



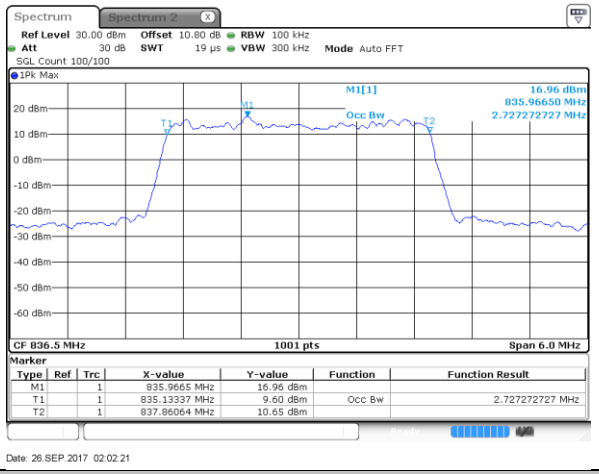
Lowest Channel / 3MHz / 16QAM



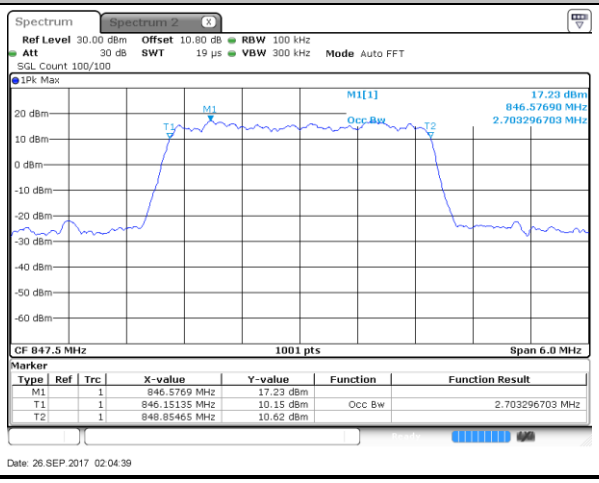
Middle Channel / 3MHz / QPSK



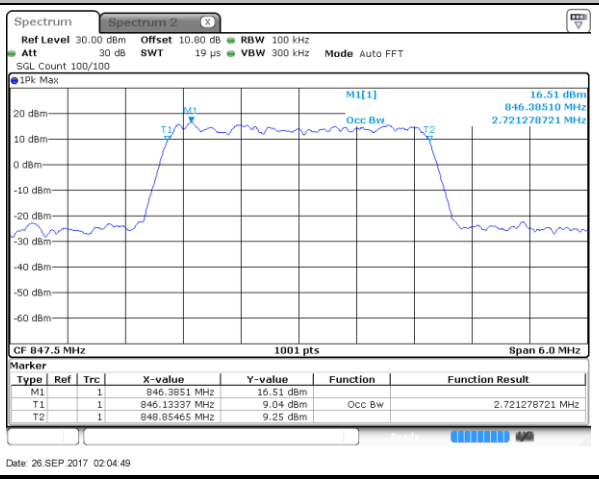
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

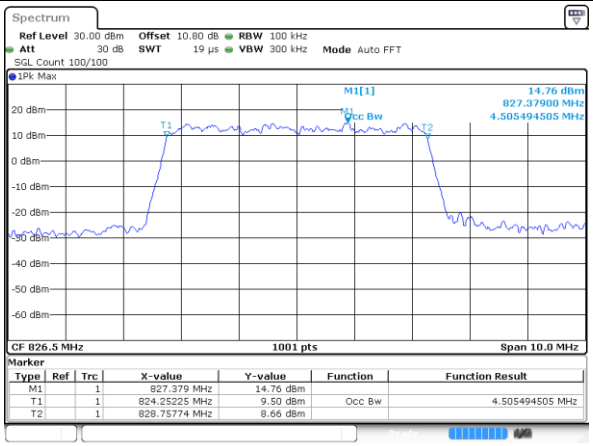


Highest Channel / 3MHz / 16QAM



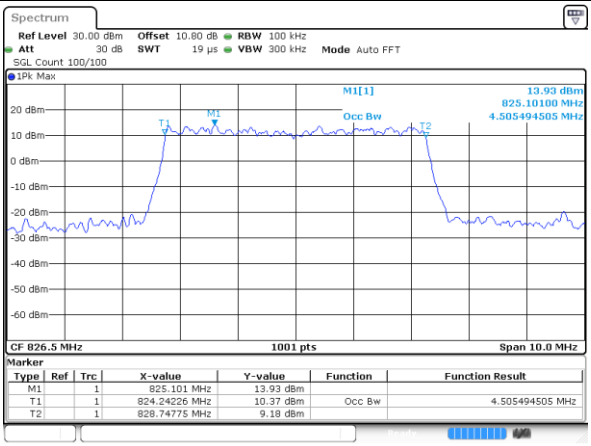
LTE Band 5

Lowest Channel / 5MHz / QPSK



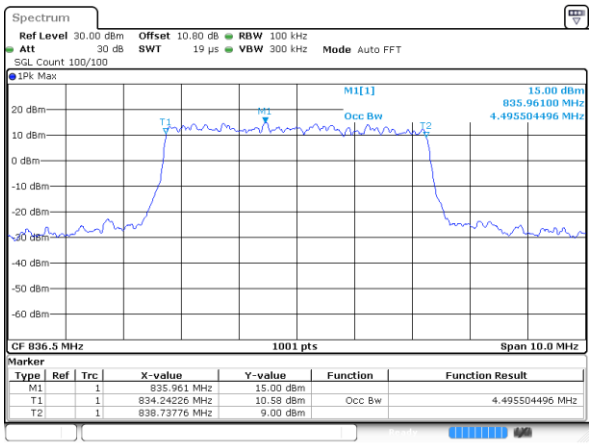
Date: 26.SEP.2017 08:57:59

Lowest Channel / 5MHz / 16QAM



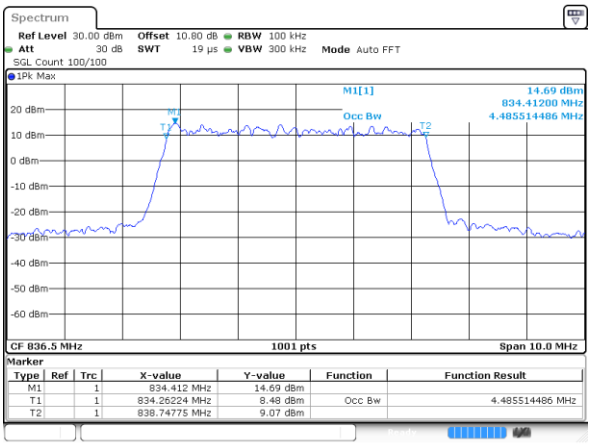
Date: 26.SEP.2017 08:58:09

Middle Channel / 5MHz / QPSK



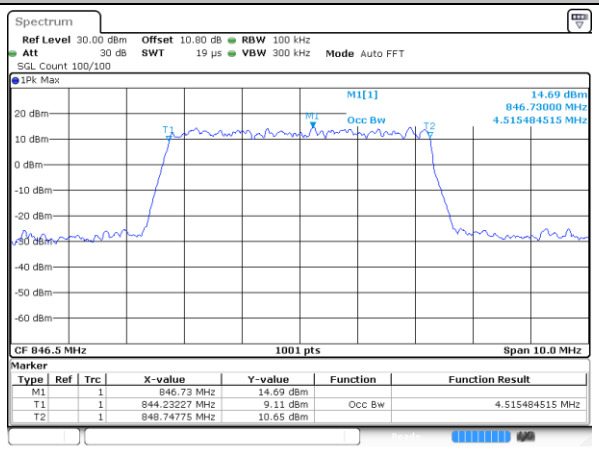
Date: 26.SEP.2017 09:08:40

Middle Channel / 5MHz / 16QAM



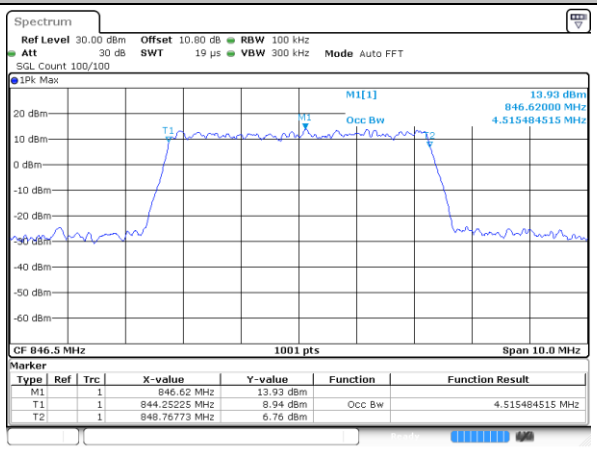
Date: 26.SEP.2017 09:08:50

Highest Channel / 5MHz / QPSK



Date: 26.SEP.2017 09:11:08

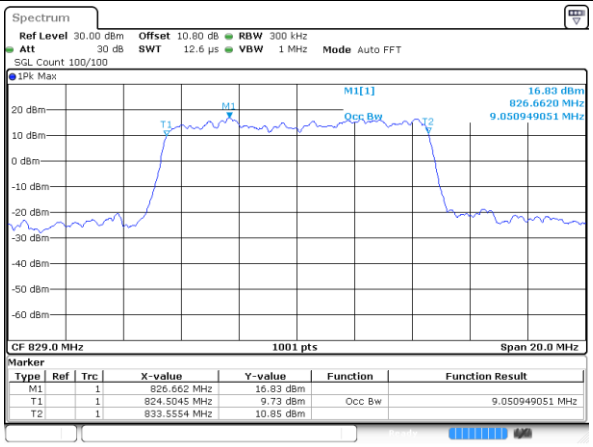
Highest Channel / 5MHz / 16QAM



Date: 26.SEP.2017 09:11:18

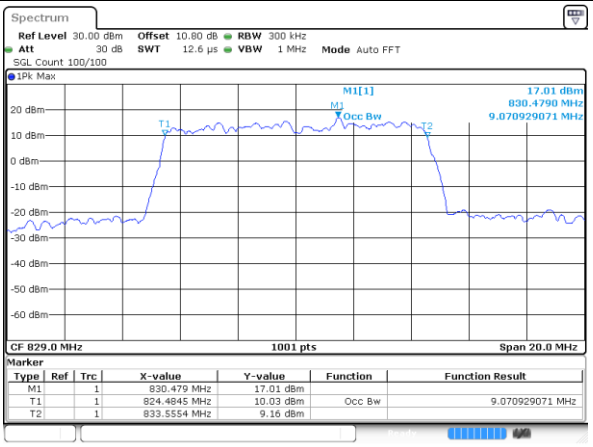
LTE Band 5

Lowest Channel / 10MHz / QPSK



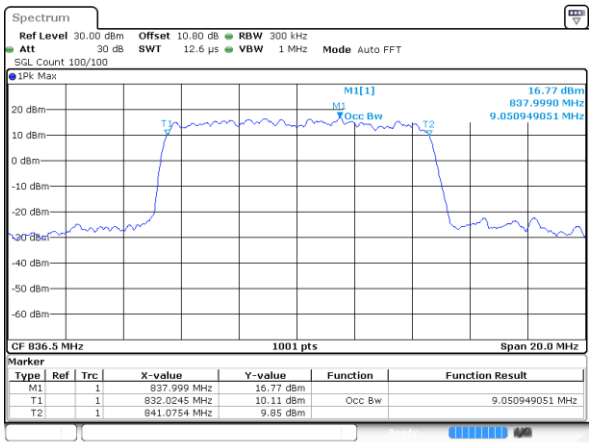
Date: 26.SEP.2017 09:20:10

Lowest Channel / 10MHz / 16QAM



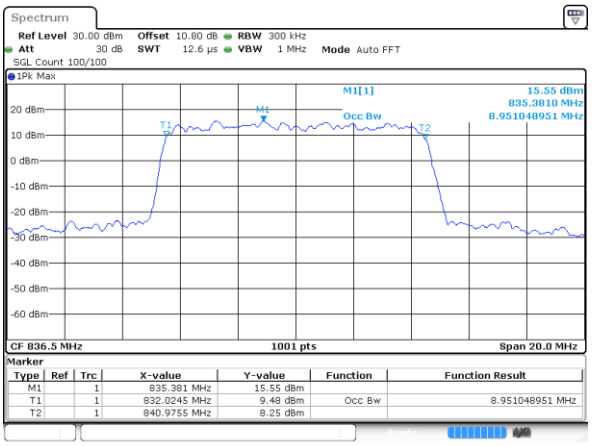
Date: 26.SEP.2017 09:20:20

Middle Channel / 10MHz / QPSK



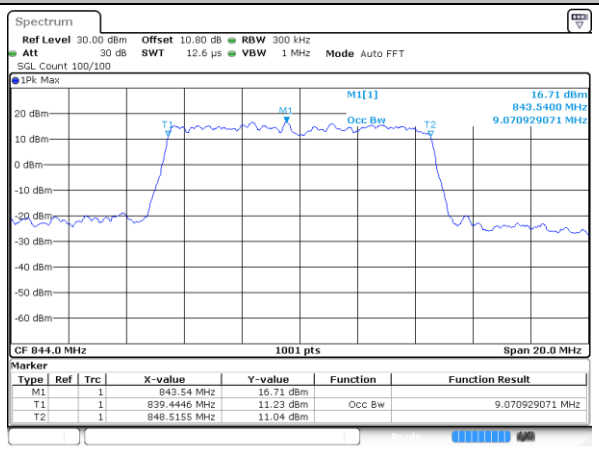
Date: 26.SEP.2017 09:29:12

Middle Channel / 10MHz / 16QAM



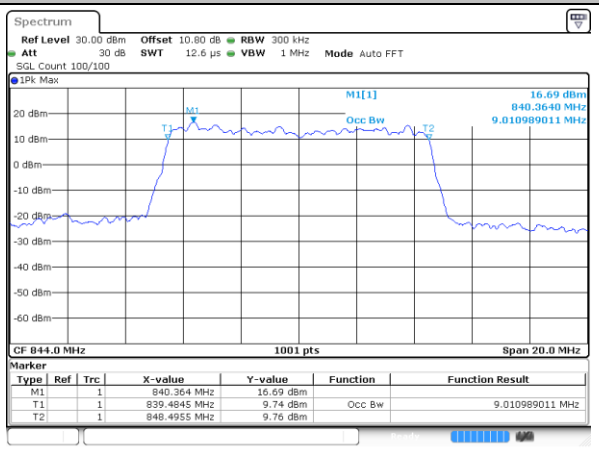
Date: 26.SEP.2017 09:29:22

Highest Channel / 10MHz / QPSK



Date: 26.SEP.2017 09:31:40

Highest Channel / 10MHz / 16QAM

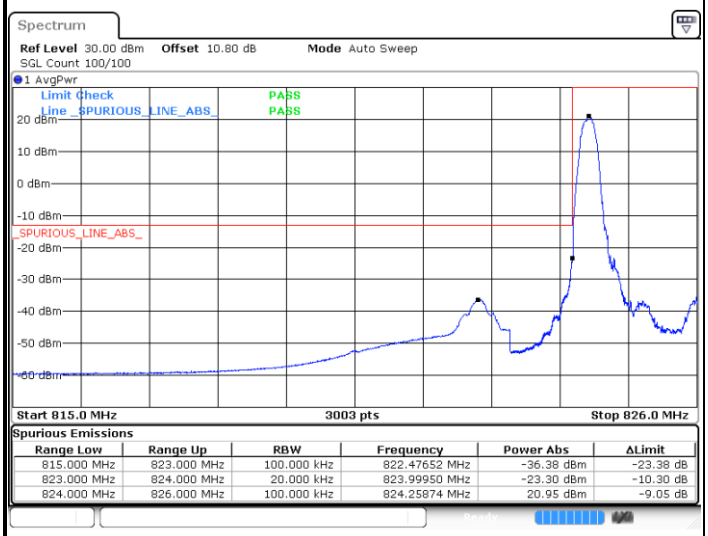


Date: 26.SEP.2017 09:31:50

Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

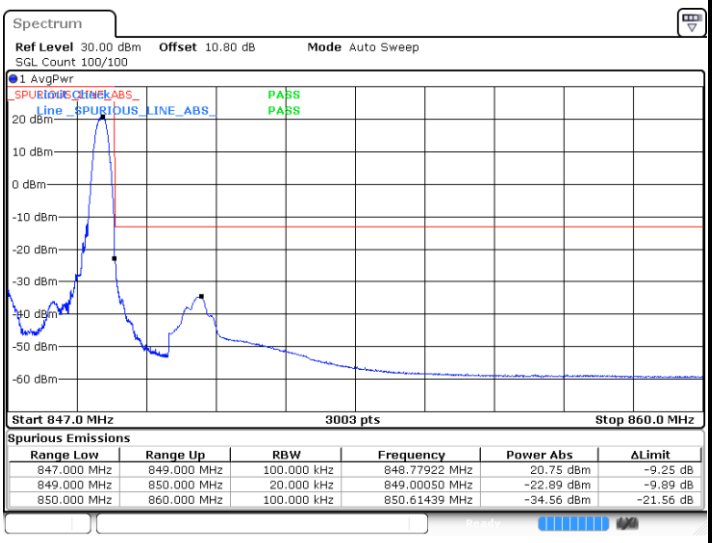


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.47652 MHz	-36.38 dBm	-23.38 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-23.30 dBm	-10.30 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25874 MHz	20.95 dBm	-9.05 dB

Date: 26.SEP.2017 09:44:50

Highest Band Edge / 1RB

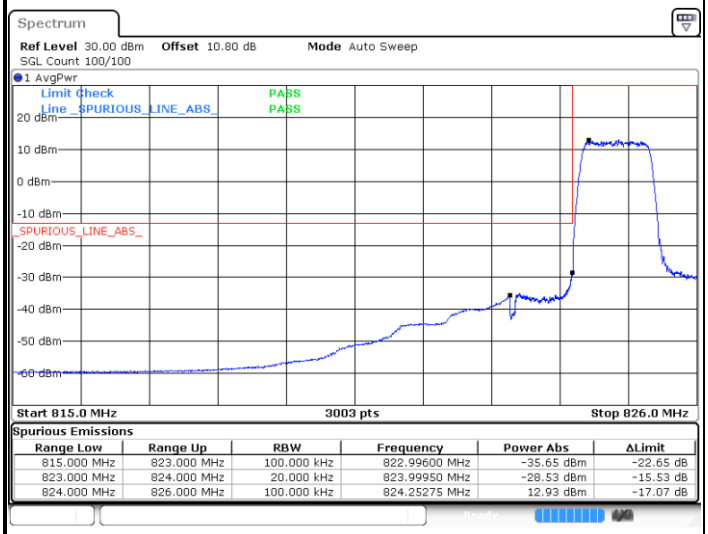


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.77922 MHz	20.75 dBm	-9.25 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-22.89 dBm	-9.89 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.61439 MHz	-34.56 dBm	-21.56 dB

Date: 26.SEP.2017 09:59:37

Lowest Band Edge / Full RB

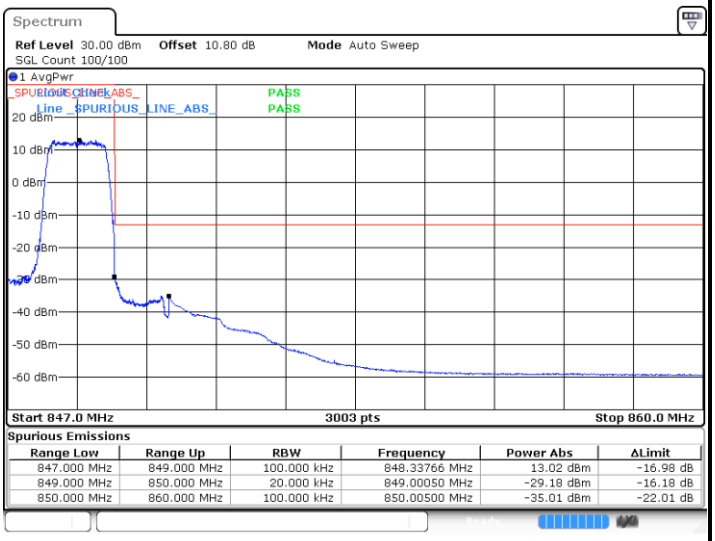


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-35.65 dBm	-22.65 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-28.53 dBm	-15.53 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25275 MHz	12.93 dBm	-17.07 dB

Date: 26.SEP.2017 09:48:07

Highest Band Edge / Full RB



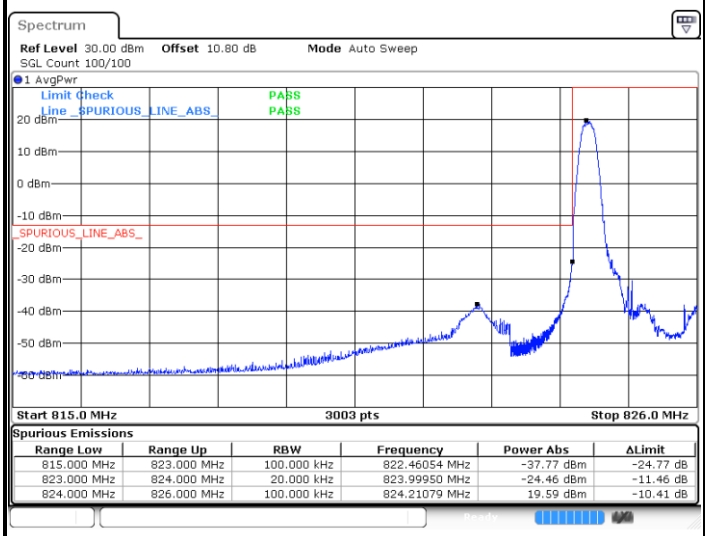
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.33766 MHz	13.02 dBm	-16.98 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-29.18 dBm	-16.18 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-35.01 dBm	-22.01 dB

Date: 26.SEP.2017 09:56:20

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

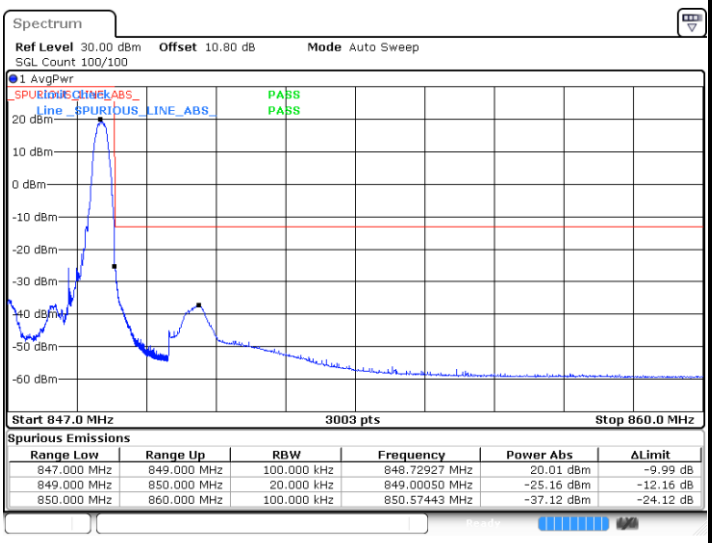


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.46054 MHz	-37.77 dBm	-24.77 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-24.46 dBm	-11.46 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.21079 MHz	19.59 dBm	-10.41 dB

Date: 26.SEP.2017 09:46:29

Highest Band Edge / 1 RB

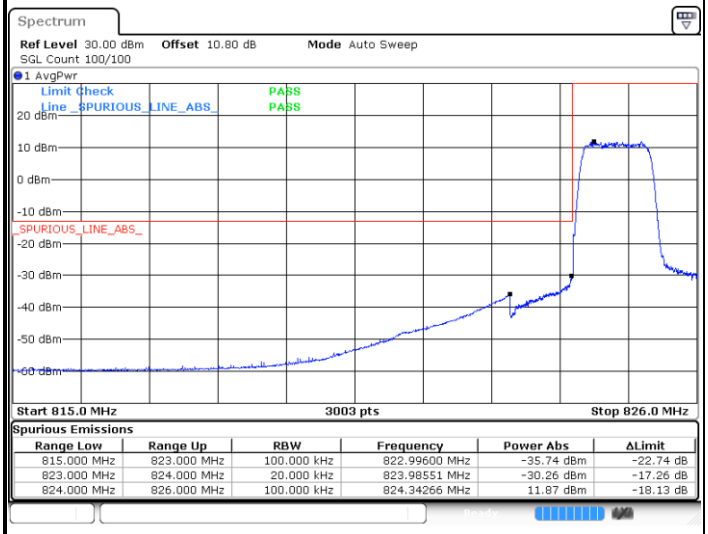


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.72927 MHz	20.01 dBm	-9.99 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-25.16 dBm	-12.16 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.57443 MHz	-37.12 dBm	-24.12 dB

Date: 26.SEP.2017 10:01:16

Lowest Band Edge / Full RB

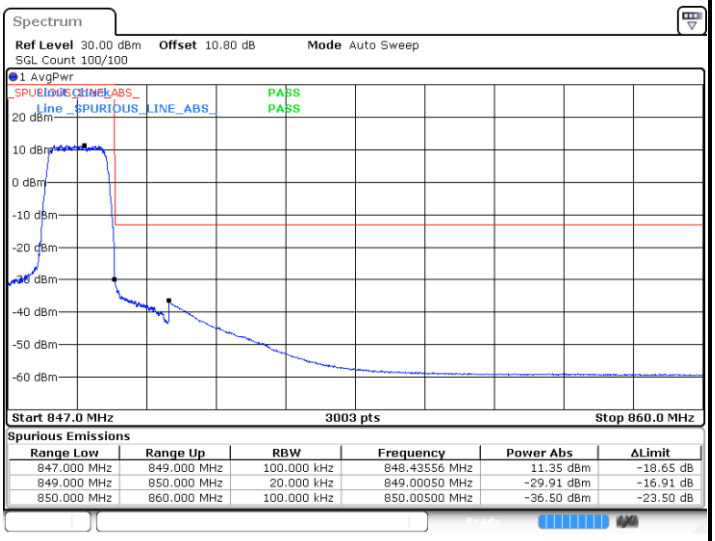


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-35.74 dBm	-22.74 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.98551 MHz	-30.26 dBm	-17.26 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.34266 MHz	11.87 dBm	-18.13 dB

Date: 26.SEP.2017 09:49:46

Highest Band Edge / Full RB



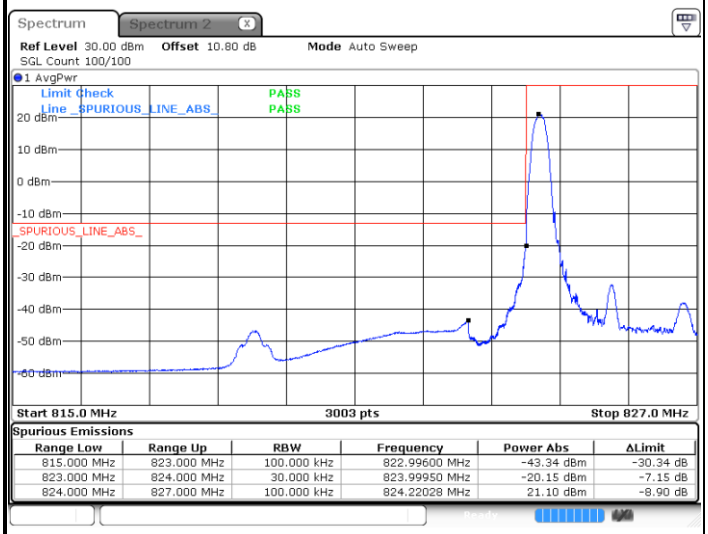
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.43556 MHz	11.35 dBm	-18.65 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-29.91 dBm	-16.91 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-36.50 dBm	-23.50 dB

Date: 26.SEP.2017 09:57:58

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

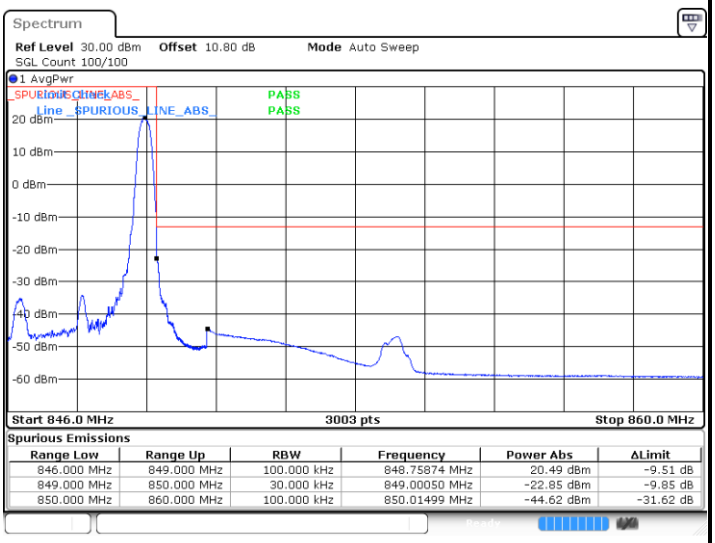


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-43.34 dBm	-30.34 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-20.15 dBm	-7.15 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.22028 MHz	21.10 dBm	-8.90 dB

Date: 26.SEP.2017 01:55:17

Highest Band Edge / 1 RB

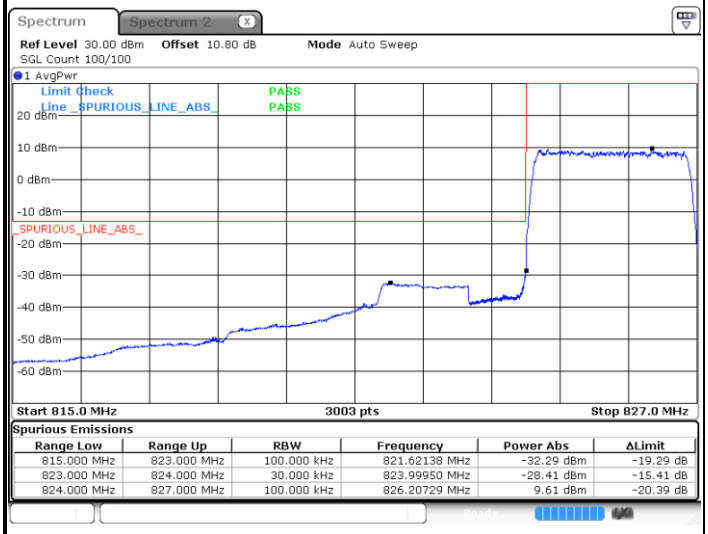


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.75874 MHz	20.49 dBm	-9.51 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-22.85 dBm	-9.85 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-44.62 dBm	-31.62 dB

Date: 26.SEP.2017 08:51:04

Lowest Band Edge / Full RB

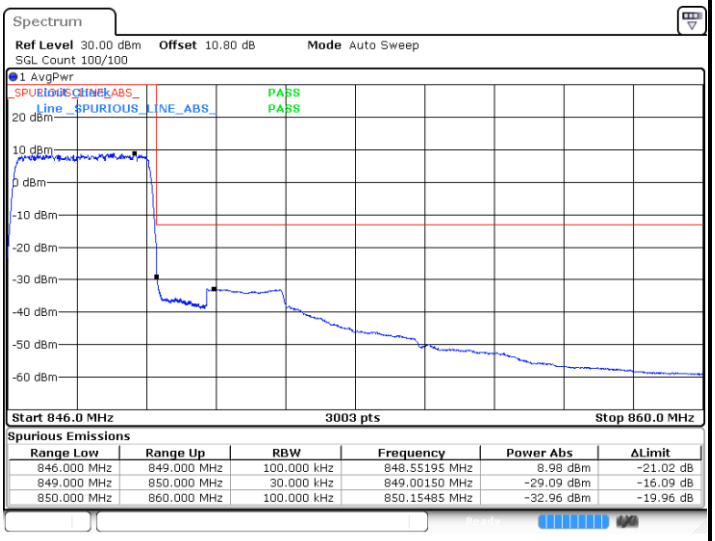


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	821.62138 MHz	-32.29 dBm	-19.29 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-28.41 dBm	-15.41 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.20729 MHz	9.61 dBm	-20.39 dB

Date: 26.SEP.2017 01:58:35

Highest Band Edge / Full RB



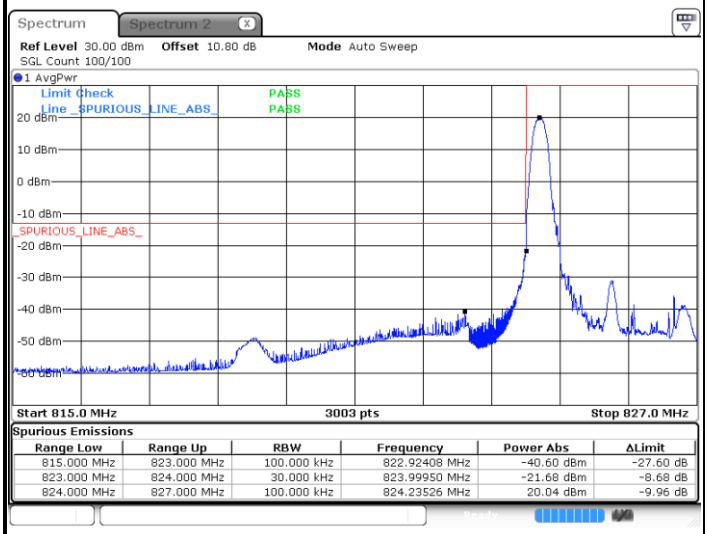
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.55195 MHz	8.98 dBm	-21.02 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00150 MHz	-29.09 dBm	-16.09 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.15485 MHz	-32.96 dBm	-19.96 dB

Date: 26.SEP.2017 08:54:22

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

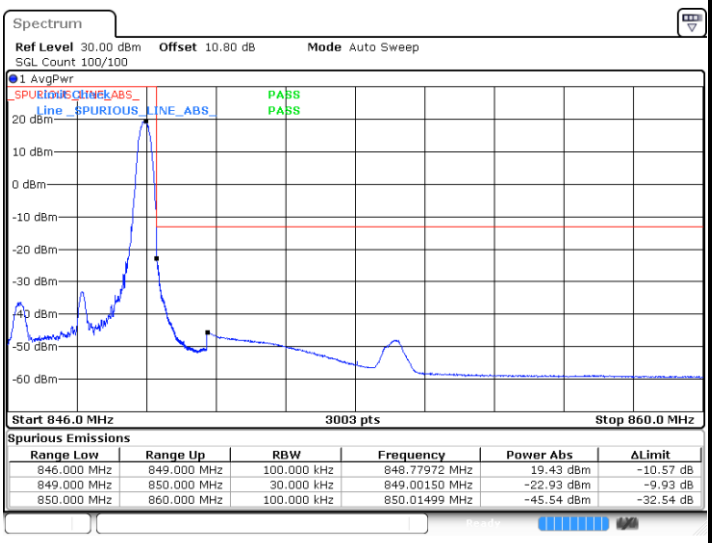


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-40.60 dBm	-27.60 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-21.68 dBm	-8.68 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.23526 MHz	20.04 dBm	-9.96 dB

Date: 26.SEP.2017 01:56:56

Highest Band Edge /1 RB

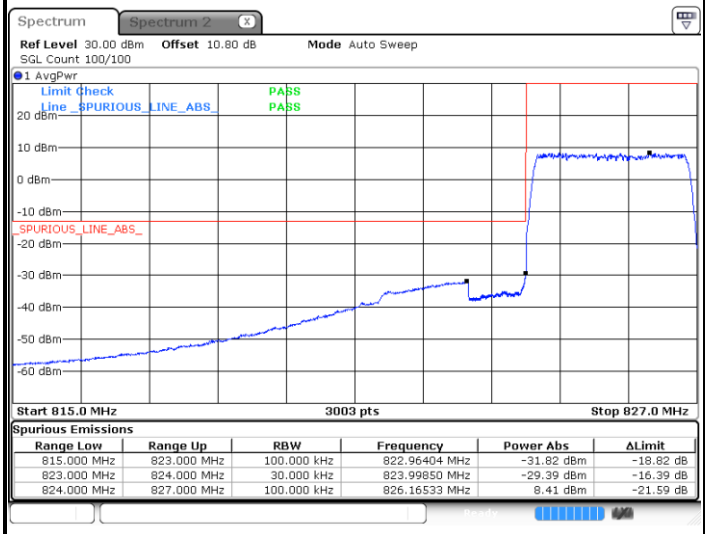


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.77972 MHz	19.43 dBm	-10.57 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00150 MHz	-22.93 dBm	-9.93 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-45.54 dBm	-32.54 dB

Date: 26.SEP.2017 08:52:43

Lowest Band Edge / Full RB

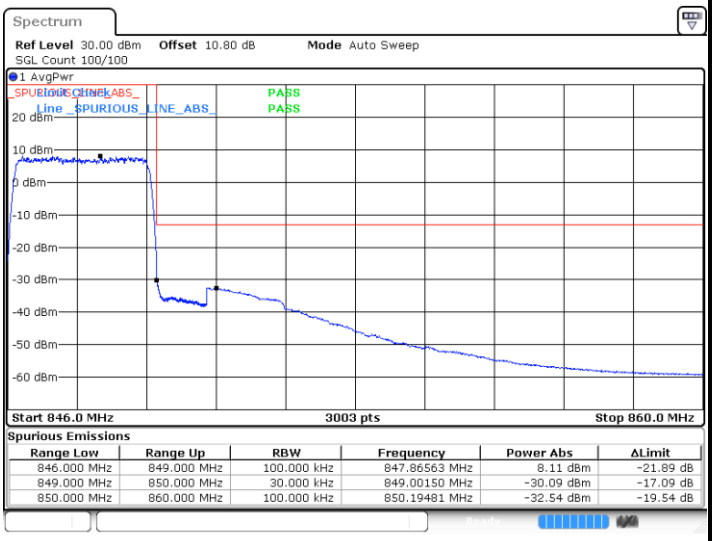


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-31.82 dBm	-18.82 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99850 MHz	-29.39 dBm	-16.39 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.16533 MHz	8.41 dBm	-21.59 dB

Date: 26.SEP.2017 02:00:13

Highest Band Edge / Full RB



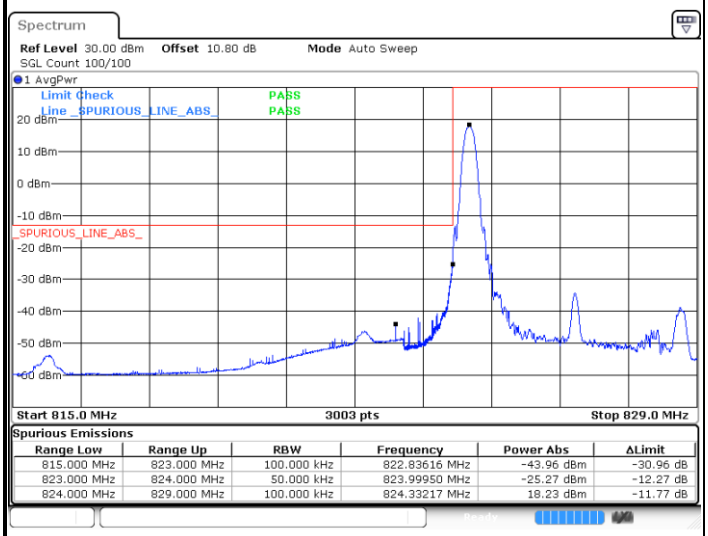
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.86563 MHz	8.11 dBm	-21.89 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00150 MHz	-30.09 dBm	-17.09 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.19481 MHz	-32.54 dBm	-19.54 dB

Date: 26.SEP.2017 08:56:01

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

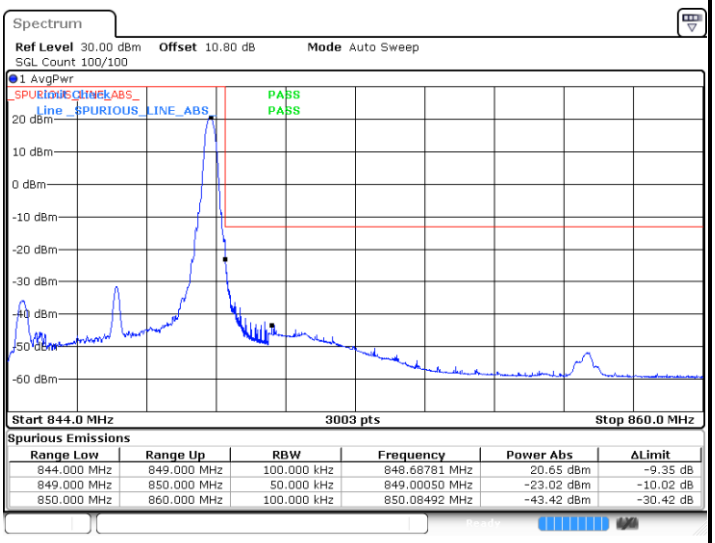


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.83616 MHz	-43.96 dBm	-30.96 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-25.27 dBm	-12.27 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.33217 MHz	18.23 dBm	-11.77 dB

Date: 26.SEP.2017 09:00:07

Highest Band Edge / 1 RB

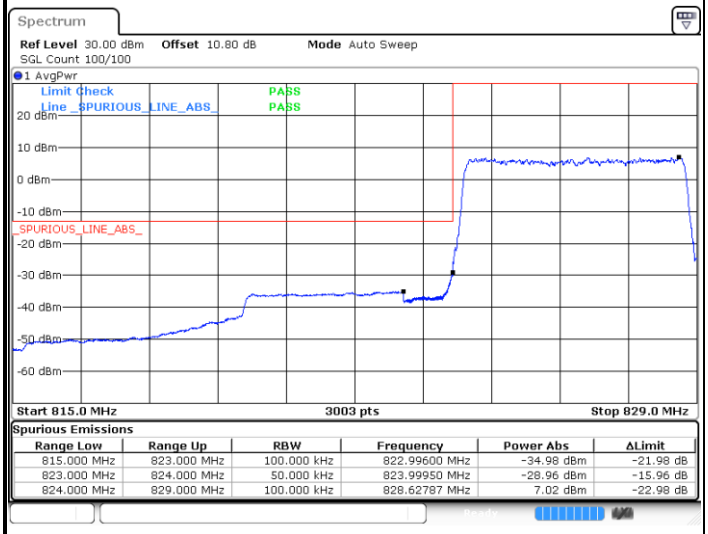


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.68781 MHz	20.65 dBm	-9.35 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-23.02 dBm	-10.02 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.08492 MHz	-43.42 dBm	-30.42 dB

Date: 26.SEP.2017 09:13:16

Lowest Band Edge / Full RB

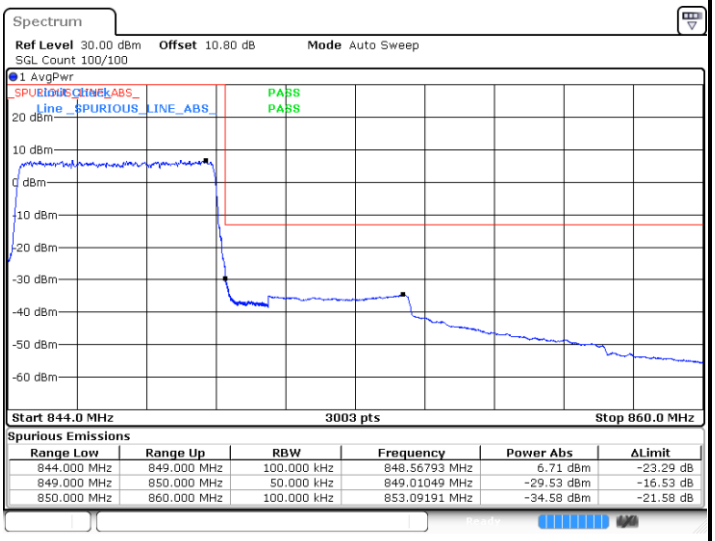


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-34.98 dBm	-21.98 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-28.96 dBm	-15.96 dB
824.000 MHz	829.000 MHz	100.000 kHz	828.62787 MHz	7.02 dBm	-22.98 dB

Date: 26.SEP.2017 09:05:04

Highest Band Edge / Full RB



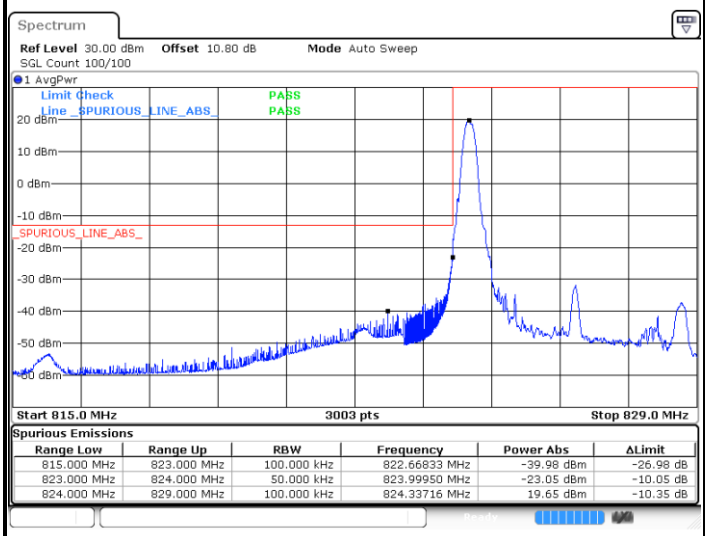
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.56793 MHz	6.71 dBm	-23.29 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.01049 MHz	-29.53 dBm	-16.53 dB
850.000 MHz	860.000 MHz	100.000 kHz	853.09191 MHz	-34.58 dBm	-21.58 dB

Date: 26.SEP.2017 09:16:33

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

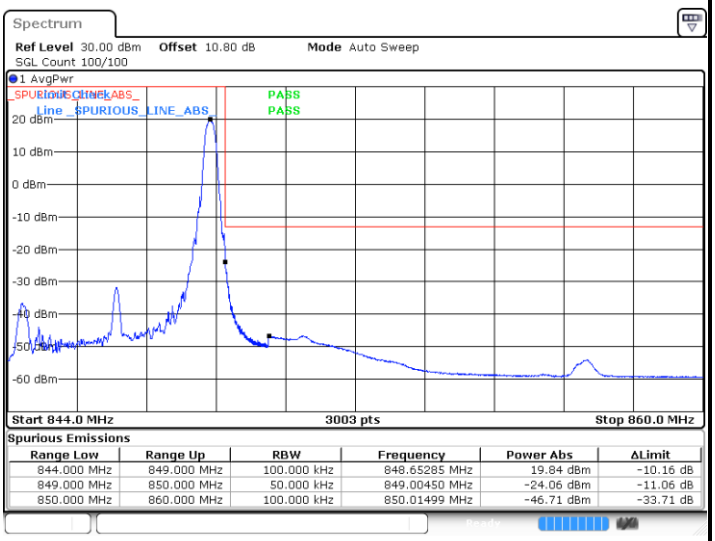


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.66833 MHz	-39.98 dBm	-26.98 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-23.05 dBm	-10.05 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.33716 MHz	19.65 dBm	-10.35 dB

Date: 26.SEP.2017 09:03:25

Highest Band Edge / 1 RB

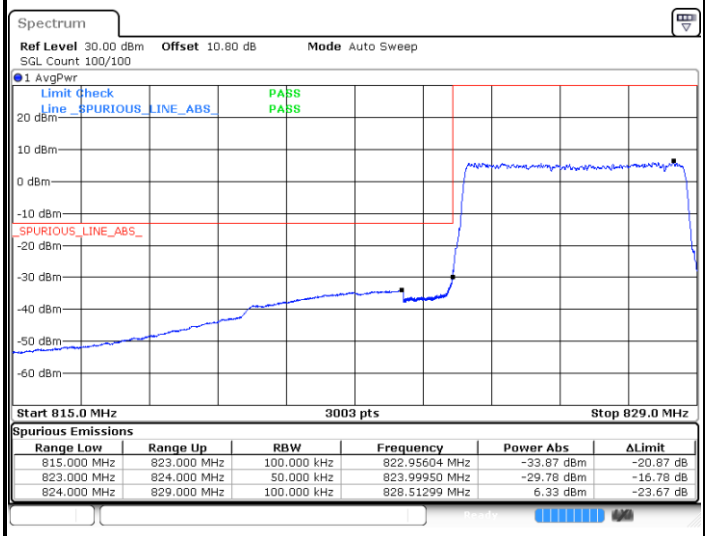


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.65285 MHz	19.84 dBm	-10.16 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00450 MHz	-24.06 dBm	-11.06 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-46.71 dBm	-33.71 dB

Date: 26.SEP.2017 09:14:55

Lowest Band Edge / Full RB

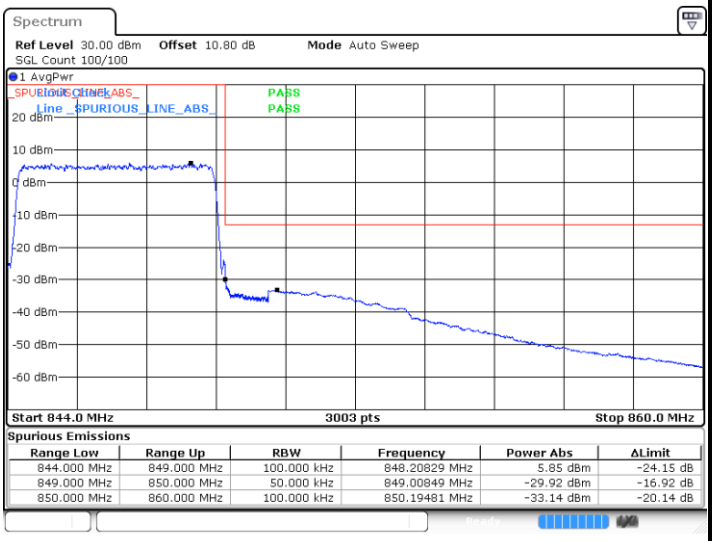


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-33.87 dBm	-20.87 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-29.78 dBm	-16.78 dB
824.000 MHz	829.000 MHz	100.000 kHz	828.51299 MHz	6.33 dBm	-23.67 dB

Date: 26.SEP.2017 09:06:43

Highest Band Edge / Full RB



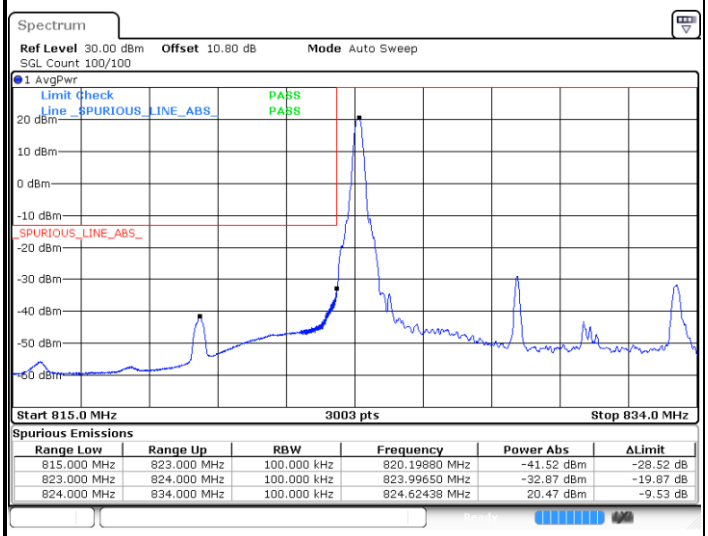
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.20829 MHz	5.85 dBm	-24.15 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00849 MHz	-29.92 dBm	-16.92 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.19481 MHz	-33.14 dBm	-20.14 dB

Date: 26.SEP.2017 09:18:12

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

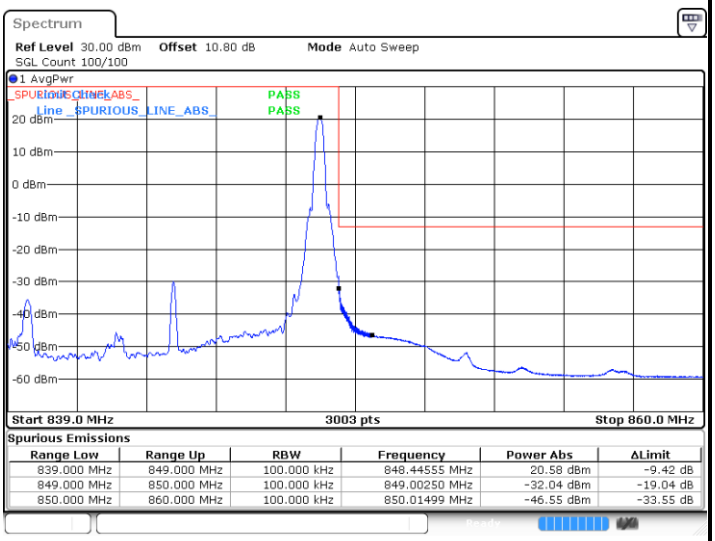


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.19880 MHz	-41.52 dBm	-28.52 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99650 MHz	-32.87 dBm	-19.87 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.62438 MHz	20.47 dBm	-9.53 dB

Date: 26.SEP.2017 09:22:18

Highest Band Edge / 1 RB

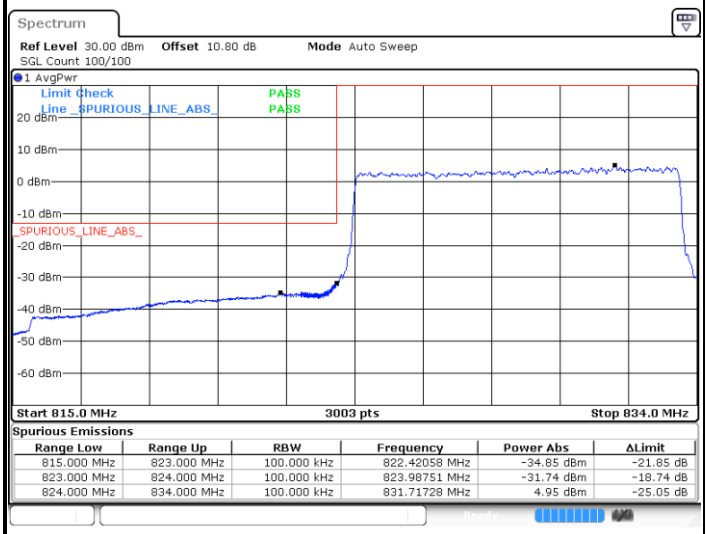


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.44555 MHz	20.58 dBm	-9.42 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00250 MHz	-32.04 dBm	-19.04 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-46.55 dBm	-33.55 dB

Date: 26.SEP.2017 09:33:48

Lowest Band Edge / Full RB

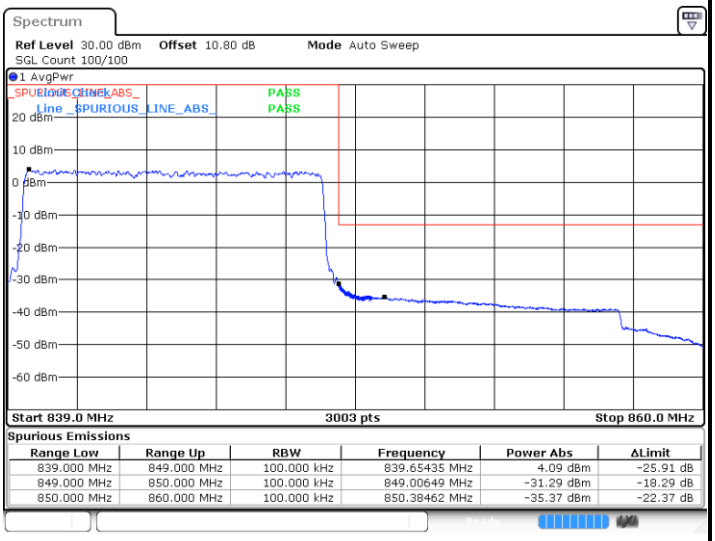


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.42058 MHz	-34.85 dBm	-21.85 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98751 MHz	-31.74 dBm	-18.74 dB
824.000 MHz	834.000 MHz	100.000 kHz	831.71728 MHz	4.95 dBm	-25.05 dB

Date: 26.SEP.2017 09:25:36

Highest Band Edge / Full RB



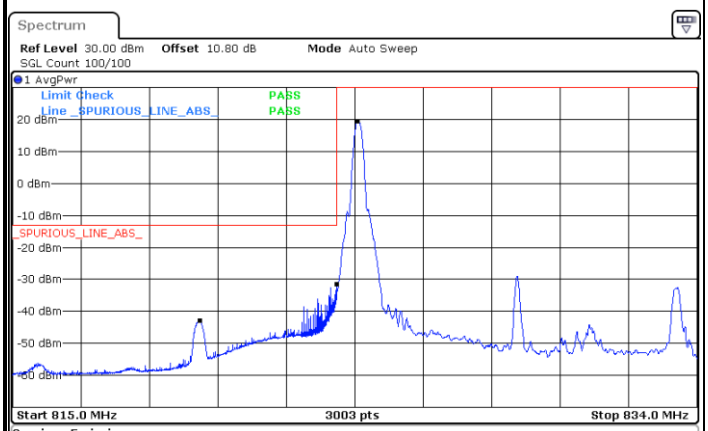
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	839.65435 MHz	4.09 dBm	-25.91 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00649 MHz	-31.29 dBm	-18.29 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.38462 MHz	-35.37 dBm	-22.37 dB

Date: 26.SEP.2017 09:37:06

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

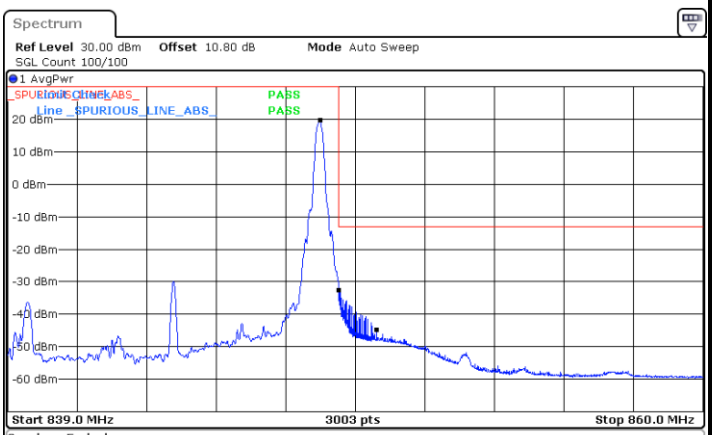


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.20679 MHz	-42.96 dBm	-29.96 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99950 MHz	-31.60 dBm	-18.60 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.57443 MHz	19.50 dBm	-10.50 dB

Date: 26.SEP.2017 09:23:57

Highest Band Edge / 1 RB

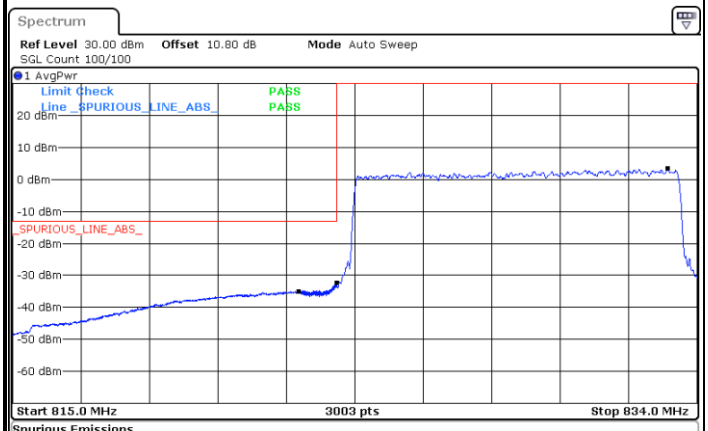


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.42557 MHz	19.73 dBm	-10.27 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00450 MHz	-32.69 dBm	-19.69 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.12488 MHz	-44.93 dBm	-31.93 dB

Date: 26.SEP.2017 09:35:27

Lowest Band Edge / Full RB

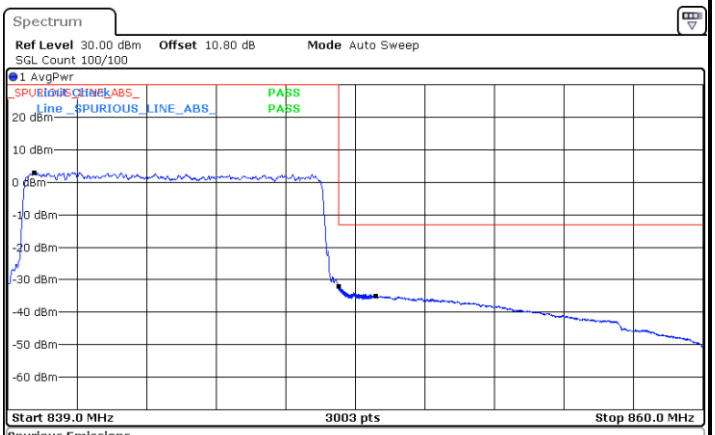


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94805 MHz	-35.16 dBm	-22.16 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99850 MHz	-32.39 dBm	-19.39 dB
824.000 MHz	834.000 MHz	100.000 kHz	833.17582 MHz	3.33 dBm	-26.67 dB

Date: 26.SEP.2017 09:27:14

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	839.80420 MHz	2.99 dBm	-27.01 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00250 MHz	-32.02 dBm	-19.02 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.10490 MHz	-34.98 dBm	-21.98 dB

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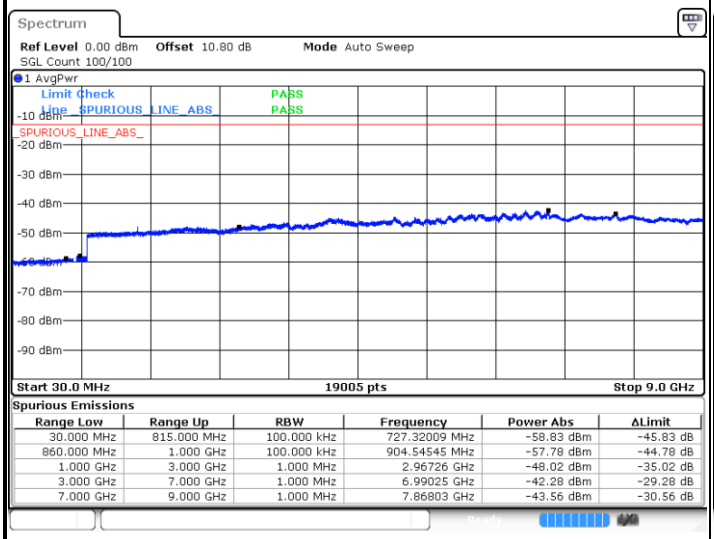
Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	727.32009 MHz	-58.83 dBm	-45.83 dB
860.000 MHz	1.000 GHz	100.000 kHz	904.54545 MHz	-57.78 dBm	-44.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96726 GHz	-48.02 dBm	-35.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.28 dBm	-29.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86803 GHz	-43.56 dBm	-30.56 dB

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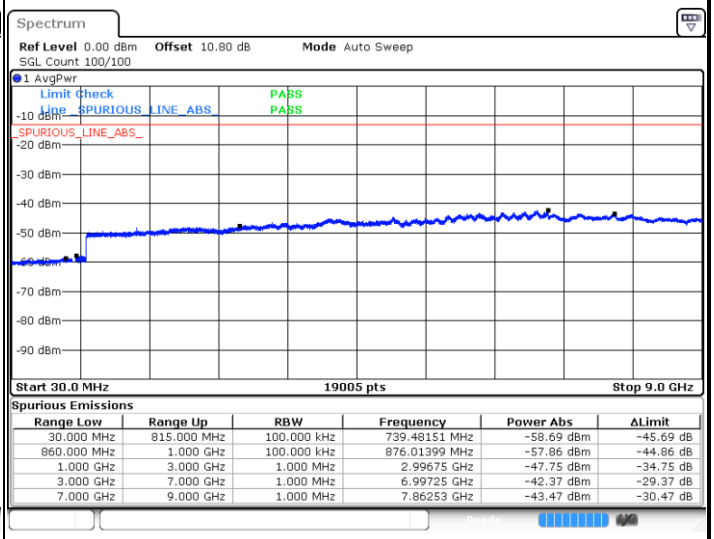
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	739.48151 MHz	-58.69 dBm	-45.69 dB
860.000 MHz	1.000 GHz	100.000 kHz	876.01399 MHz	-57.86 dBm	-44.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99675 GHz	-47.75 dBm	-34.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-42.37 dBm	-29.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86253 GHz	-43.47 dBm	-30.47 dB

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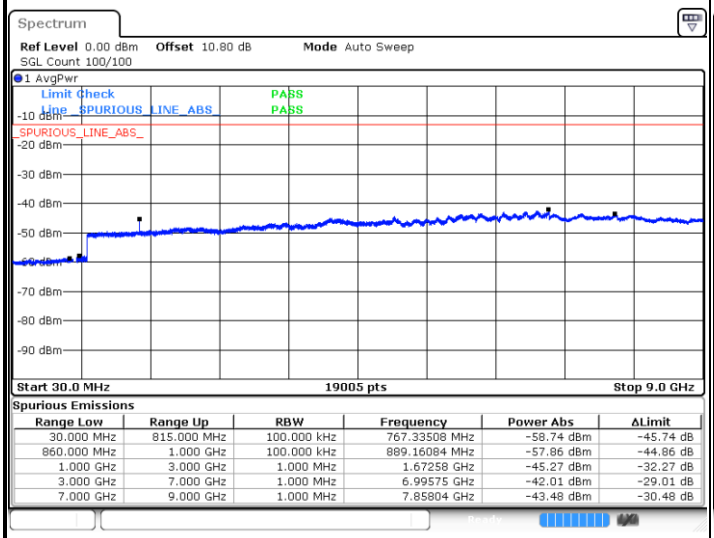
Middle Channel / QPSK

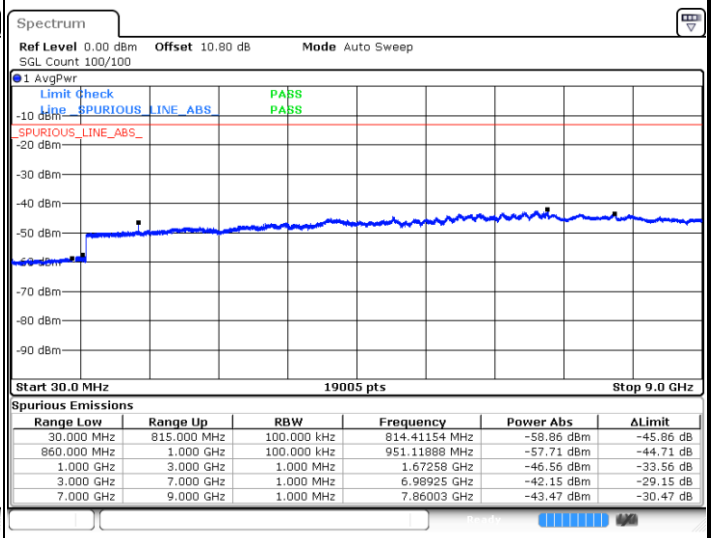


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	767.33508 MHz	-58.74 dBm	-45.74 dB
860.000 MHz	1.000 GHz	100.000 kHz	889.16084 MHz	-57.86 dBm	-44.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-45.27 dBm	-32.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-42.01 dBm	-29.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85804 GHz	-43.48 dBm	-30.48 dB

Date: 26.SEP.2017 09:53:08

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-58.86 dBm	-45.86 dB
860.000 MHz	1.000 GHz	100.000 kHz	951.11888 MHz	-57.71 dBm	-44.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-46.56 dBm	-33.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-42.15 dBm	-29.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86003 GHz	-43.47 dBm	-30.47 dB

Date: 26.SEP.2017 09:54:01