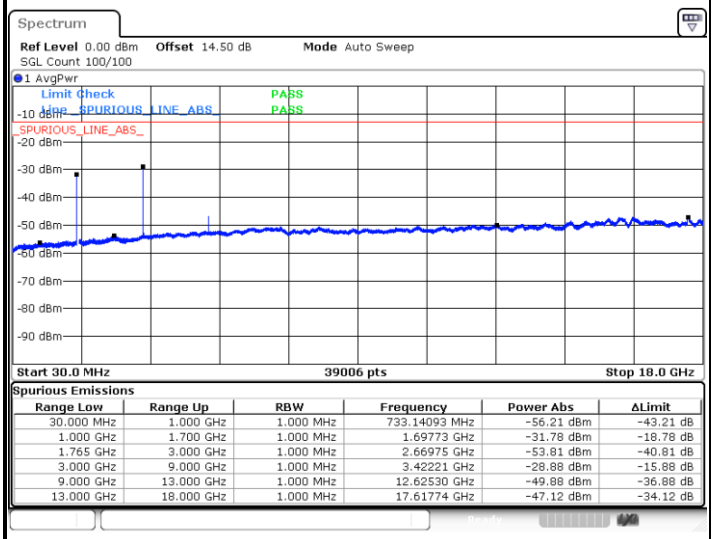
LTE Band 4 / 15MHz

Lowest Channel / QPSK

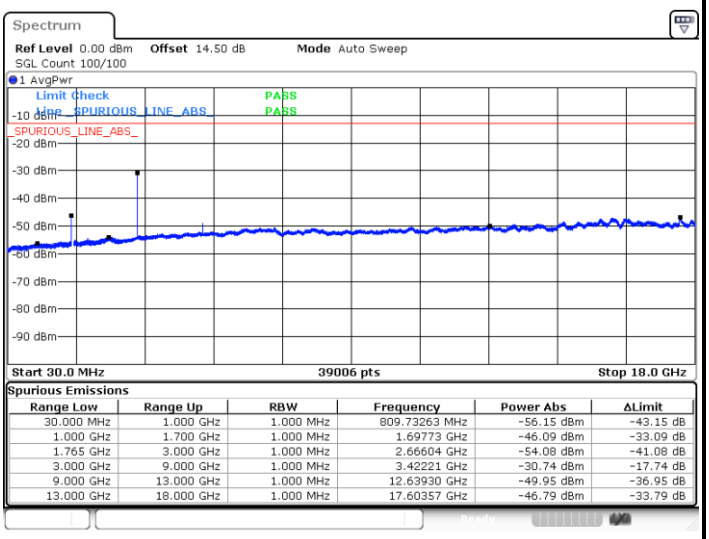


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	733.14093 MHz	-56.21 dBm	-43.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-31.78 dBm	-18.78 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66975 GHz	-53.81 dBm	-40.81 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-28.88 dBm	-15.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.62530 GHz	-49.88 dBm	-36.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.61774 GHz	-47.12 dBm	-34.12 dB

Date: 27.FEB.2020 11:53:53

Lowest Channel / 16QAM

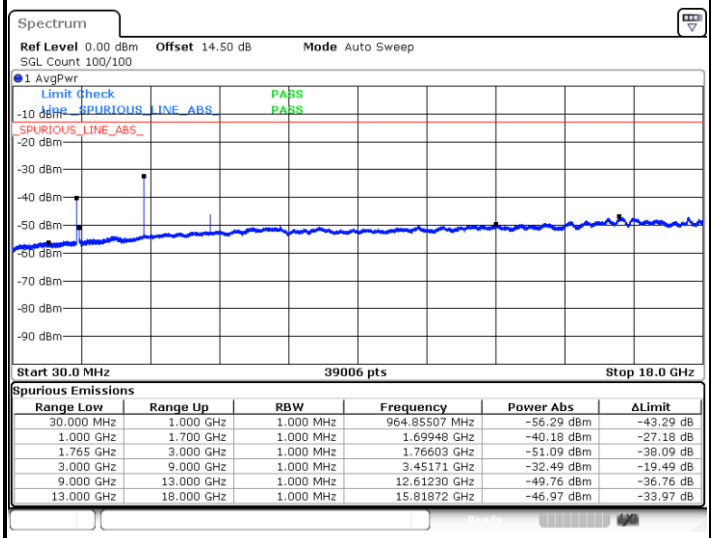


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	809.73263 MHz	-56.15 dBm	-43.15 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-46.09 dBm	-33.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66604 GHz	-54.08 dBm	-41.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-30.74 dBm	-17.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.63930 GHz	-49.95 dBm	-36.95 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60357 GHz	-46.79 dBm	-33.79 dB

Date: 26.FEB.2020 19:04:58

Middle Channel / QPSK

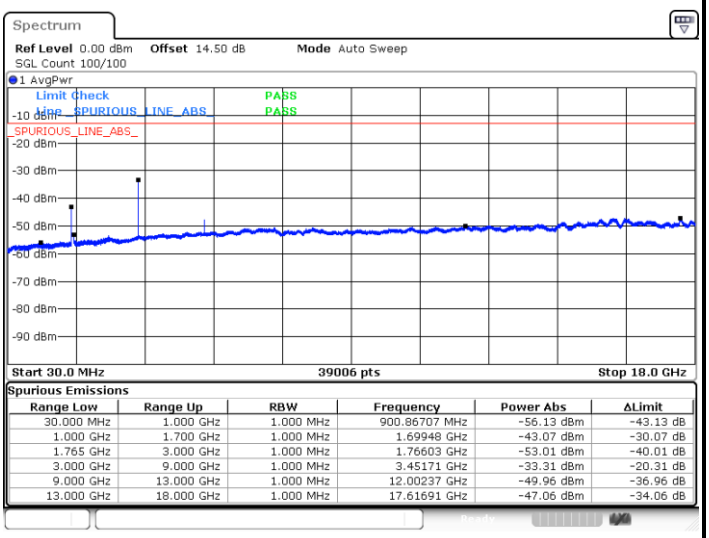


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-56.29 dBm	-43.29 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-40.18 dBm	-27.18 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76603 GHz	-51.09 dBm	-38.09 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-32.49 dBm	-19.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.61230 GHz	-49.76 dBm	-36.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.81872 GHz	-46.97 dBm	-33.97 dB

Date: 27.FEB.2020 11:56:16

Middle Channel / 16QAM



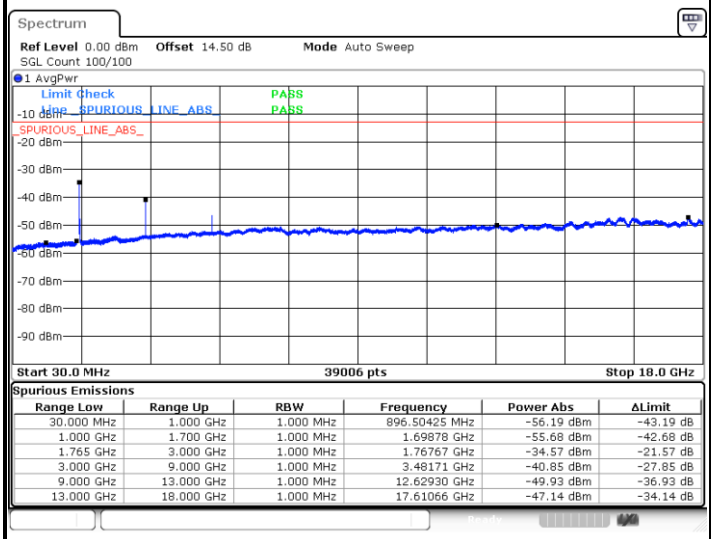
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.86707 MHz	-56.13 dBm	-43.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-43.07 dBm	-30.07 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76603 GHz	-53.01 dBm	-40.01 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-33.31 dBm	-20.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.00237 GHz	-49.96 dBm	-36.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.61691 GHz	-47.06 dBm	-34.06 dB

Date: 26.FEB.2020 19:07:20

LTE Band 4 / 15MHz

Highest Channel / QPSK

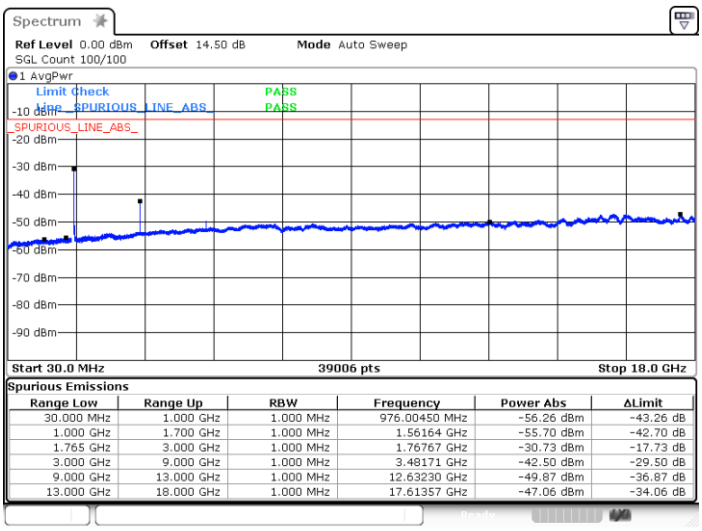


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-56.19 dBm	-43.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-55.68 dBm	-42.68 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-34.57 dBm	-21.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-40.85 dBm	-27.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.62930 GHz	-49.93 dBm	-36.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.61066 GHz	-47.14 dBm	-34.14 dB

Date: 27.FEB.2020 12:01:26

Highest Channel / 16QAM



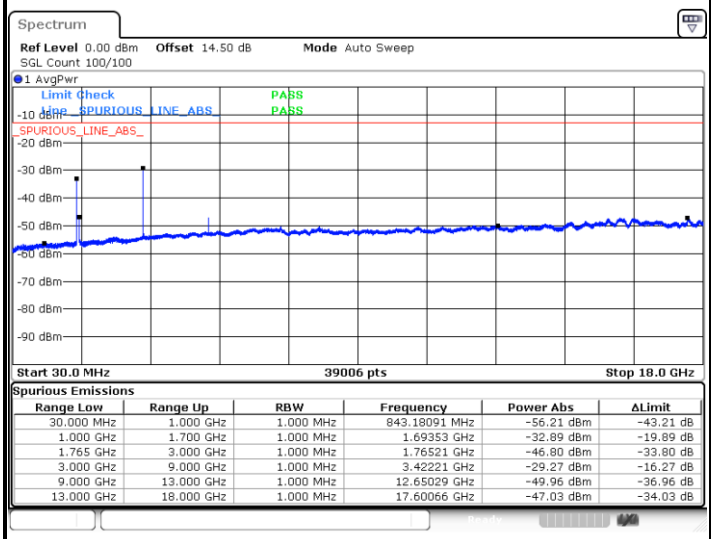
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-56.26 dBm	-43.26 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56164 GHz	-55.70 dBm	-42.70 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-30.73 dBm	-17.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-42.50 dBm	-29.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.63230 GHz	-49.87 dBm	-36.87 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.61357 GHz	-47.06 dBm	-34.06 dB

Date: 26.FEB.2020 19:13:30

LTE Band 4 / 20MHz

Lowest Channel / QPSK

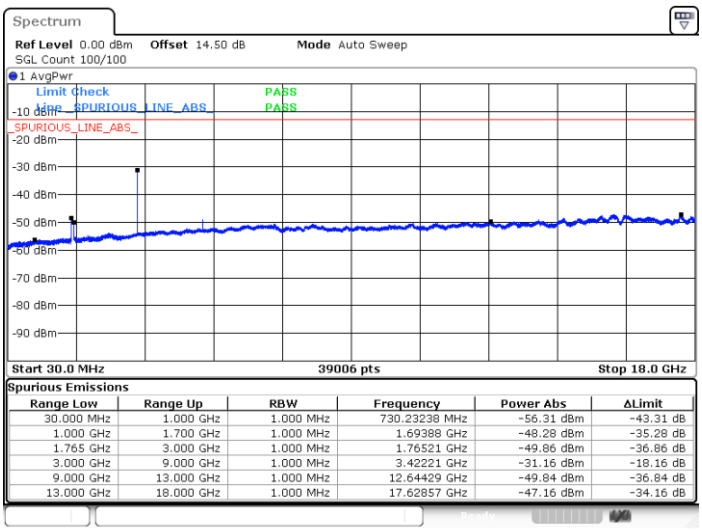


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	843.18091 MHz	-56.21 dBm	-43.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-32.89 dBm	-19.89 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76521 GHz	-46.80 dBm	-33.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-29.27 dBm	-16.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65029 GHz	-49.96 dBm	-36.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60066 GHz	-47.03 dBm	-34.03 dB

Date: 27.FEB.2020 12:06:35

Lowest Channel / 16QAM



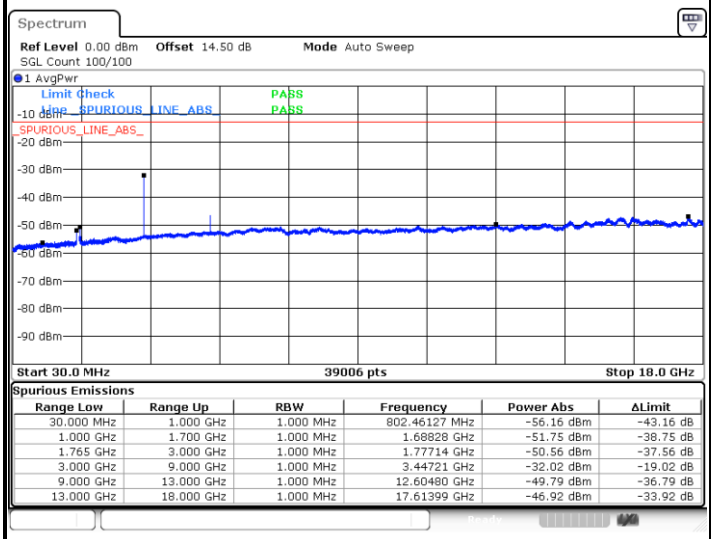
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	730.23238 MHz	-56.31 dBm	-43.31 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69388 GHz	-48.28 dBm	-35.28 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76521 GHz	-49.86 dBm	-36.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-31.16 dBm	-18.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64429 GHz	-49.84 dBm	-36.84 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.62857 GHz	-47.16 dBm	-34.16 dB

Date: 26.FEB.2020 19:22:36

LTE Band 4 / 20MHz

Middle Channel / QPSK

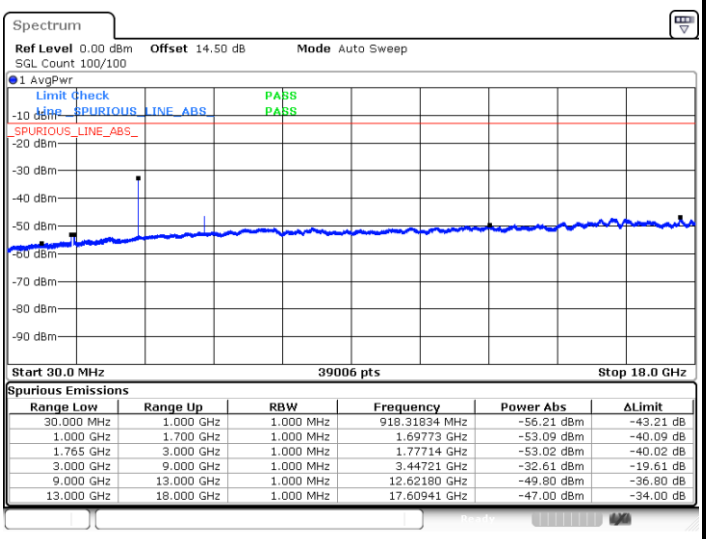


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	802.46127 MHz	-56.16 dBm	-43.16 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68828 GHz	-51.75 dBm	-38.75 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77714 GHz	-50.56 dBm	-37.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-32.02 dBm	-19.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.60480 GHz	-49.79 dBm	-36.79 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.61399 GHz	-46.92 dBm	-33.92 dB

Date: 27.FEB.2020 12:08:58

Middle Channel / 16QAM

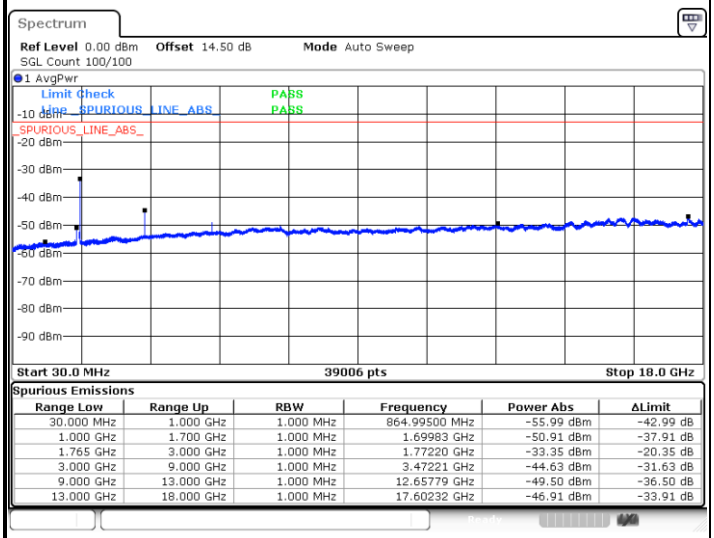


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.31834 MHz	-56.21 dBm	-43.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-53.09 dBm	-40.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77714 GHz	-53.02 dBm	-40.02 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-32.61 dBm	-19.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.62180 GHz	-49.80 dBm	-36.80 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60941 GHz	-47.00 dBm	-34.00 dB

Date: 26.FEB.2020 19:24:59

Highest Channel / QPSK

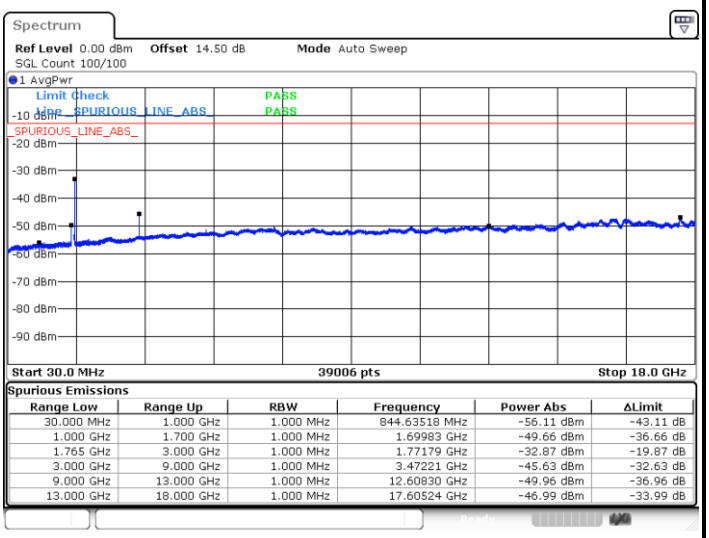


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	864.99500 MHz	-55.99 dBm	-42.99 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-50.91 dBm	-37.91 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-33.35 dBm	-20.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-44.63 dBm	-31.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65779 GHz	-49.50 dBm	-36.50 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60232 GHz	-46.91 dBm	-33.91 dB

Date: 27.FEB.2020 12:14:09

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.63518 MHz	-56.11 dBm	-43.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-49.66 dBm	-36.66 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-32.87 dBm	-19.87 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-45.63 dBm	-32.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.60830 GHz	-49.96 dBm	-36.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.60524 GHz	-46.99 dBm	-33.99 dB

Date: 26.FEB.2020 19:32:40

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	0.0002	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =12V. ; Battery End Point (BEP) =9V. ; Maximum Voltage =16V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

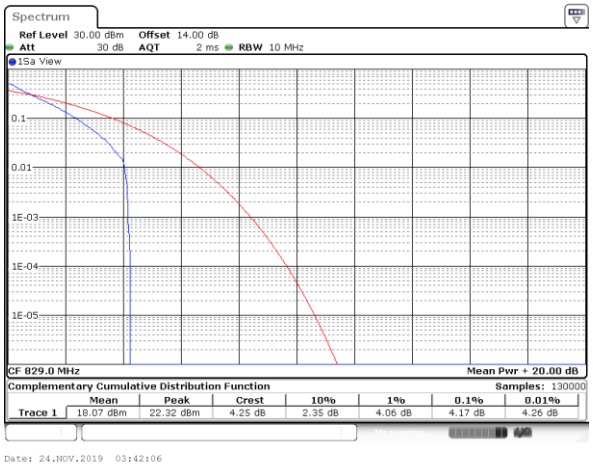
LTE Band 5

Peak-to-Average Ratio

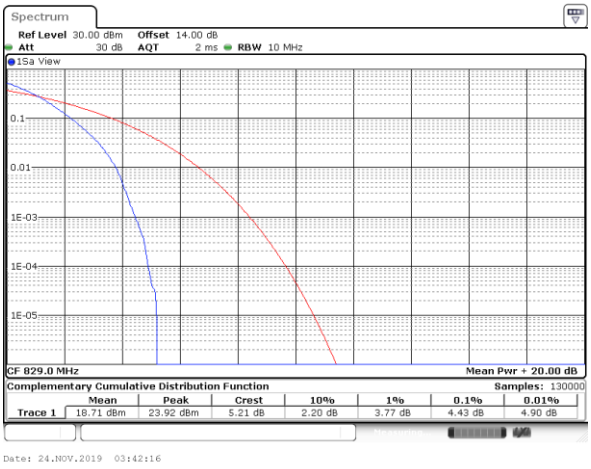
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.17	4.43	4.9	5.36	PASS
Middle CH	4	4.84	4.67	5.65	
Highest CH	4.17	4.41	5.1	5.3	

LTE Band 5 / 10MHz / QPSK

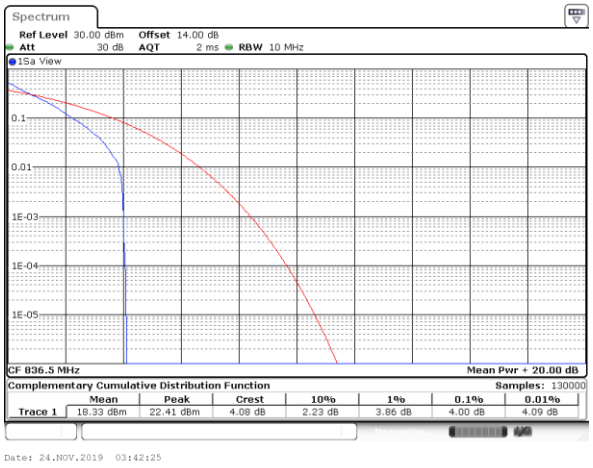
Lowest Channel / 1RB



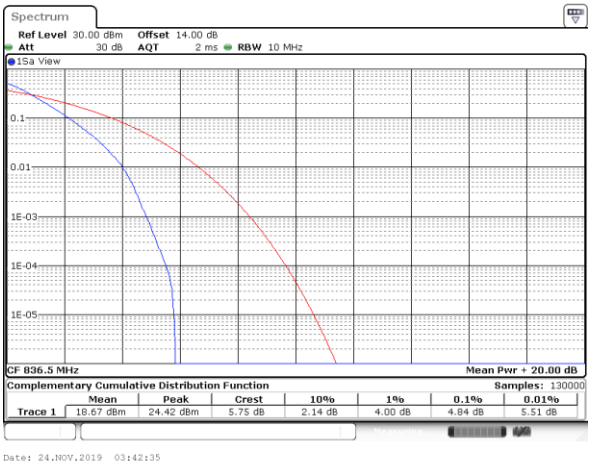
Lowest Channel / Full RB



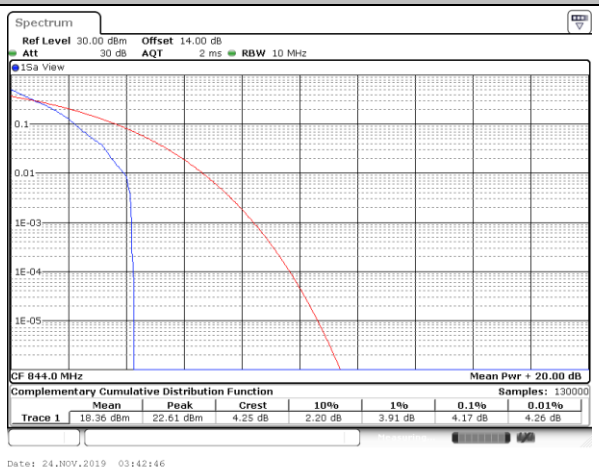
Middle Channel / 1RB



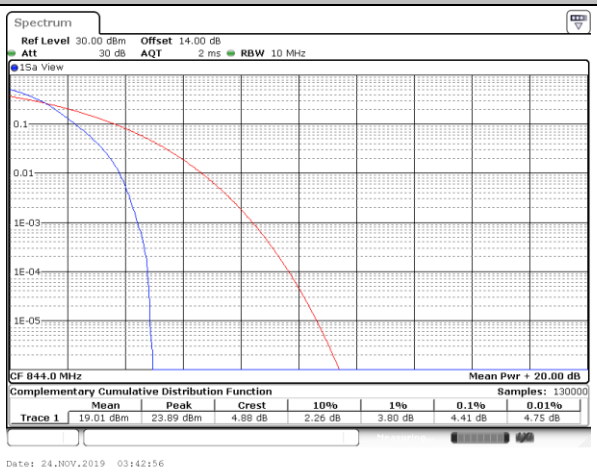
Middle Channel / Full RB



Highest Channel / 1RB

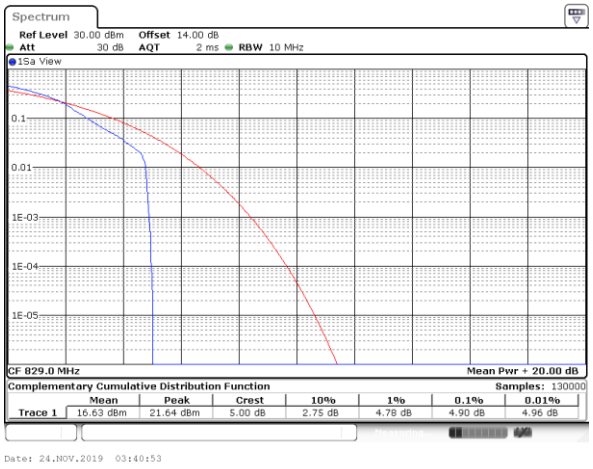


Highest Channel / Full RB

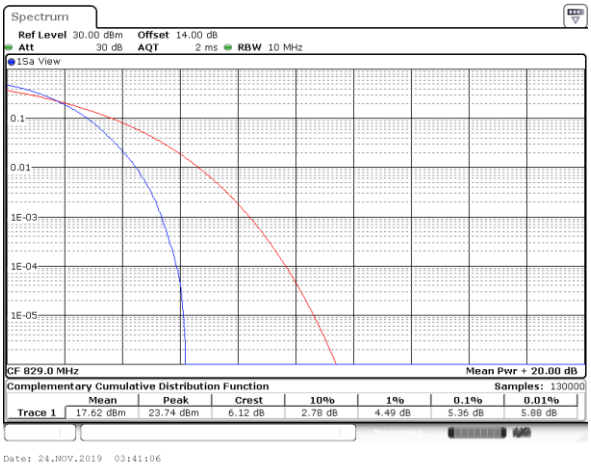


LTE Band 5 / 10MHz / 16QAM

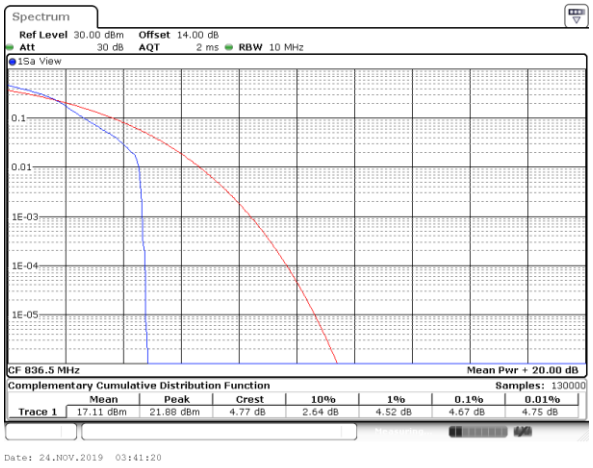
Lowest Channel / 1RB



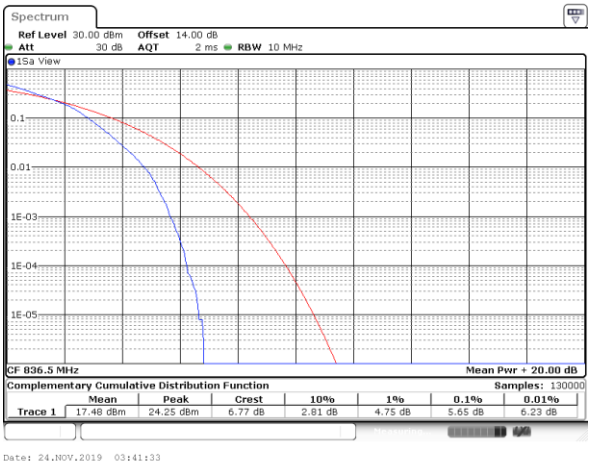
Lowest Channel / Full RB



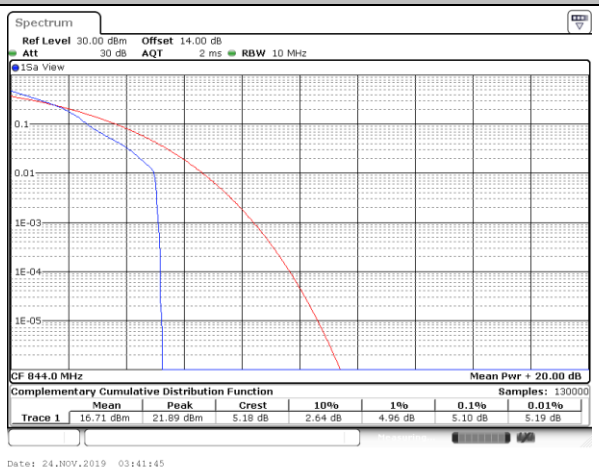
Middle Channel / 1RB



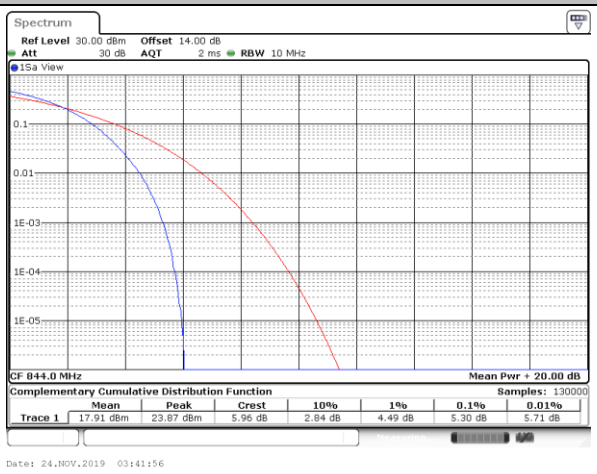
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

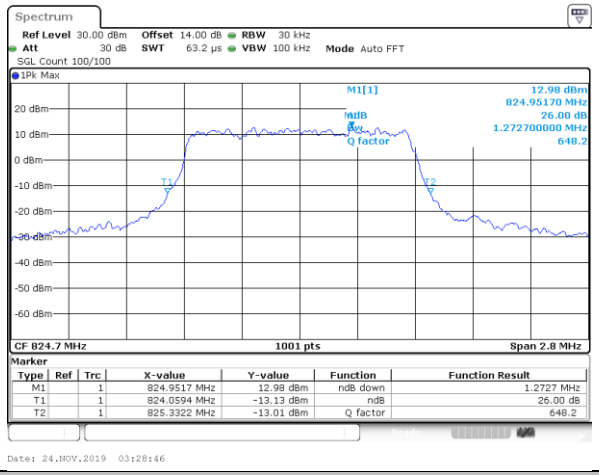


26dB Bandwidth

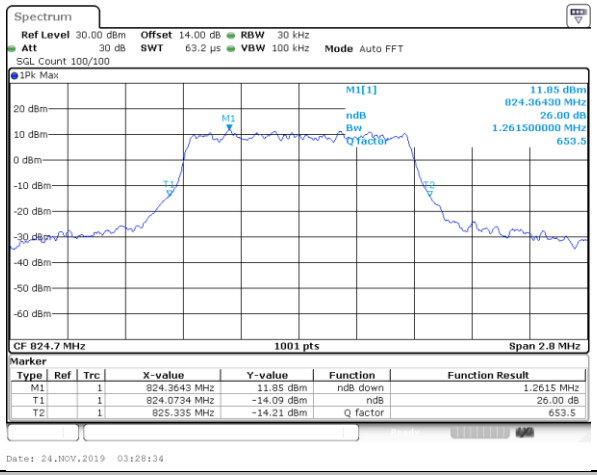
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.273	1.262	2.997	2.979	4.975	4.855	9.73	9.65	-	-	-	-
Middle CH	1.301	1.312	3.015	3.015	4.975	4.965	9.67	9.73	-	-	-	-
Highest CH	1.29	1.304	2.997	2.997	4.955	4.895	9.87	9.65	-	-	-	-

LTE Band 5

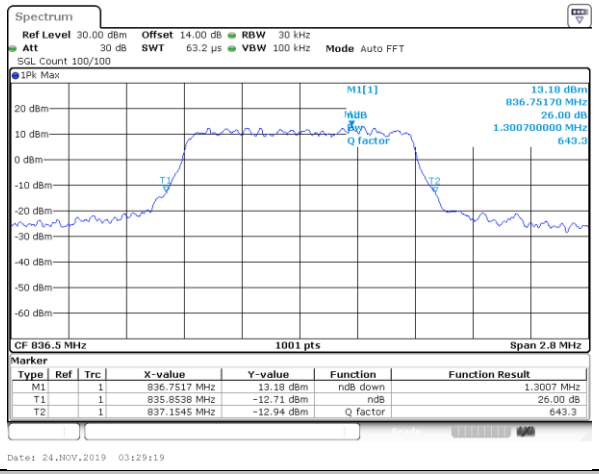
Lowest Channel / 1.4MHz / QPSK



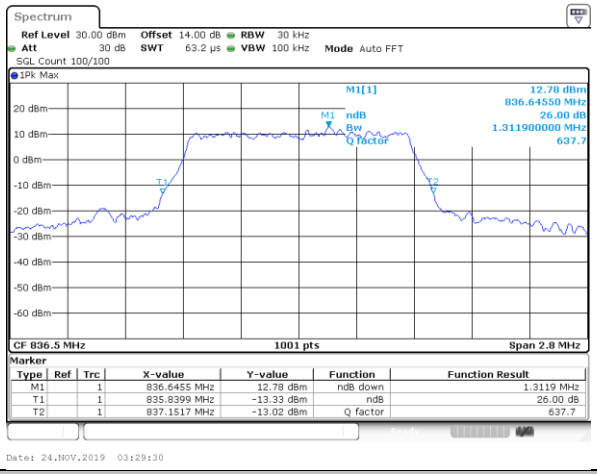
Lowest Channel / 1.4MHz / 16QAM



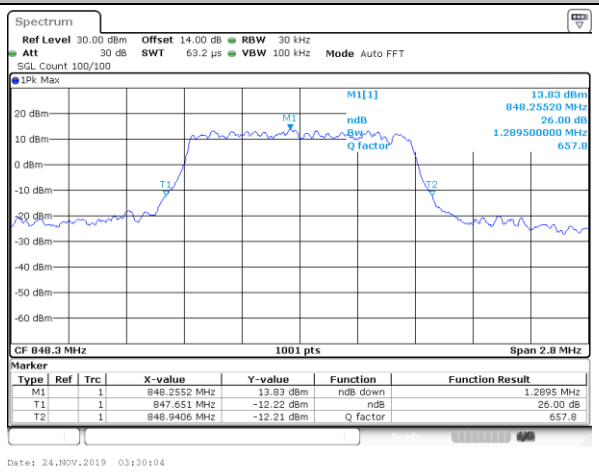
Middle Channel / 1.4MHz / QPSK



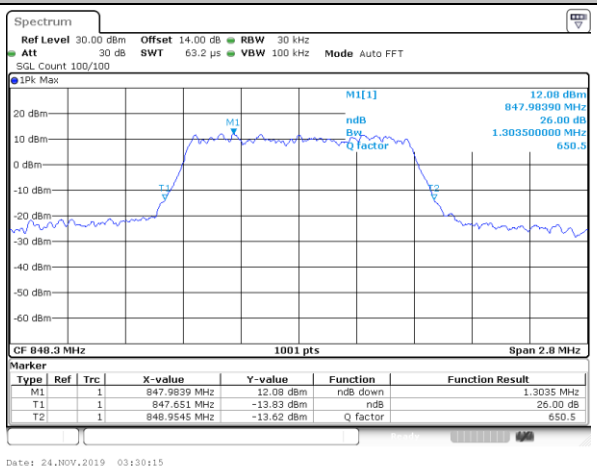
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

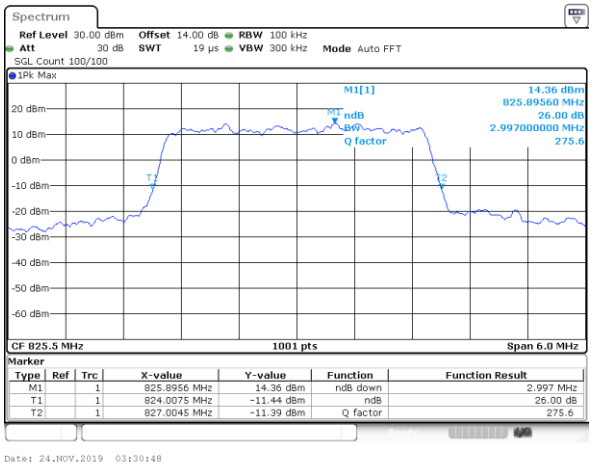


Highest Channel / 1.4MHz / 16QAM

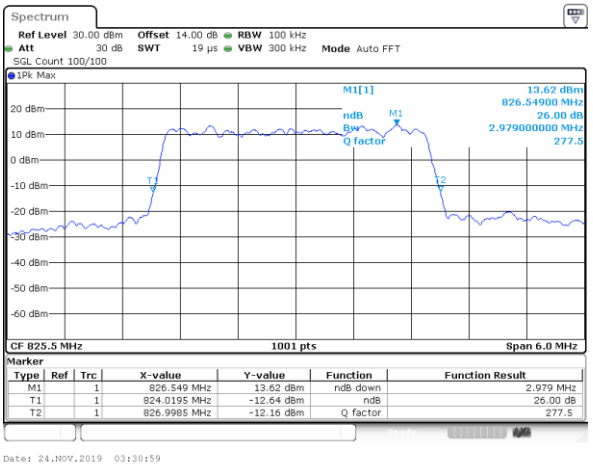


LTE Band 5

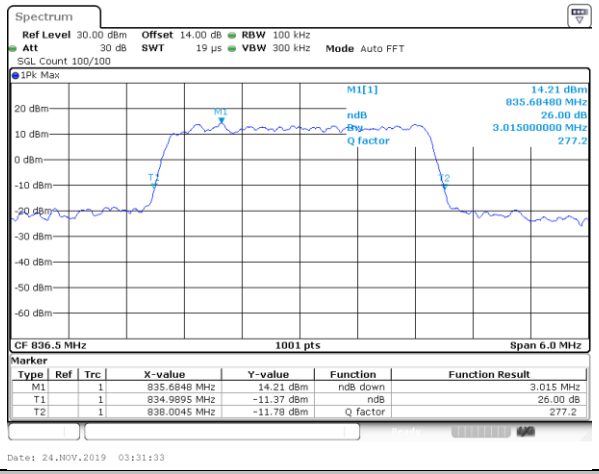
Lowest Channel / 3MHz / QPSK



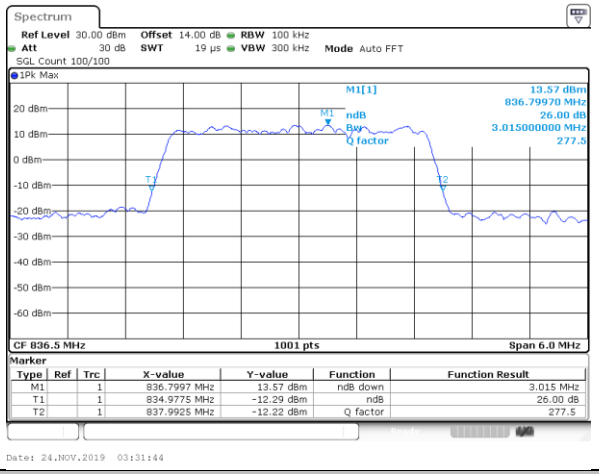
Lowest Channel / 3MHz / 16QAM



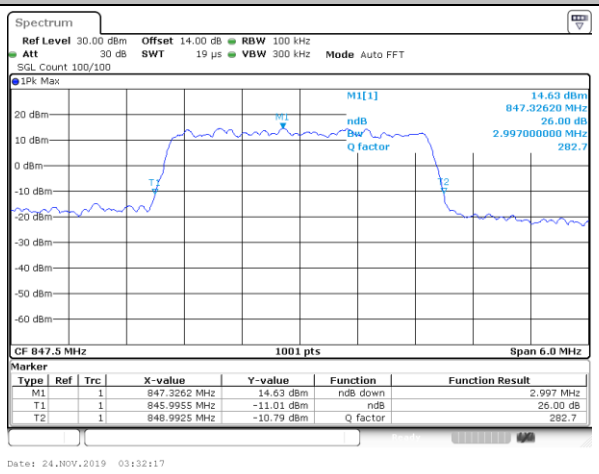
Middle Channel / 3MHz / QPSK



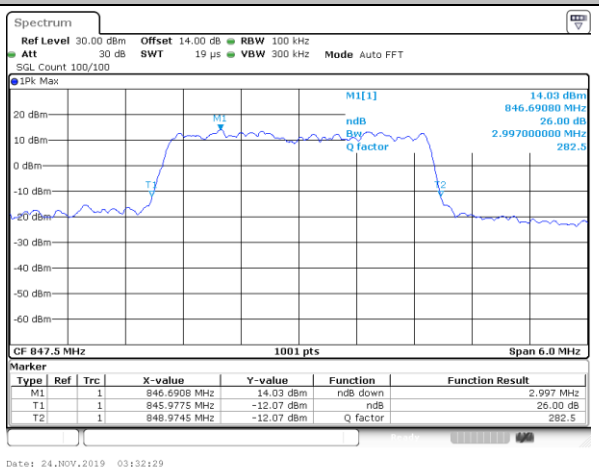
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

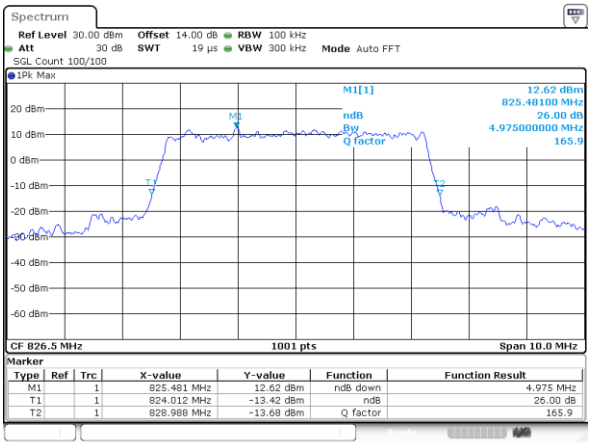


Highest Channel / 3MHz / 16QAM

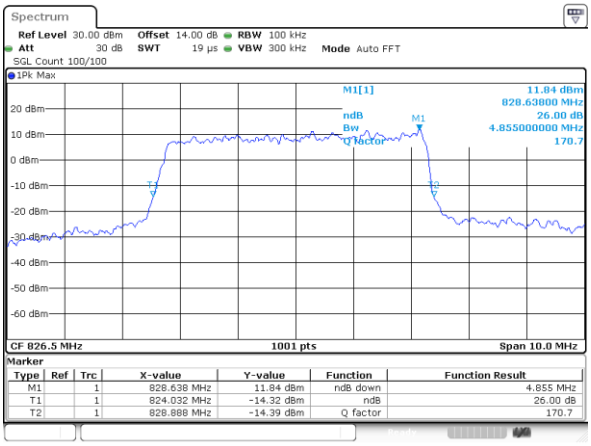


LTE Band 5

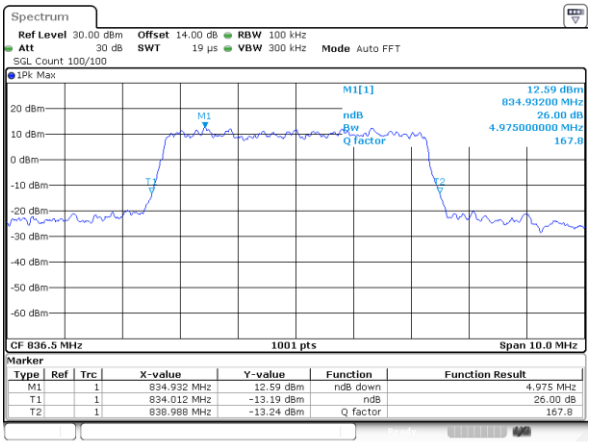
Lowest Channel / 5MHz / QPSK



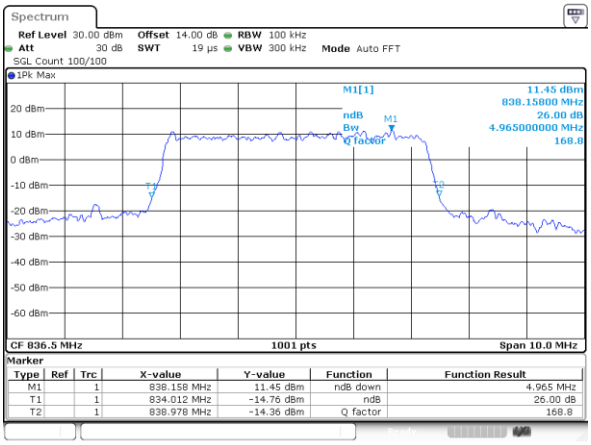
Lowest Channel / 5MHz / 16QAM



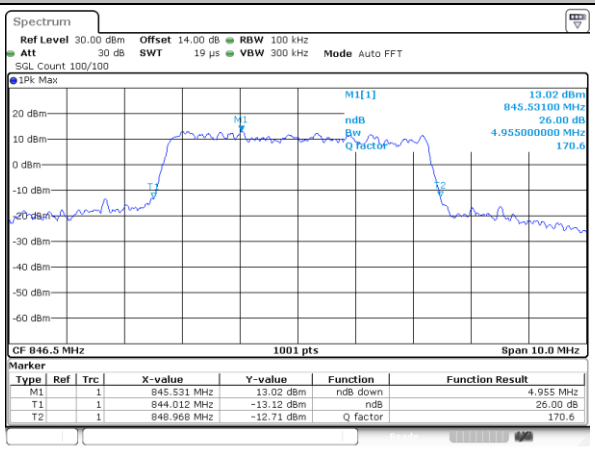
Middle Channel / 5MHz / QPSK



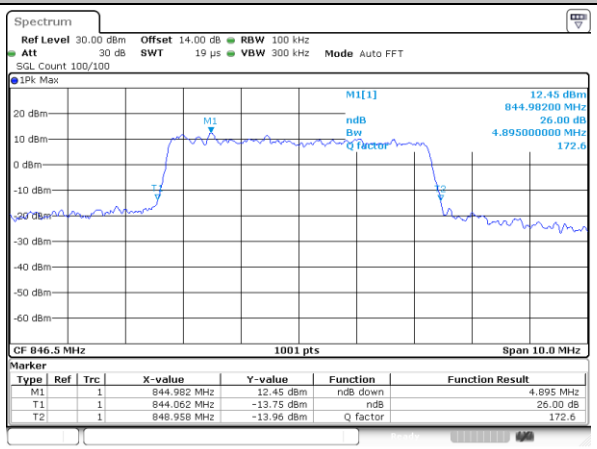
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

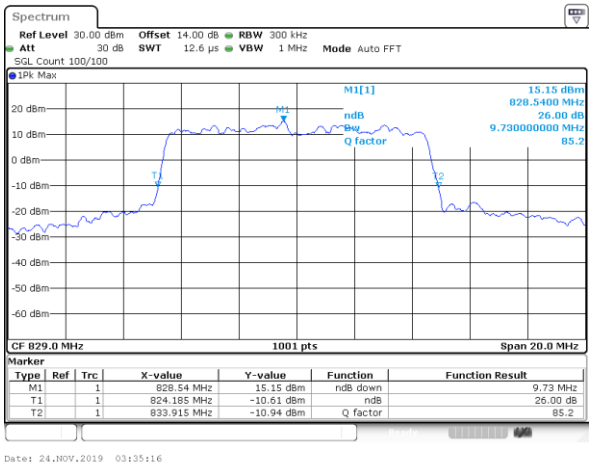


Highest Channel / 5MHz / 16QAM

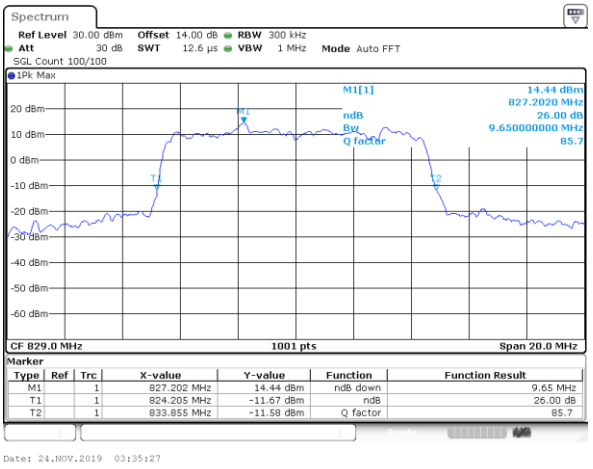


LTE Band 5

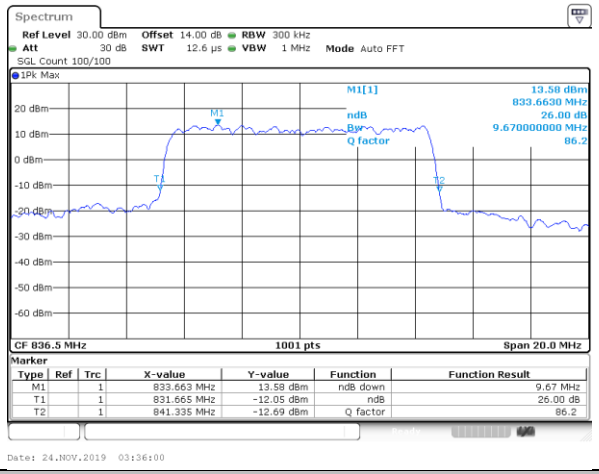
Lowest Channel / 10MHz / QPSK



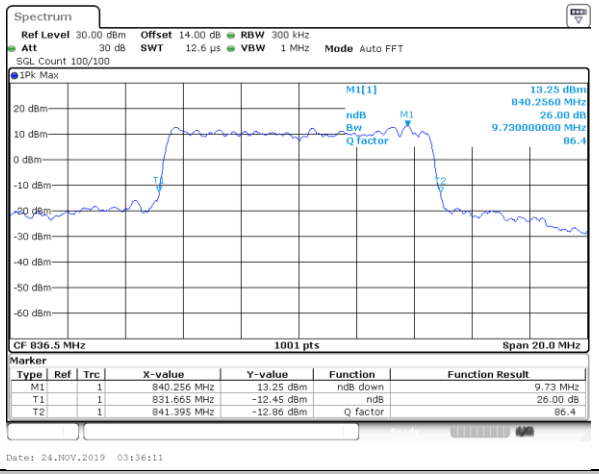
Lowest Channel / 10MHz / 16QAM



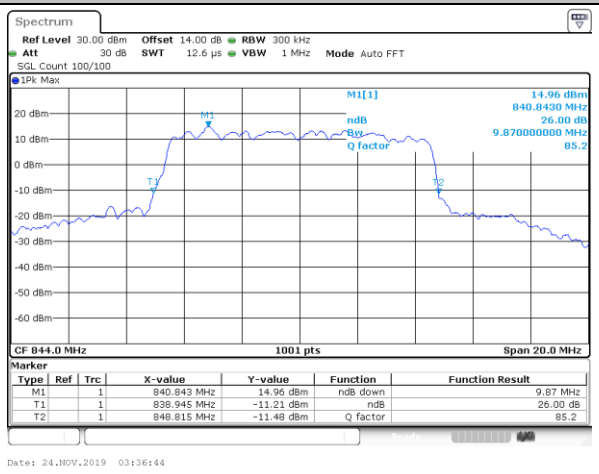
Middle Channel / 10MHz / QPSK



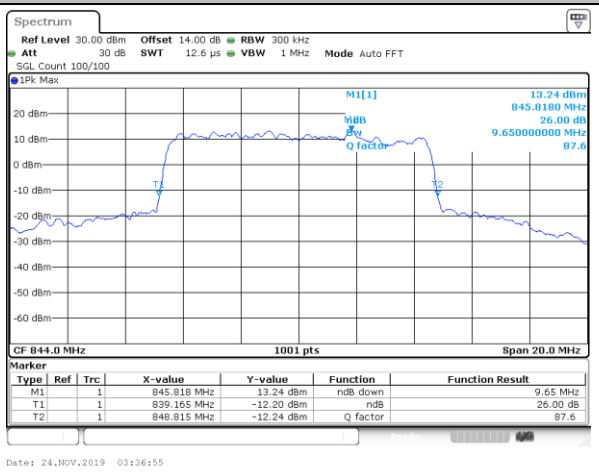
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

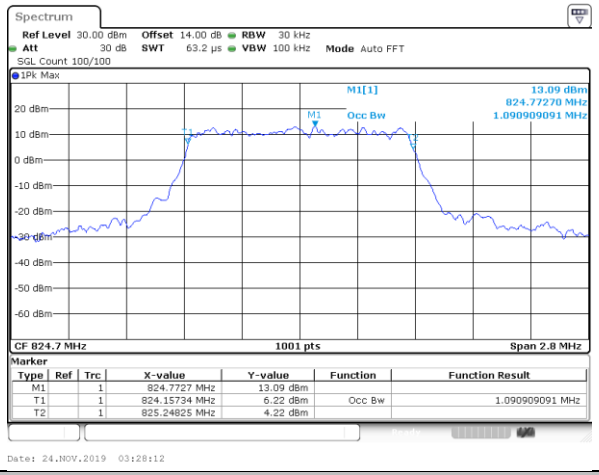


Occupied Bandwidth

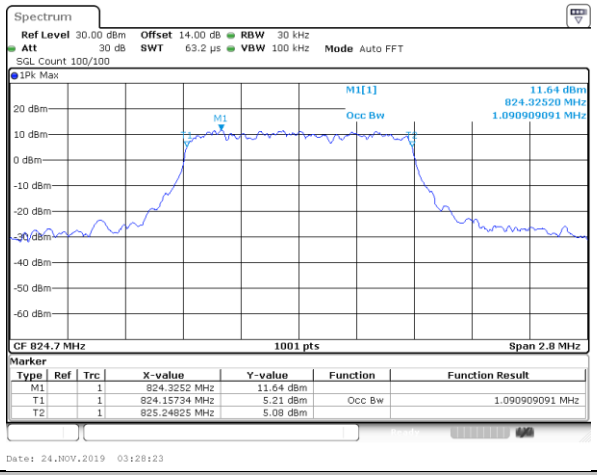
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.73	4.46	4.49	8.99	8.95	-	-	-	-
Middle CH	1.1	1.09	2.72	2.72	4.49	4.51	9.07	9.01	-	-	-	-
Highest CH	1.1	1.09	2.71	2.72	4.48	4.53	8.97	8.95	-	-	-	-

LTE Band 5

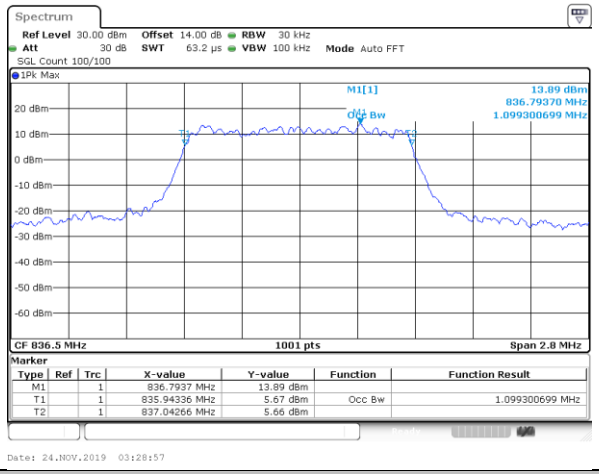
Lowest Channel / 1.4MHz / QPSK



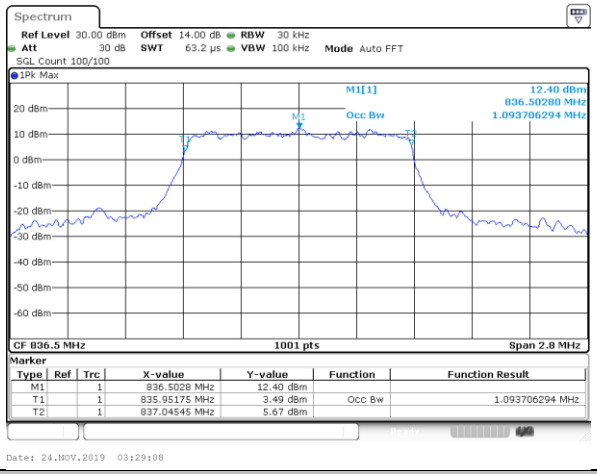
Lowest Channel / 1.4MHz / 16QAM



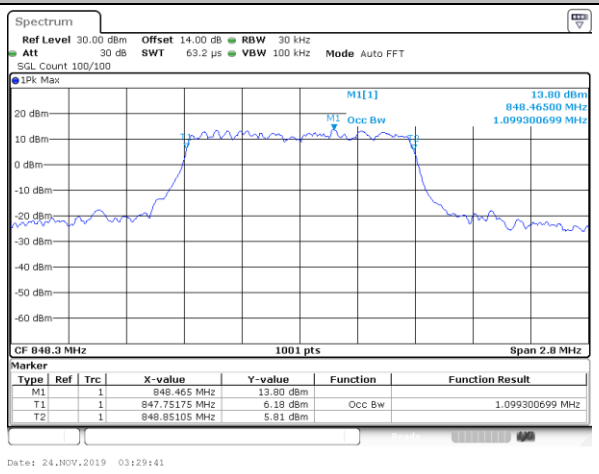
Middle Channel / 1.4MHz / QPSK



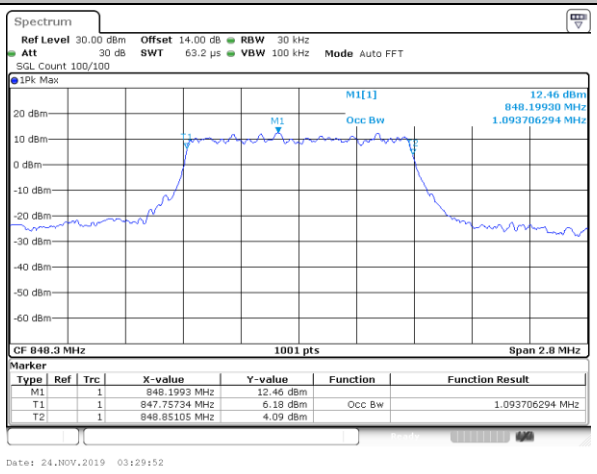
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

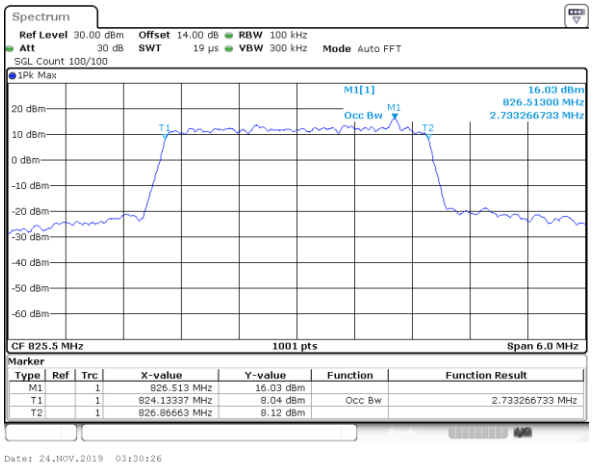


Highest Channel / 1.4MHz / 16QAM

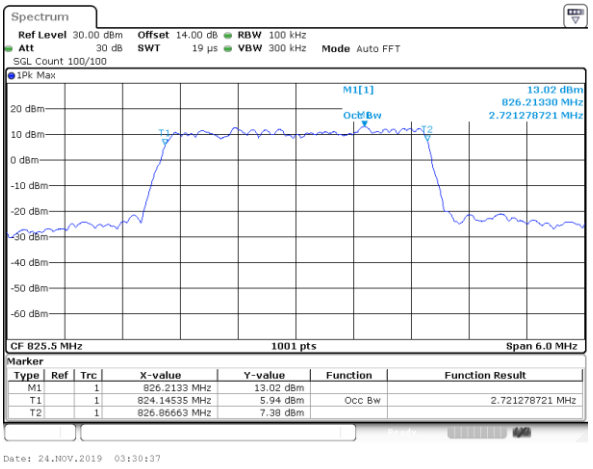


LTE Band 5

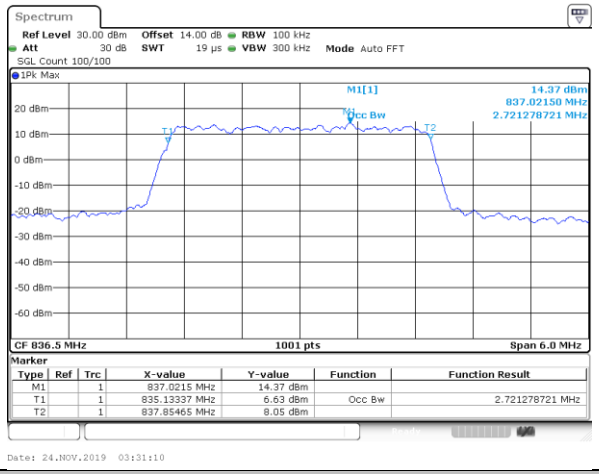
Lowest Channel / 3MHz / QPSK



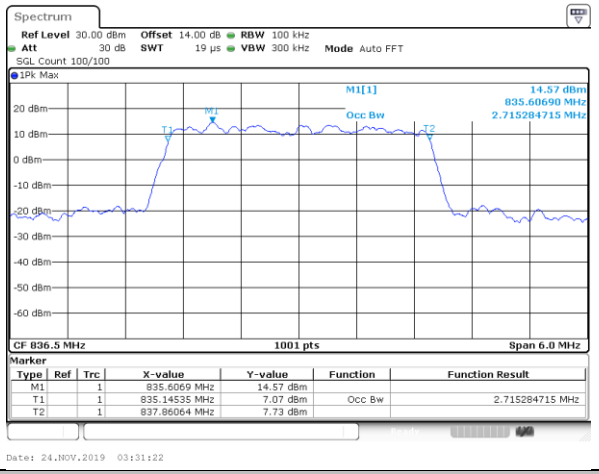
Lowest Channel / 3MHz / 16QAM



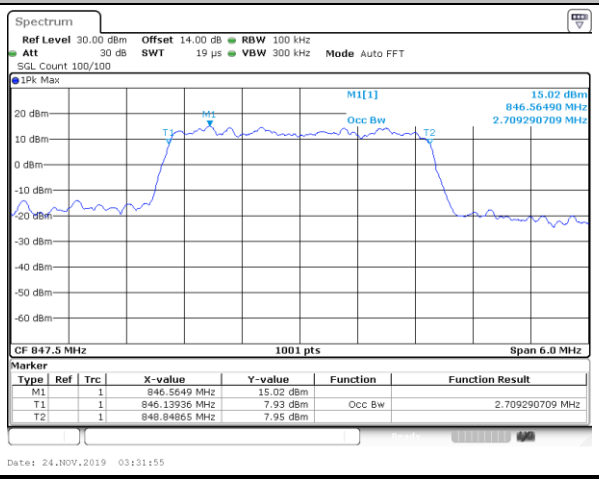
Middle Channel / 3MHz / QPSK



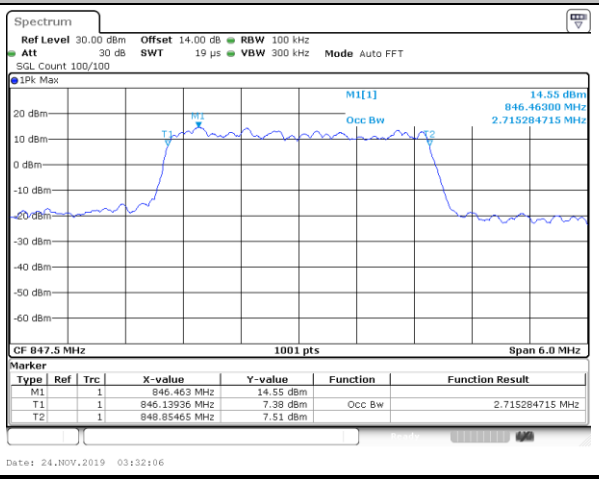
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

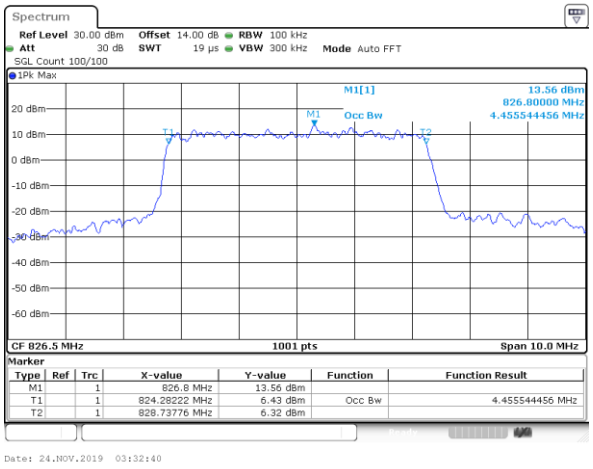


Highest Channel / 3MHz / 16QAM

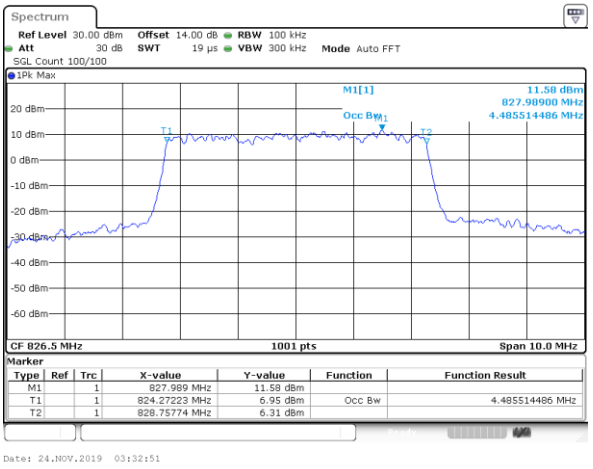


LTE Band 5

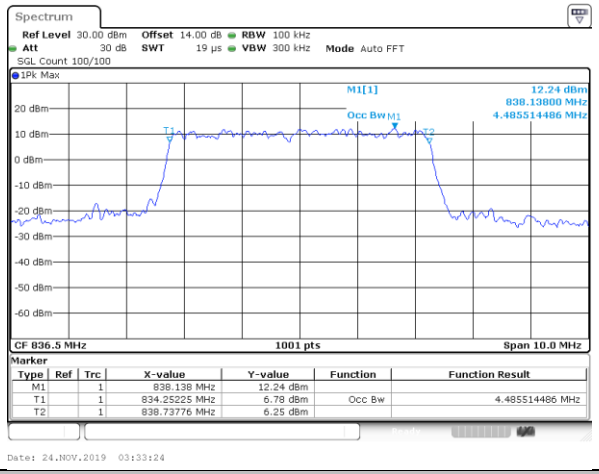
Lowest Channel / 5MHz / QPSK



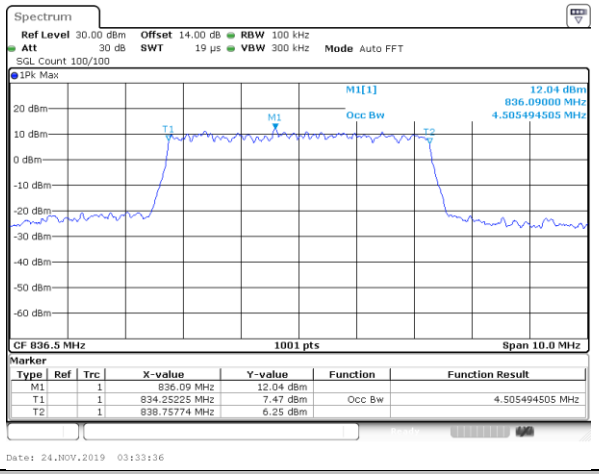
Lowest Channel / 5MHz / 16QAM



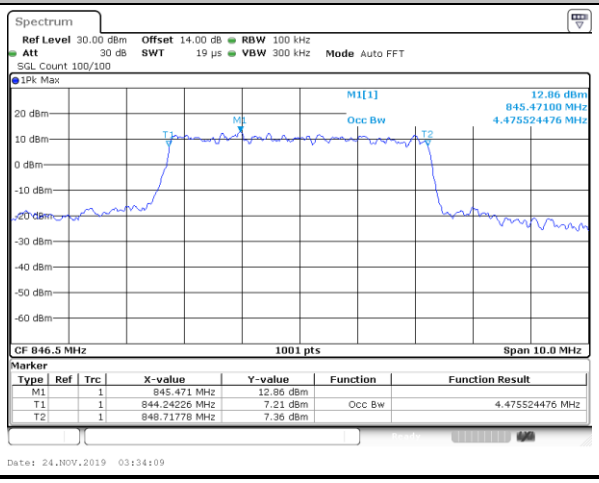
Middle Channel / 5MHz / QPSK



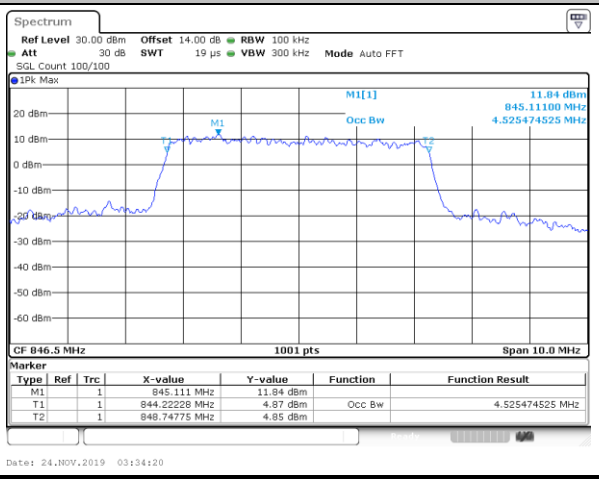
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

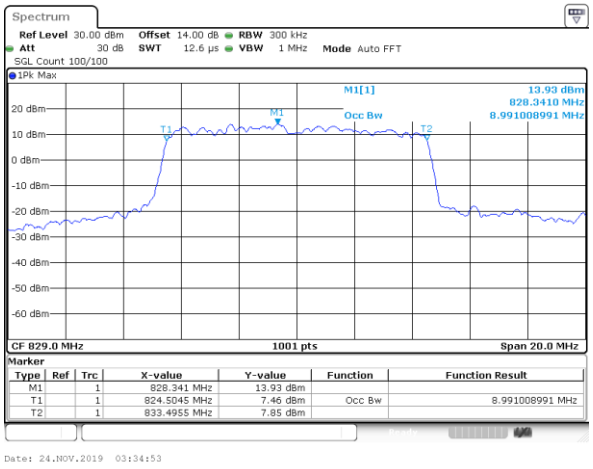


Highest Channel / 5MHz / 16QAM

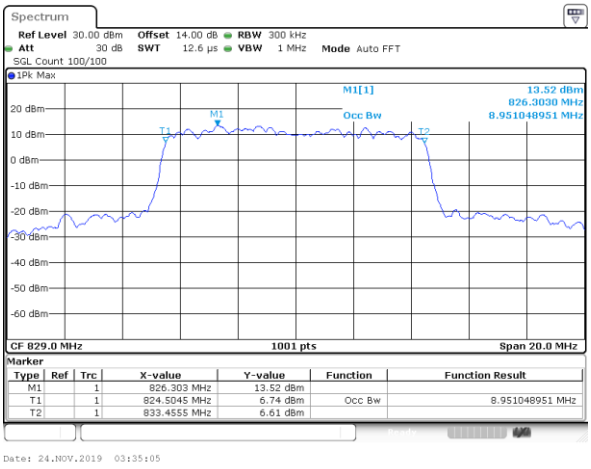


LTE Band 5

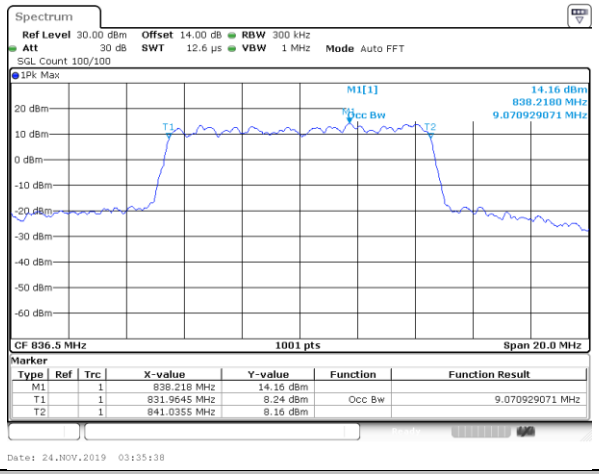
Lowest Channel / 10MHz / QPSK



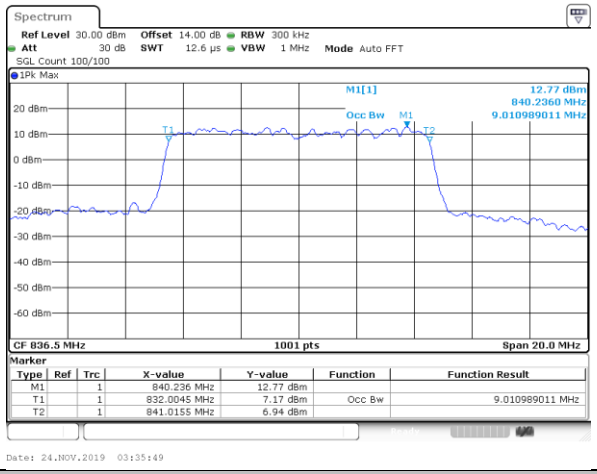
Lowest Channel / 10MHz / 16QAM



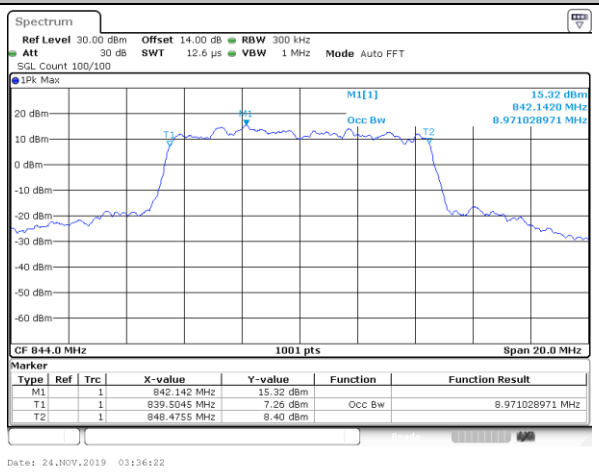
Middle Channel / 10MHz / QPSK



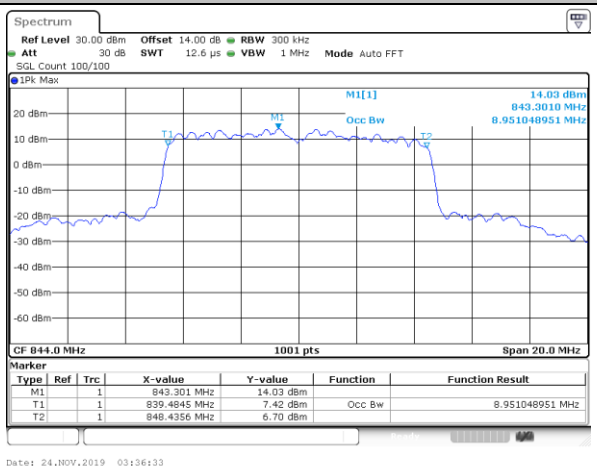
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



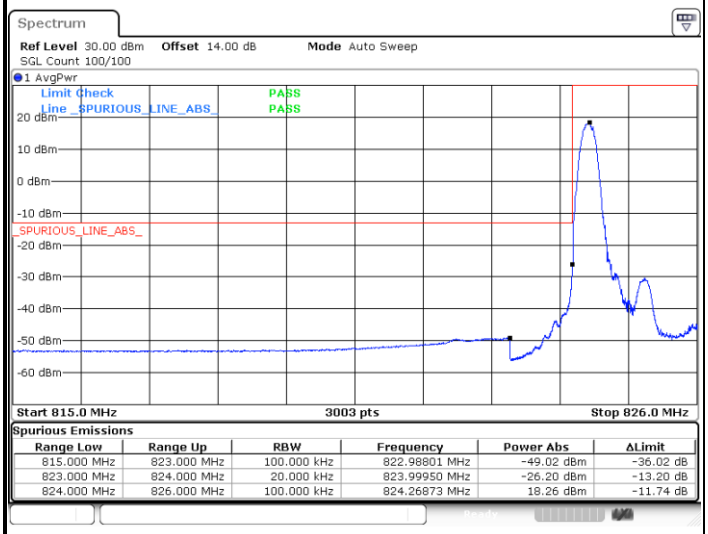
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

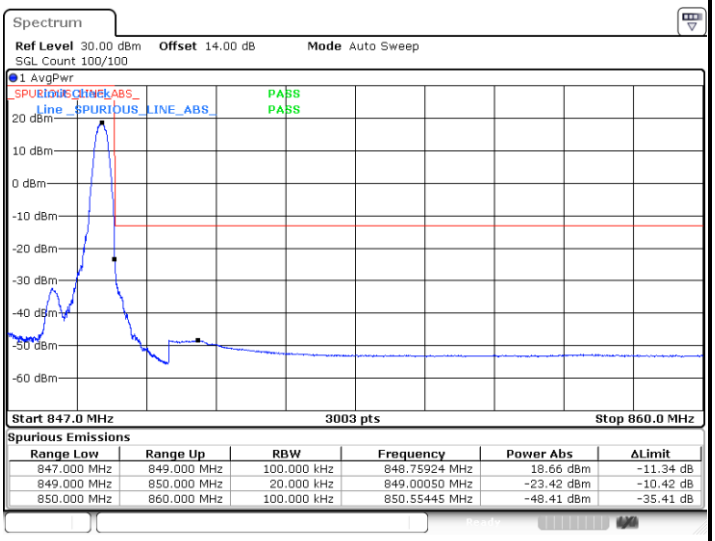


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-49.02 dBm	-36.02 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-26.20 dBm	-13.20 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.26873 MHz	18.26 dBm	-11.74 dB

Date: 24.NOV.2019 04:38:33

Highest Band Edge / 1RB

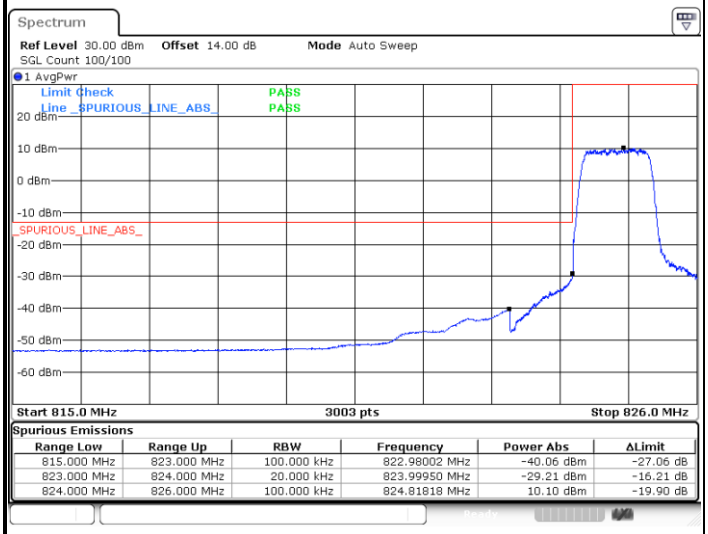


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75924 MHz	18.66 dBm	-11.34 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-23.42 dBm	-10.42 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.55445 MHz	-48.41 dBm	-35.41 dB

Date: 24.NOV.2019 04:59:16

Lowest Band Edge / Full RB

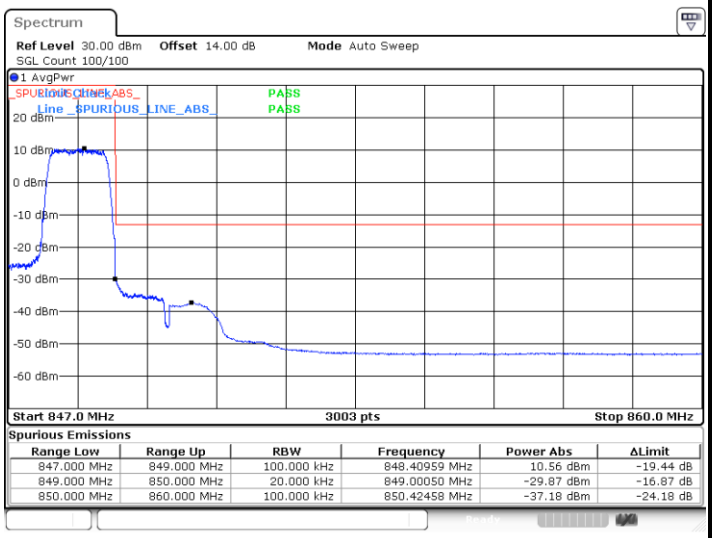


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-40.06 dBm	-27.06 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-29.21 dBm	-16.21 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.81818 MHz	10.10 dBm	-19.90 dB

Date: 24.NOV.2019 04:41:53

Highest Band Edge / Full RB



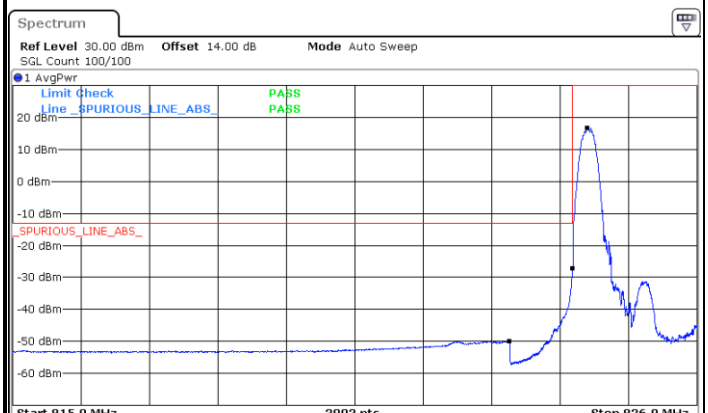
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.40959 MHz	10.56 dBm	-19.44 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-29.87 dBm	-16.87 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.42458 MHz	-37.18 dBm	-24.18 dB

Date: 27.NOV.2019 03:30:26

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

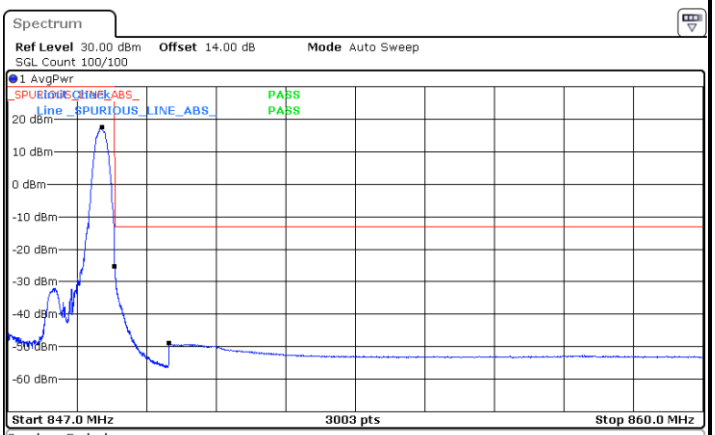


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-49.95 dBm	-36.95 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-27.11 dBm	-14.11 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.22877 MHz	16.76 dBm	-13.24 dB

Date: 24.NOV.2019 04:40:13

Highest Band Edge / 1 RB

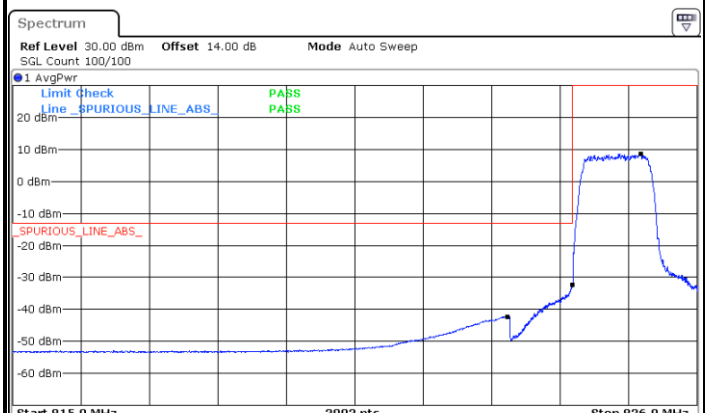


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75524 MHz	17.57 dBm	-12.43 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-25.35 dBm	-12.35 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-48.97 dBm	-35.97 dB

Date: 24.NOV.2019 04:53:58

Lowest Band Edge / Full RB

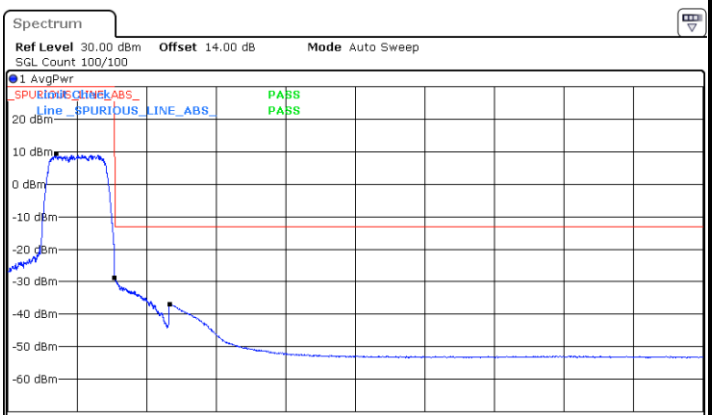


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-42.30 dBm	-29.30 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-32.28 dBm	-19.28 dB
824.000 MHz	826.000 MHz	100.000 kHz	825.09391 MHz	8.68 dBm	-21.32 dB

Date: 24.NOV.2019 04:43:33

Highest Band Edge / Full RB



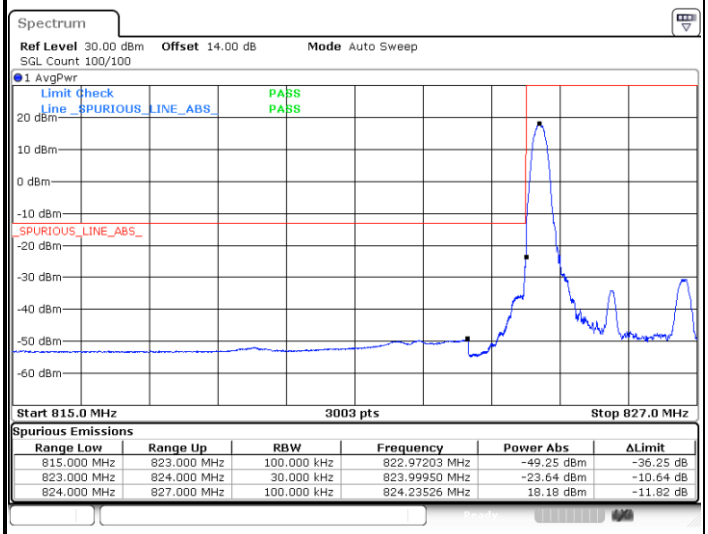
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	847.90410 MHz	9.31 dBm	-20.69 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-28.89 dBm	-15.89 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-36.81 dBm	-23.81 dB

Date: 24.NOV.2019 04:49:59

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

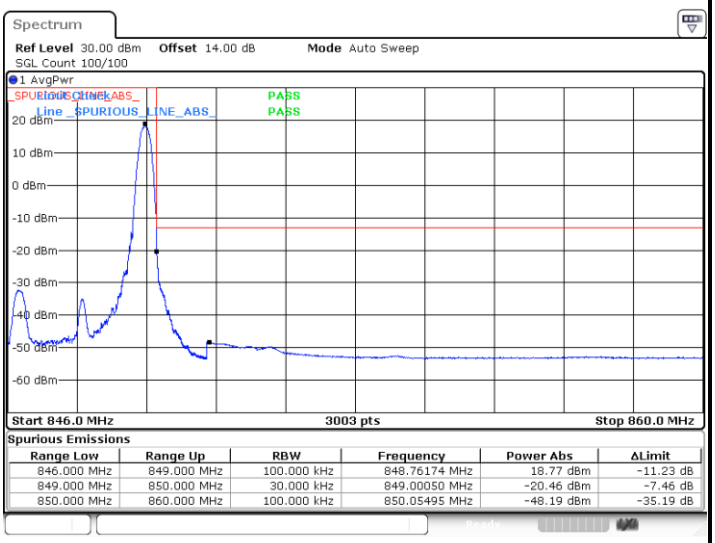


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-49.25 dBm	-36.25 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-23.64 dBm	-10.64 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.23526 MHz	18.18 dBm	-11.82 dB

Date: 24.NOV.2019 03:45:39

Highest Band Edge / 1 RB

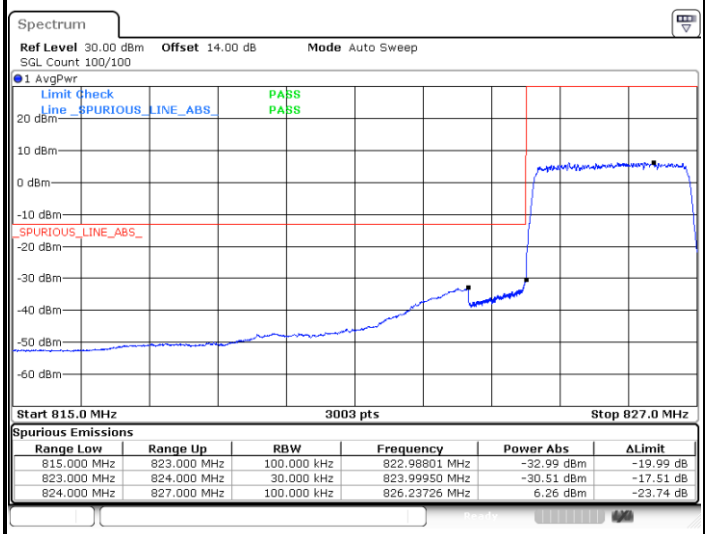


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.76174 MHz	18.77 dBm	-11.23 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-20.46 dBm	-7.46 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-48.19 dBm	-35.19 dB

Date: 24.NOV.2019 03:52:21

Lowest Band Edge / Full RB

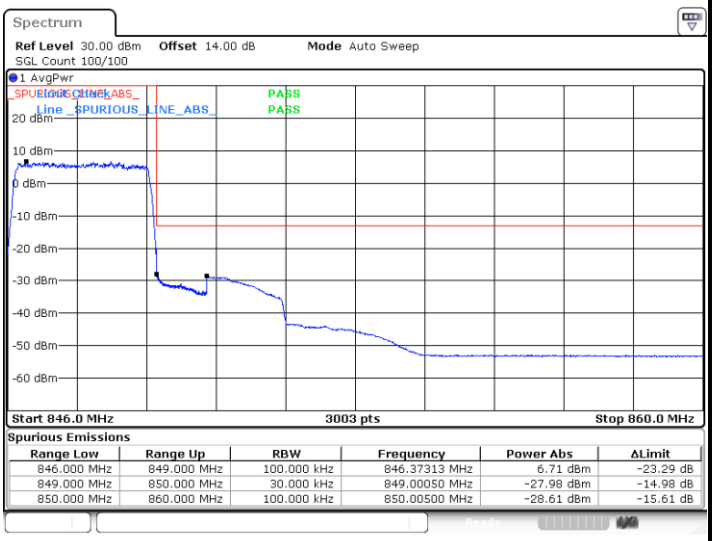


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-32.99 dBm	-19.99 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-30.51 dBm	-17.51 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.23726 MHz	6.26 dBm	-23.74 dB

Date: 24.NOV.2019 03:49:00

Highest Band Edge / Full RB



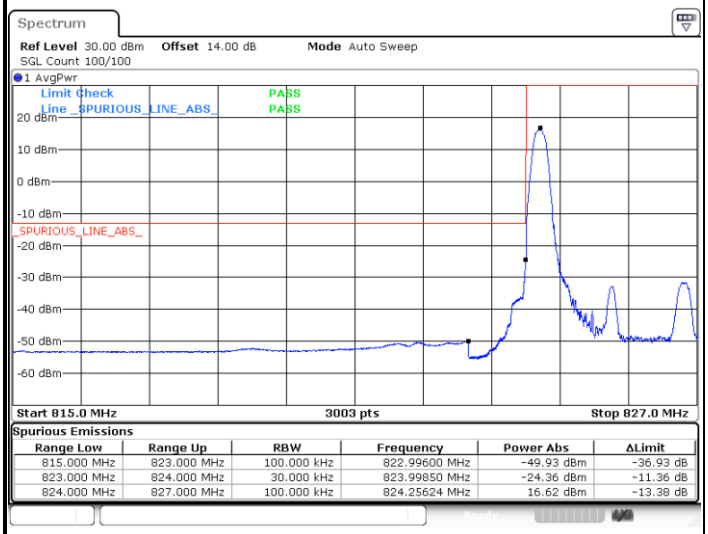
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.37313 MHz	6.71 dBm	-23.29 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-27.98 dBm	-14.98 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-28.61 dBm	-15.61 dB

Date: 24.NOV.2019 03:55:42

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

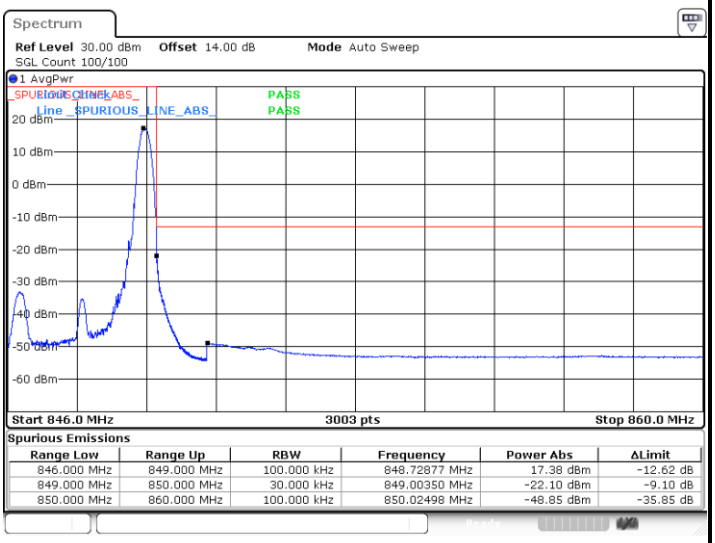


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-49.93 dBm	-36.93 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99850 MHz	-24.36 dBm	-11.36 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.25624 MHz	16.62 dBm	-13.38 dB

Date: 24.NOV.2019 03:47:19

Highest Band Edge /1 RB

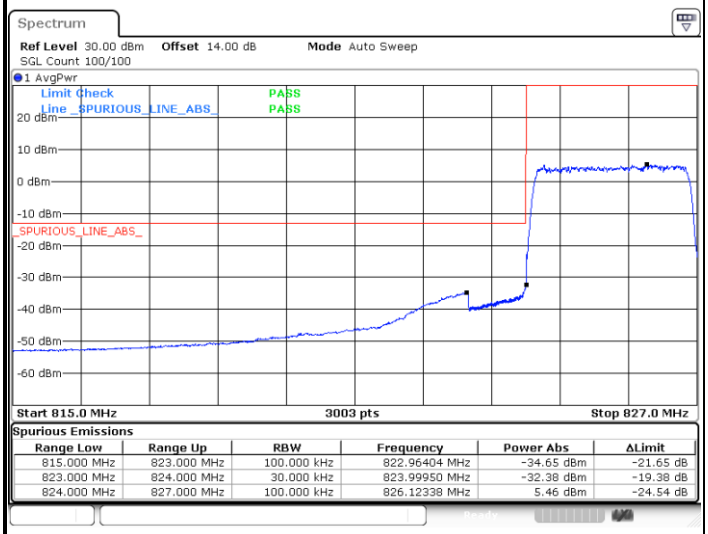


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.72877 MHz	17.38 dBm	-12.62 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00350 MHz	-22.10 dBm	-9.10 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-48.85 dBm	-35.85 dB

Date: 24.NOV.2019 03:54:02

Lowest Band Edge / Full RB

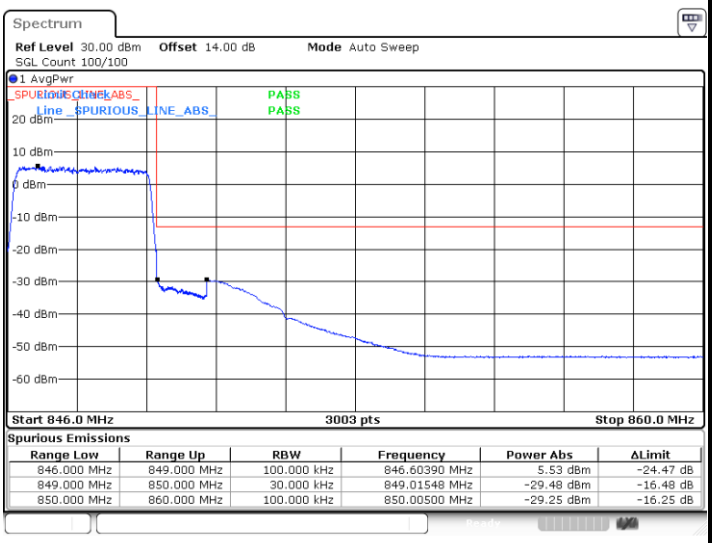


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-34.65 dBm	-21.65 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-32.38 dBm	-19.38 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.12338 MHz	5.46 dBm	-24.54 dB

Date: 24.NOV.2019 03:50:40

Highest Band Edge / Full RB



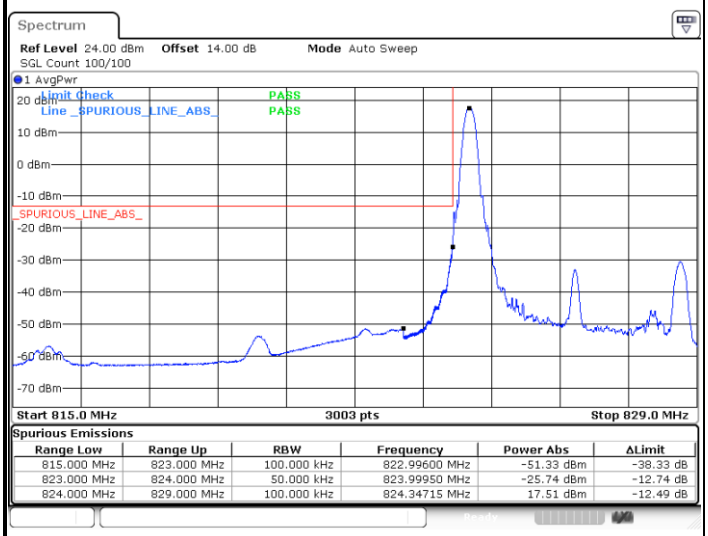
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.60390 MHz	5.53 dBm	-24.47 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.01548 MHz	-29.48 dBm	-16.48 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-29.25 dBm	-16.25 dB

Date: 24.NOV.2019 03:57:23

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

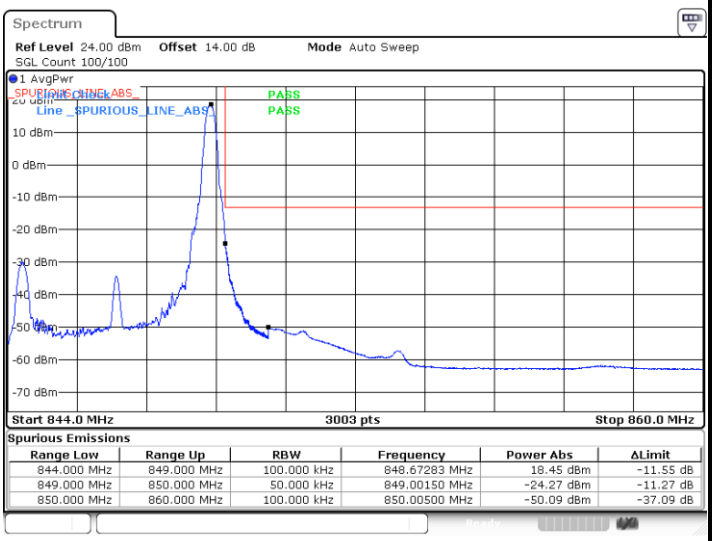


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-51.33 dBm	-38.33 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-25.74 dBm	-12.74 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.34715 MHz	17.51 dBm	-12.49 dB

Date: 24.NOV.2019 03:59:04

Highest Band Edge / 1 RB

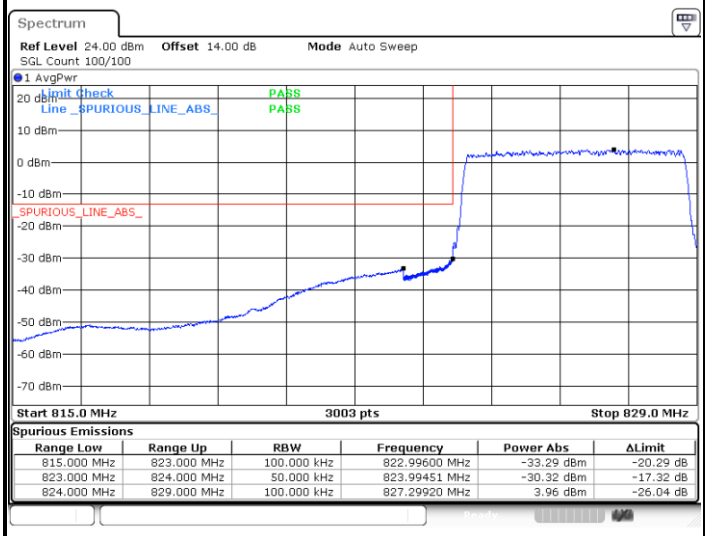


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.67283 MHz	18.45 dBm	-11.55 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00150 MHz	-24.27 dBm	-11.27 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-50.09 dBm	-37.09 dB

Date: 24.NOV.2019 04:05:47

Lowest Band Edge / Full RB

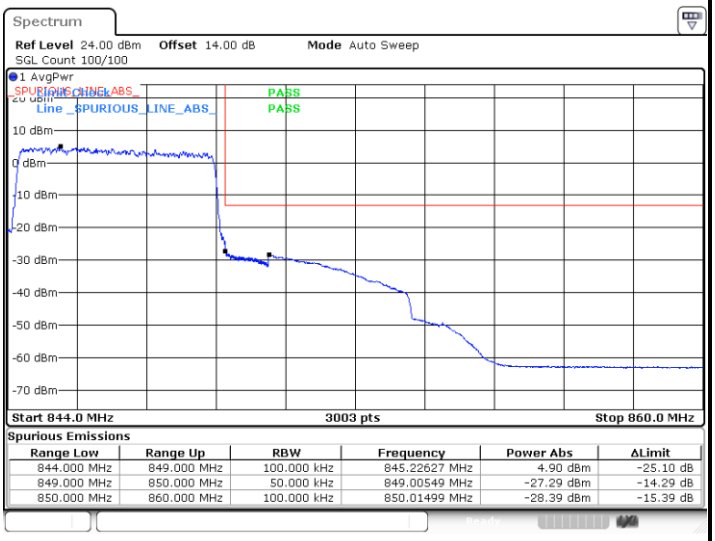


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-33.29 dBm	-20.29 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99451 MHz	-30.32 dBm	-17.32 dB
824.000 MHz	829.000 MHz	100.000 kHz	827.29920 MHz	3.96 dBm	-26.04 dB

Date: 24.NOV.2019 04:02:25

Highest Band Edge / Full RB



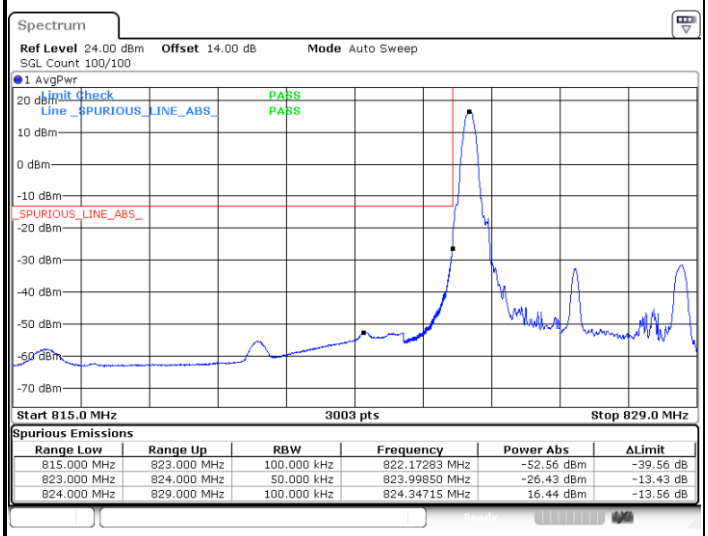
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.22627 MHz	4.90 dBm	-25.10 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00549 MHz	-27.29 dBm	-14.29 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-28.39 dBm	-15.39 dB

Date: 24.NOV.2019 04:09:08

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

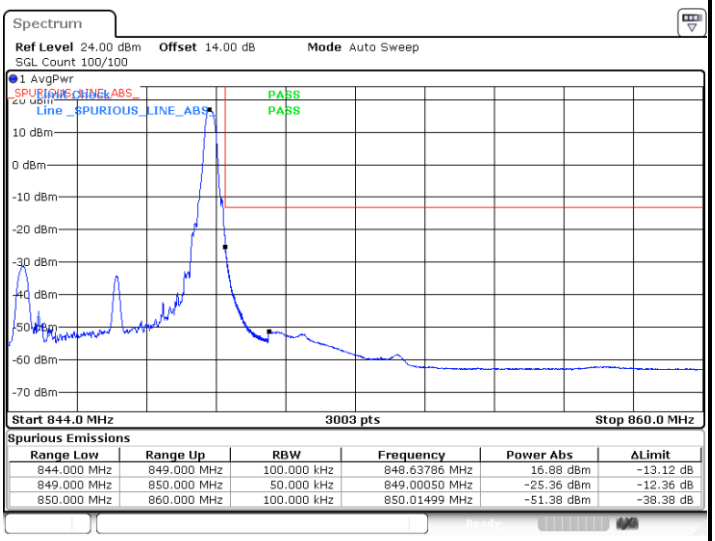


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.17283 MHz	-52.56 dBm	-39.56 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99850 MHz	-26.43 dBm	-13.43 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.34715 MHz	16.44 dBm	-13.56 dB

Date: 24.NOV.2019 04:00:45

Highest Band Edge / 1 RB

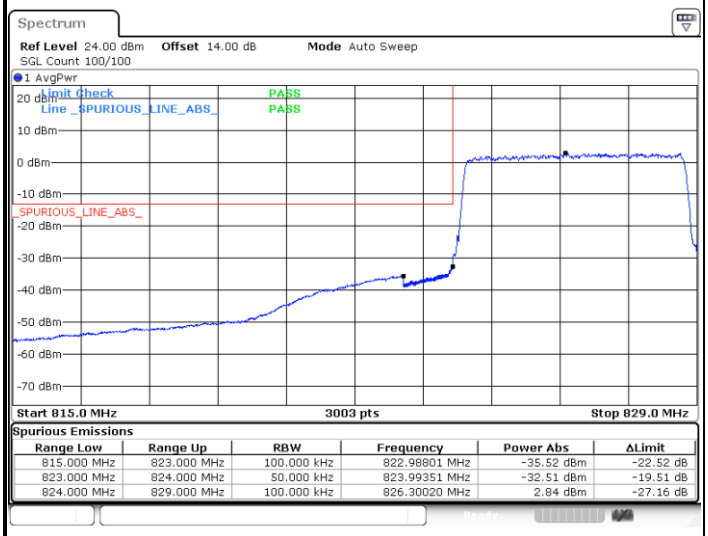


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.63786 MHz	16.88 dBm	-13.12 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-25.36 dBm	-12.36 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-51.38 dBm	-38.38 dB

Date: 24.NOV.2019 04:07:27

Lowest Band Edge / Full RB

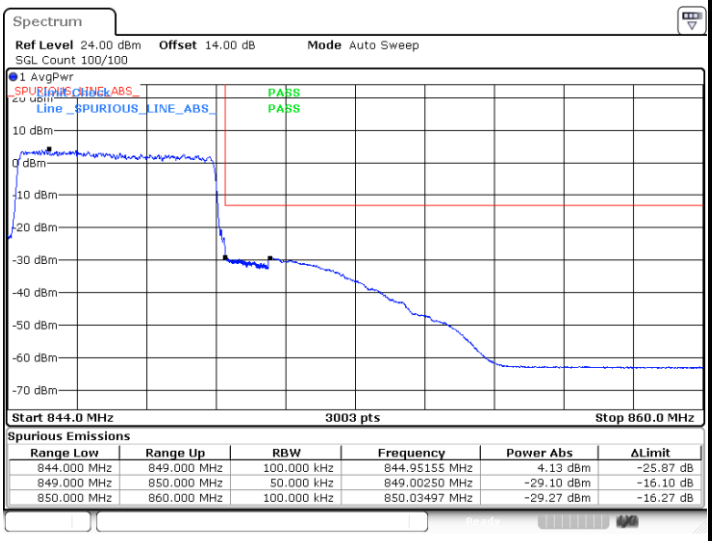


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-35.52 dBm	-22.52 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99351 MHz	-32.51 dBm	-19.51 dB
824.000 MHz	829.000 MHz	100.000 kHz	826.30020 MHz	2.84 dBm	-27.16 dB

Date: 24.NOV.2019 04:04:06

Highest Band Edge / Full RB



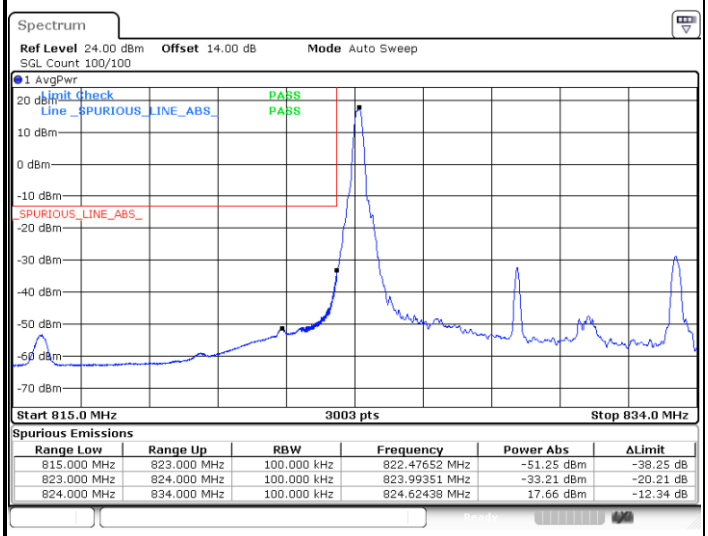
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.95155 MHz	4.13 dBm	-25.87 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00250 MHz	-29.10 dBm	-16.10 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-29.27 dBm	-16.27 dB

Date: 24.NOV.2019 04:10:48

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

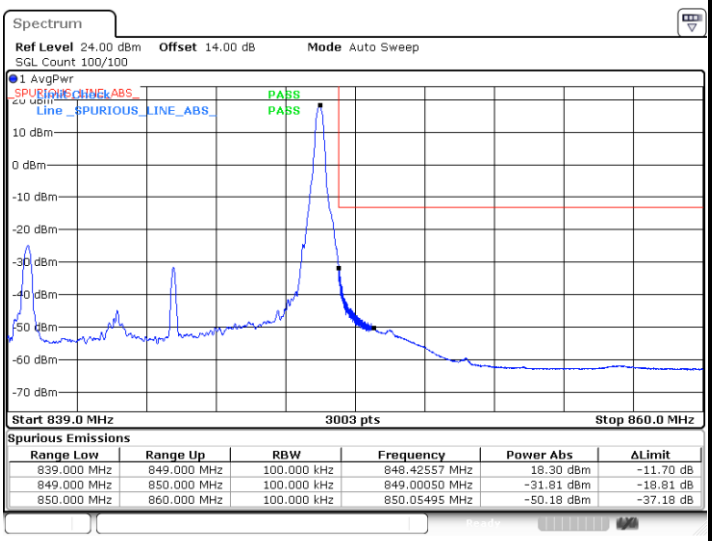


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.47652 MHz	-51.25 dBm	-38.25 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99351 MHz	-33.21 dBm	-20.21 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.62438 MHz	17.66 dBm	-12.34 dB

Date: 24.NOV.2019 04:12:29

Highest Band Edge / 1 RB

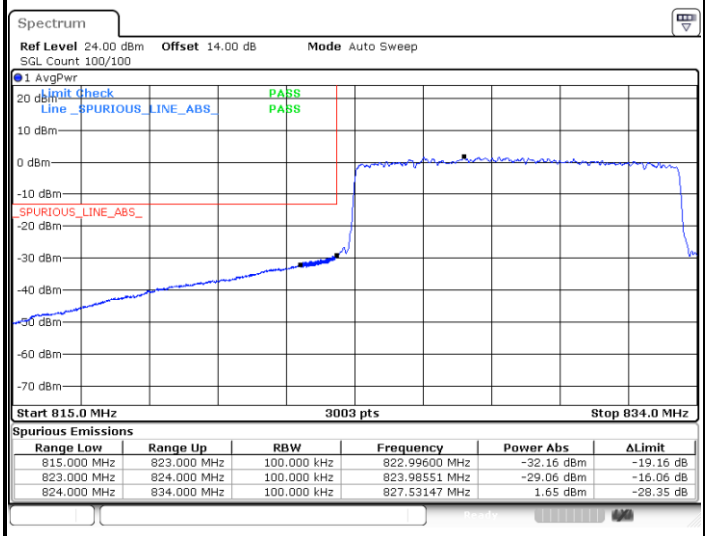


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.42557 MHz	18.30 dBm	-11.70 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00050 MHz	-31.81 dBm	-18.81 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-50.18 dBm	-37.18 dB

Date: 24.NOV.2019 04:19:12

Lowest Band Edge / Full RB

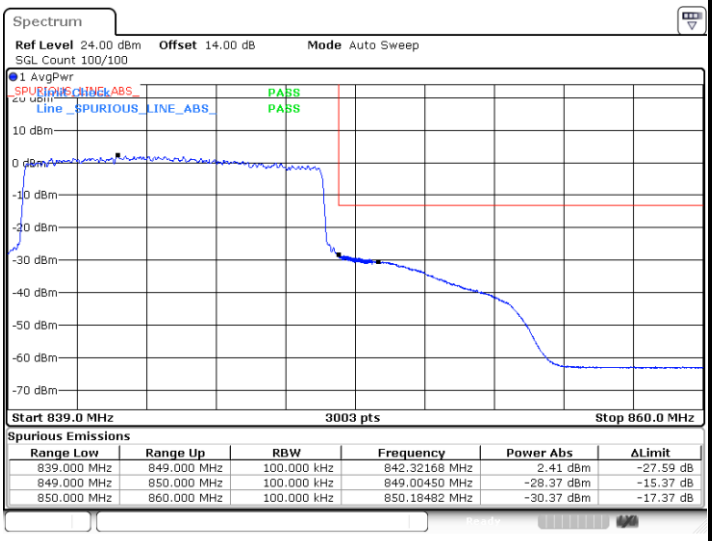


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-32.16 dBm	-19.16 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98551 MHz	-29.06 dBm	-16.06 dB
824.000 MHz	834.000 MHz	100.000 kHz	827.53147 MHz	1.65 dBm	-28.35 dB

Date: 24.NOV.2019 04:15:51

Highest Band Edge / Full RB



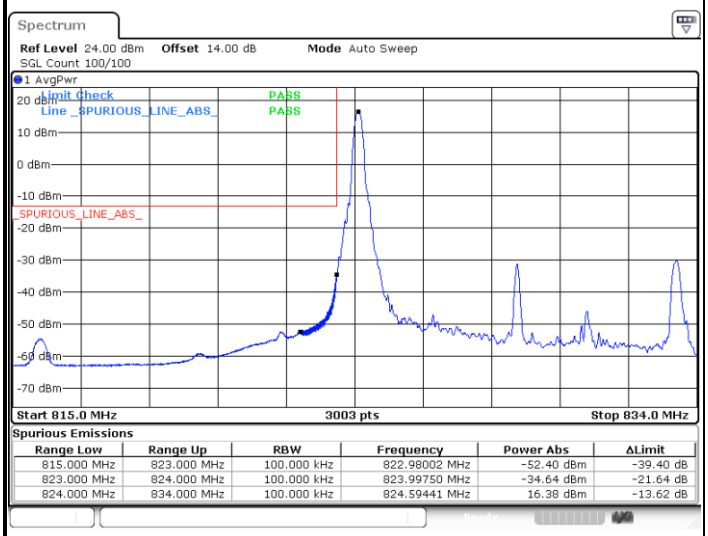
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	842.32168 MHz	2.41 dBm	-27.59 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00450 MHz	-28.37 dBm	-15.37 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.18482 MHz	-30.37 dBm	-17.37 dB

Date: 24.NOV.2019 04:22:33

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

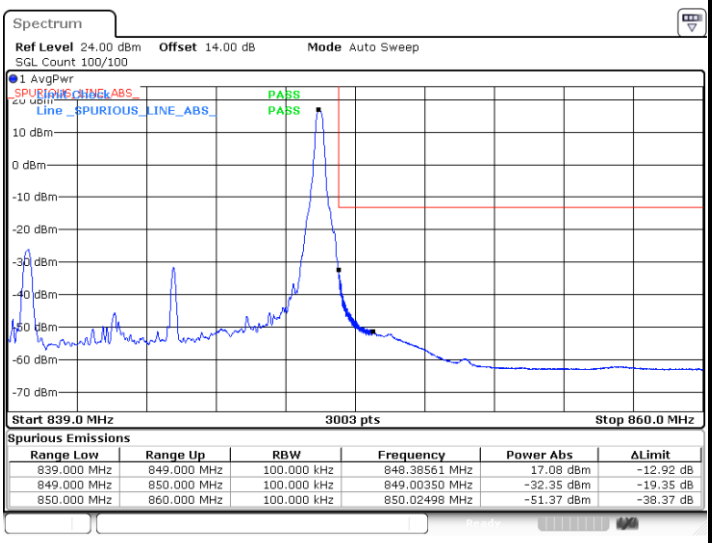


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-52.40 dBm	-39.40 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99750 MHz	-34.64 dBm	-21.64 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.59441 MHz	16.38 dBm	-13.62 dB

Date: 24.NOV.2019 04:14:10

Highest Band Edge / 1 RB

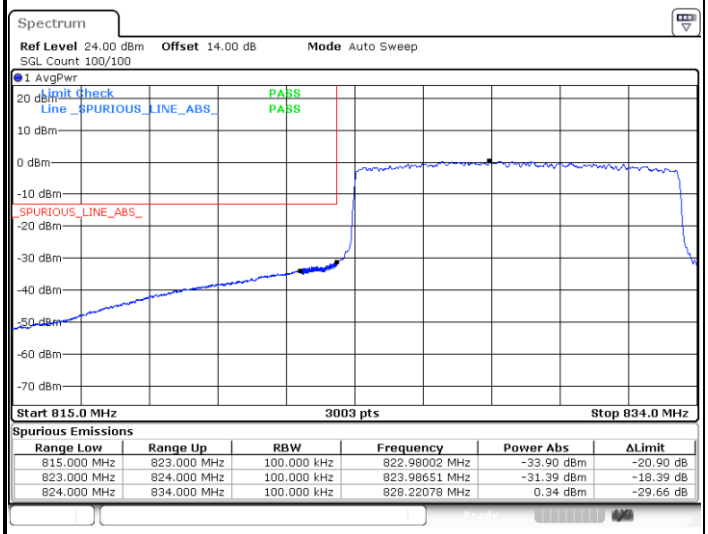


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.38561 MHz	17.08 dBm	-12.92 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00350 MHz	-32.35 dBm	-19.35 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-51.37 dBm	-38.37 dB

Date: 24.NOV.2019 04:20:53

Lowest Band Edge / Full RB

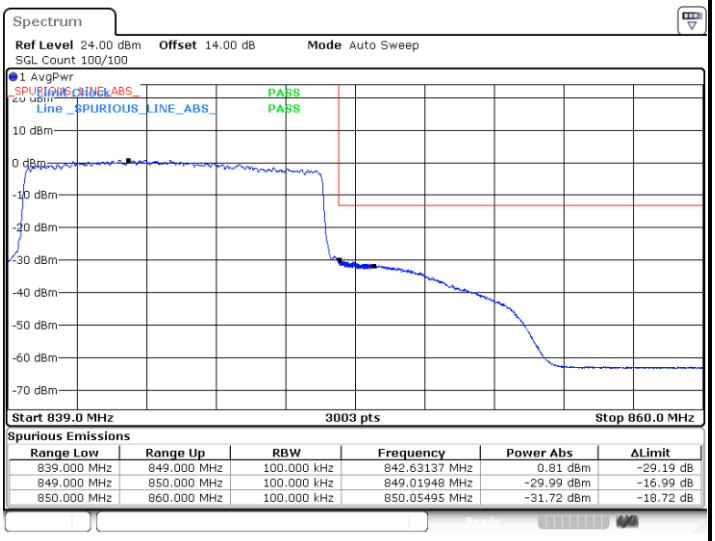


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-33.90 dBm	-20.90 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98651 MHz	-31.39 dBm	-18.39 dB
824.000 MHz	834.000 MHz	100.000 kHz	828.22078 MHz	0.34 dBm	-29.66 dB

Date: 24.NOV.2019 04:17:31

Highest Band Edge / Full RB



Spurious Emissions

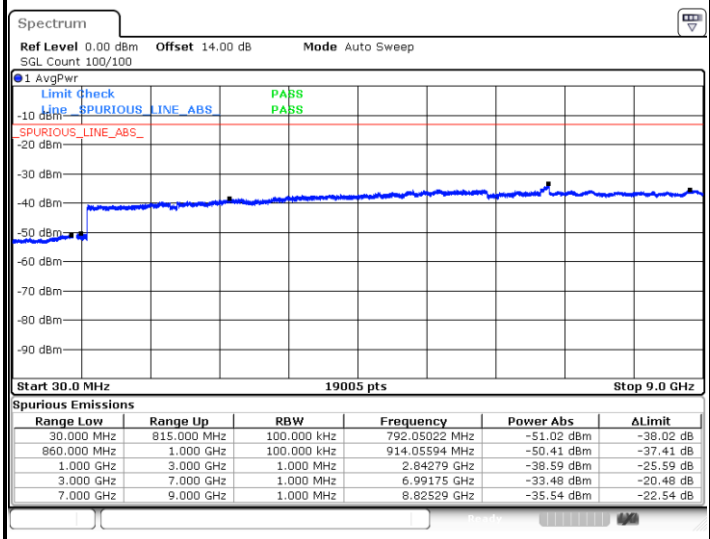
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	842.63137 MHz	0.81 dBm	-29.19 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.01948 MHz	-29.99 dBm	-16.99 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-31.72 dBm	-18.72 dB

Date: 24.NOV.2019 04:24:14

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

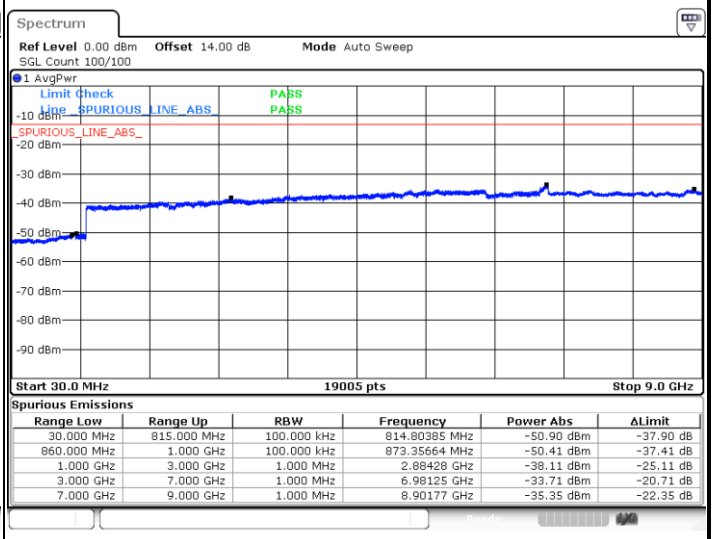


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	792.05022 MHz	-51.02 dBm	-38.02 dB
860.000 MHz	1.000 GHz	100.000 kHz	914.05594 MHz	-50.41 dBm	-37.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84279 GHz	-38.59 dBm	-25.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-33.48 dBm	-20.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.82529 GHz	-35.54 dBm	-22.54 dB

Date: 24.NOV.2019 05:15:11

Lowest Channel / 16QAM

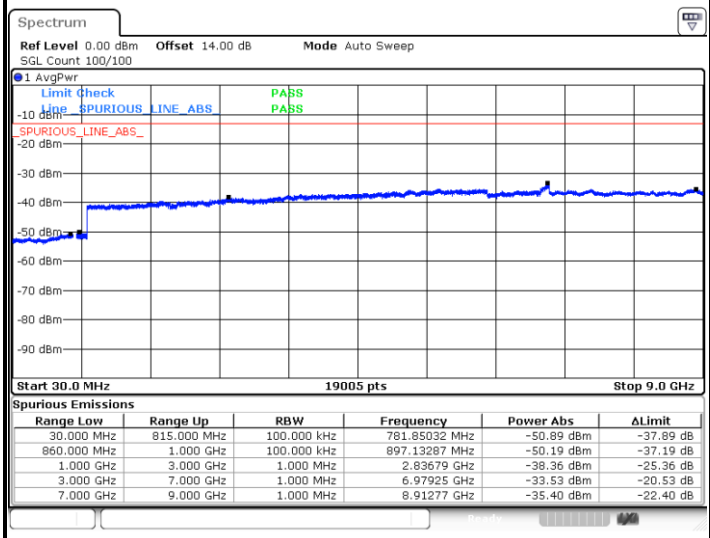


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-50.90 dBm	-37.90 dB
860.000 MHz	1.000 GHz	100.000 kHz	873.35664 MHz	-50.41 dBm	-37.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.88428 GHz	-38.11 dBm	-25.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98125 GHz	-33.71 dBm	-20.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90177 GHz	-35.35 dBm	-22.35 dB

Date: 24.NOV.2019 05:17:24

Middle Channel / QPSK

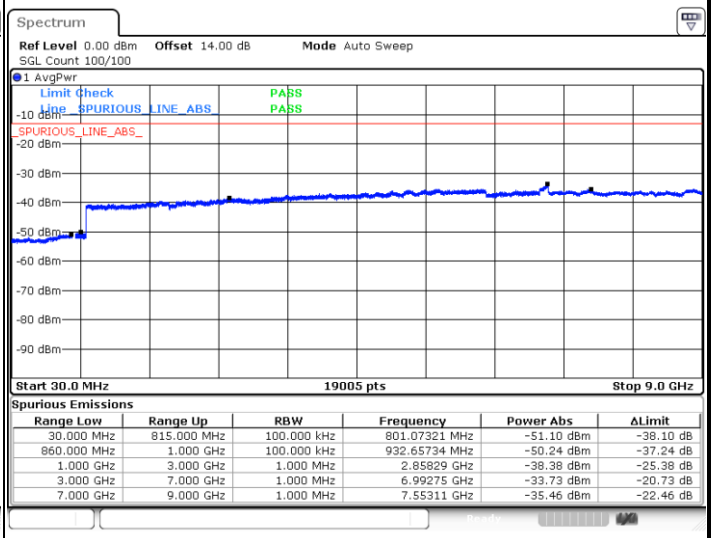


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	781.85032 MHz	-50.89 dBm	-37.89 dB
860.000 MHz	1.000 GHz	100.000 kHz	897.13287 MHz	-50.19 dBm	-37.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83679 GHz	-38.36 dBm	-25.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-33.53 dBm	-20.53 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91277 GHz	-35.40 dBm	-22.40 dB

Date: 24.NOV.2019 05:12:32

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	801.07321 MHz	-51.10 dBm	-38.10 dB
860.000 MHz	1.000 GHz	100.000 kHz	932.65734 MHz	-50.24 dBm	-37.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85829 GHz	-38.38 dBm	-25.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-33.73 dBm	-20.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-35.46 dBm	-22.46 dB

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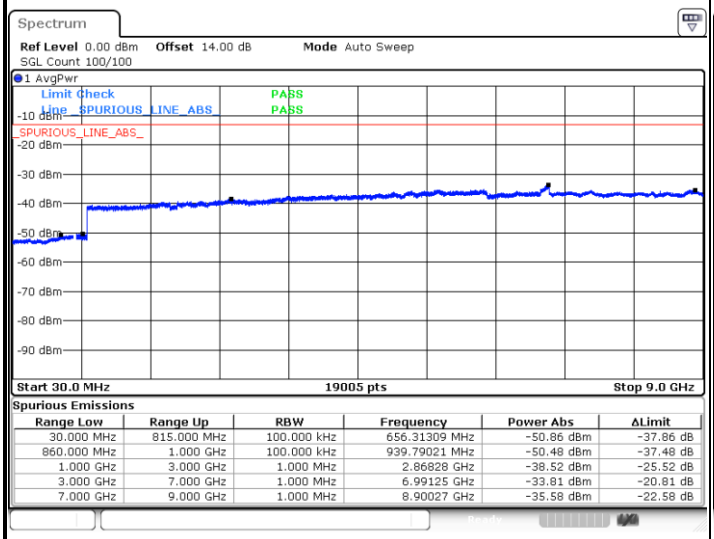
LTE Band 5 / 1.4MHz

Highest Channel / QPSK

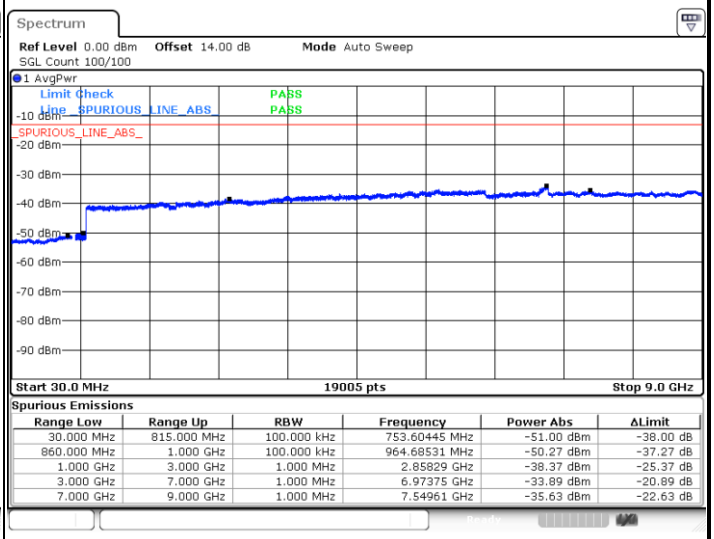


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	656.31309 MHz	-50.86 dBm	-37.86 dB
860.000 MHz	1.000 GHz	100.000 kHz	939.79021 MHz	-50.48 dBm	-37.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86828 GHz	-38.52 dBm	-25.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-33.81 dBm	-20.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90027 GHz	-35.58 dBm	-22.58 dB

Date: 24.NOV.2019 05:04:11

Highest Channel / 16QAM



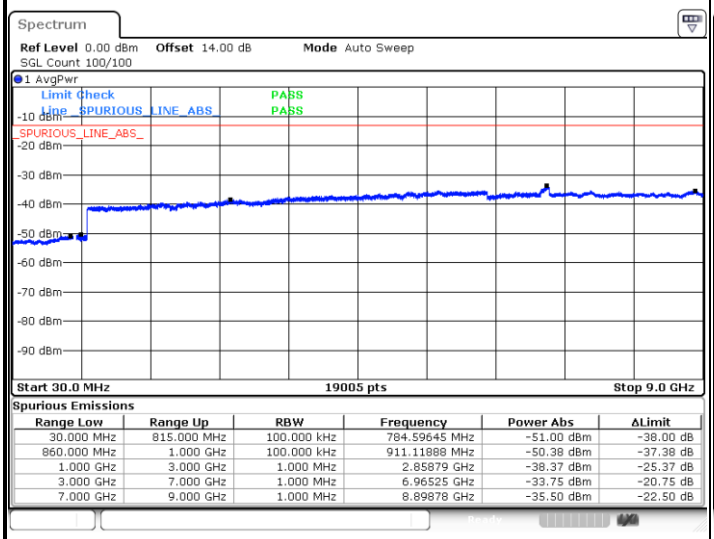
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	753.60445 MHz	-51.00 dBm	-38.00 dB
860.000 MHz	1.000 GHz	100.000 kHz	964.68531 MHz	-50.27 dBm	-37.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85829 GHz	-38.37 dBm	-25.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97375 GHz	-33.89 dBm	-20.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-35.63 dBm	-22.63 dB

Date: 24.NOV.2019 05:06:34

LTE Band 5 / 3MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	784.59645 MHz	-51.00 dBm	-38.00 dB
860.000 MHz	1.000 GHz	100.000 kHz	911.11888 MHz	-50.38 dBm	-37.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85879 GHz	-38.37 dBm	-25.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96525 GHz	-33.75 dBm	-20.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89878 GHz	-35.50 dBm	-22.50 dB

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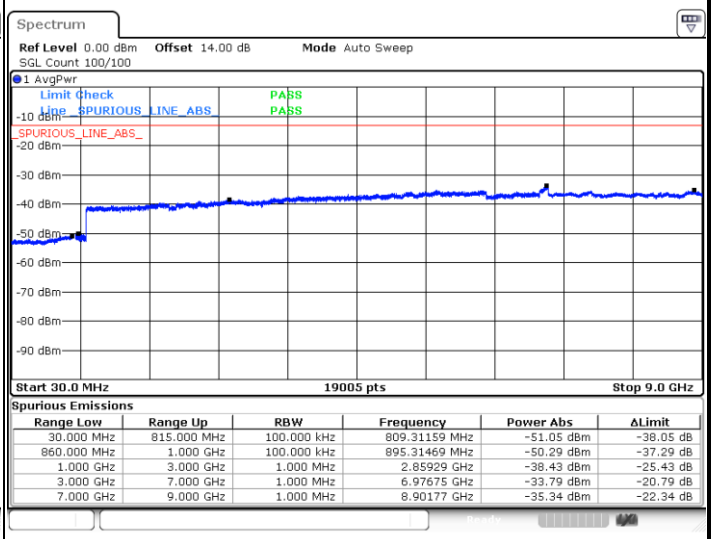
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	809.31159 MHz	-51.05 dBm	-38.05 dB
860.000 MHz	1.000 GHz	100.000 kHz	895.31469 MHz	-50.29 dBm	-37.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85929 GHz	-38.43 dBm	-25.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97675 GHz	-33.79 dBm	-20.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90177 GHz	-35.34 dBm	-22.34 dB

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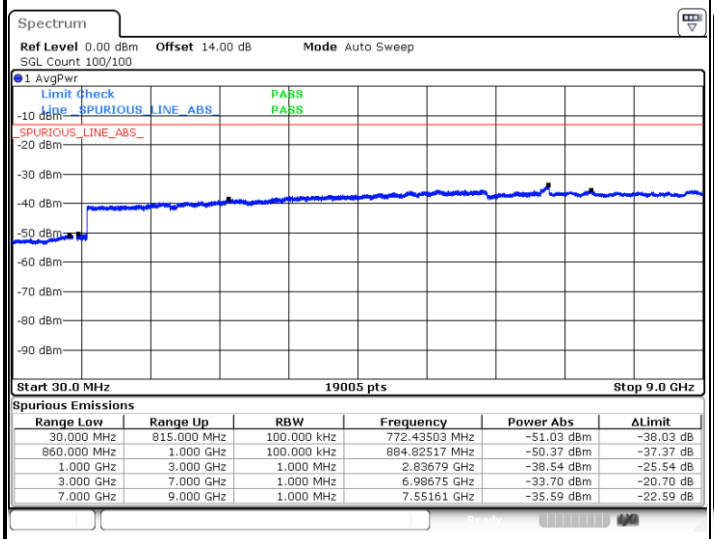
LTE Band 5 / 3MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	772.43503 MHz	-51.03 dBm	-38.03 dB
860.000 MHz	1.000 GHz	100.000 kHz	884.82517 MHz	-50.37 dBm	-37.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83679 GHz	-38.54 dBm	-25.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-33.70 dBm	-20.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-35.59 dBm	-22.59 dB

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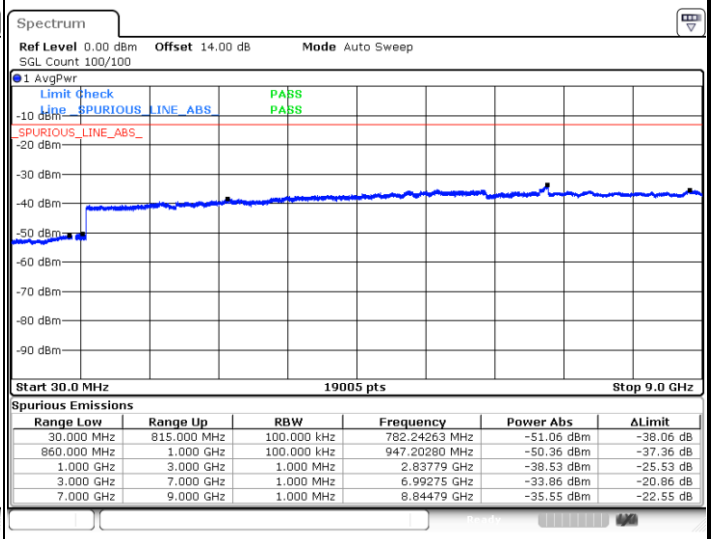
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	782.24263 MHz	-51.06 dBm	-38.06 dB
860.000 MHz	1.000 GHz	100.000 kHz	947.20280 MHz	-50.36 dBm	-37.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83779 GHz	-38.53 dBm	-25.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-33.86 dBm	-20.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.84479 GHz	-35.55 dBm	-22.55 dB

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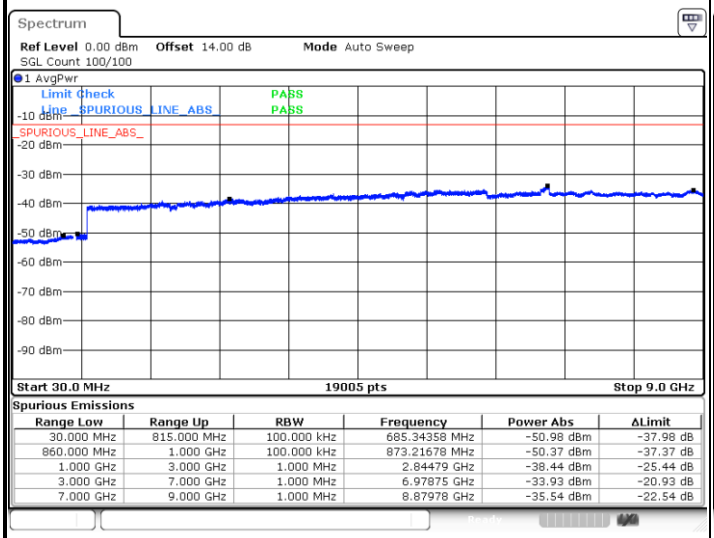
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	685.34358 MHz	-50.98 dBm	-37.98 dB
860.000 MHz	1.000 GHz	100.000 kHz	873.21678 MHz	-50.37 dBm	-37.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84479 GHz	-38.44 dBm	-25.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97875 GHz	-33.93 dBm	-20.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.87978 GHz	-35.54 dBm	-22.54 dB

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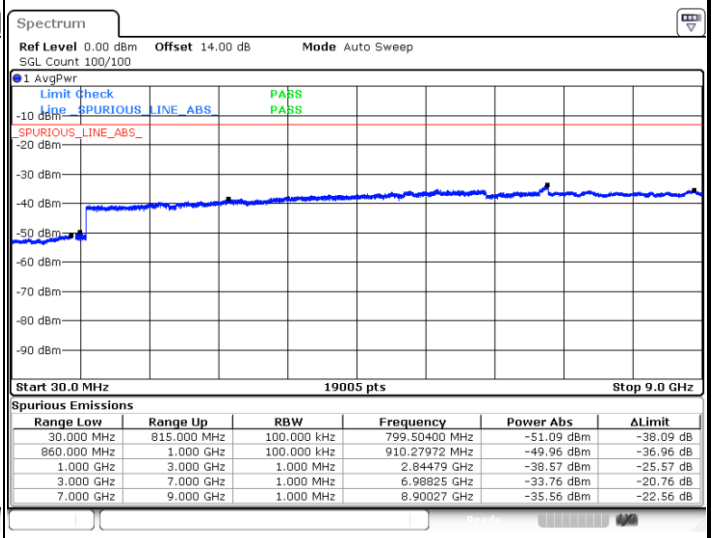
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	799.50400 MHz	-51.09 dBm	-38.09 dB
860.000 MHz	1.000 GHz	100.000 kHz	910.27972 MHz	-49.96 dBm	-36.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84479 GHz	-38.57 dBm	-25.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-33.76 dBm	-20.76 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90027 GHz	-35.56 dBm	-22.56 dB

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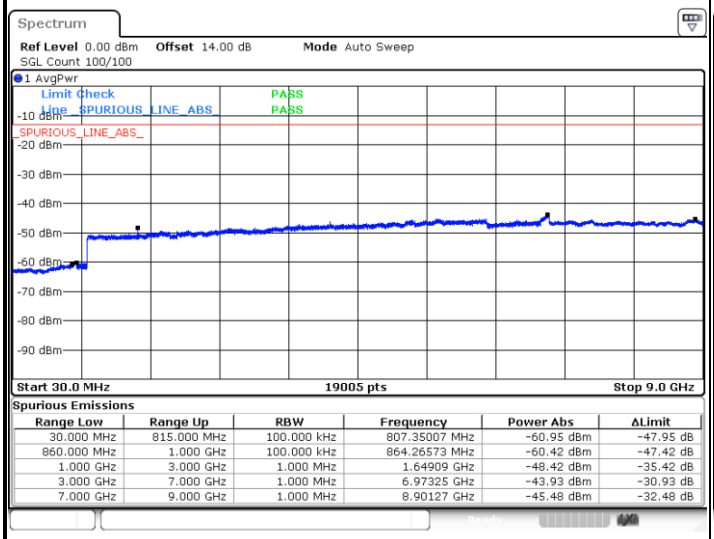
LTE Band 5 / 5MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	807.35007 MHz	-60.95 dBm	-47.95 dB
860.000 MHz	1.000 GHz	100.000 kHz	864.26573 MHz	-60.42 dBm	-47.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-48.42 dBm	-35.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97325 GHz	-43.93 dBm	-30.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90127 GHz	-45.48 dBm	-32.48 dB

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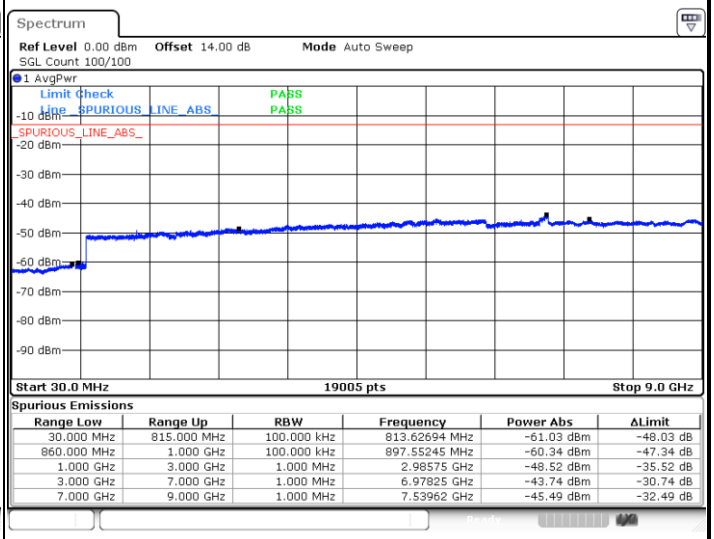
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.62694 MHz	-61.03 dBm	-48.03 dB
860.000 MHz	1.000 GHz	100.000 kHz	897.55245 MHz	-60.34 dBm	-47.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98575 GHz	-48.52 dBm	-35.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97825 GHz	-43.74 dBm	-30.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53962 GHz	-45.49 dBm	-32.49 dB

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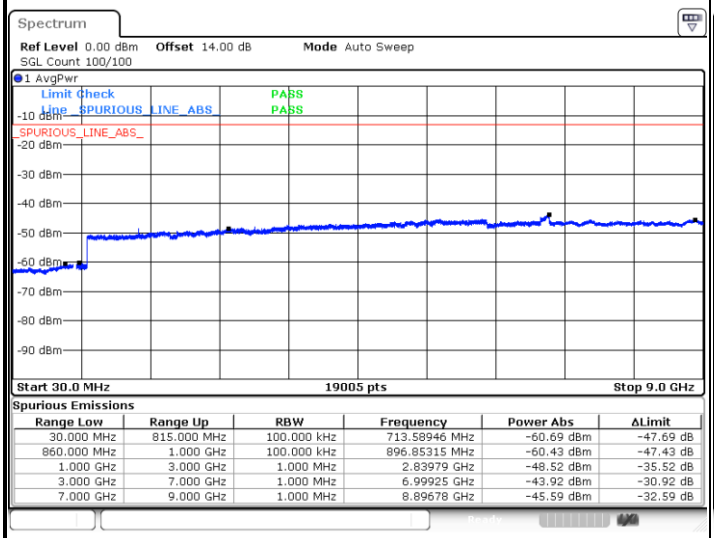
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	713.58946 MHz	-60.69 dBm	-47.69 dB
860.000 MHz	1.000 GHz	100.000 kHz	896.85315 MHz	-60.43 dBm	-47.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83979 GHz	-48.52 dBm	-35.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-43.92 dBm	-30.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89678 GHz	-45.59 dBm	-32.59 dB

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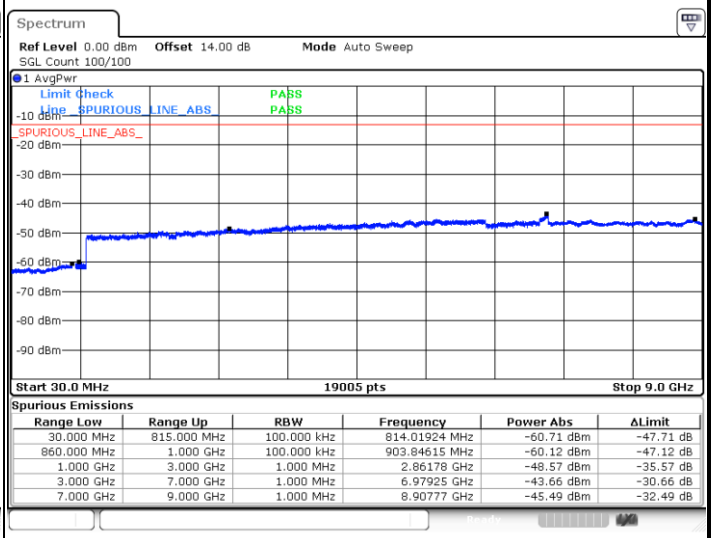
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-60.71 dBm	-47.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	903.84615 MHz	-60.12 dBm	-47.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86178 GHz	-48.57 dBm	-35.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-43.66 dBm	-30.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90777 GHz	-45.49 dBm	-32.49 dB

Date: 24.NOV.2019 04:31:16