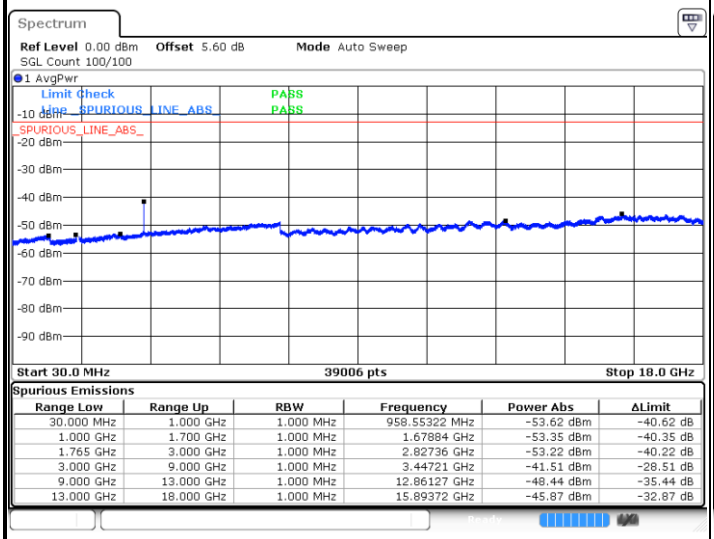
LTE Band 4 / 20MHz

Middle Channel / QPSK

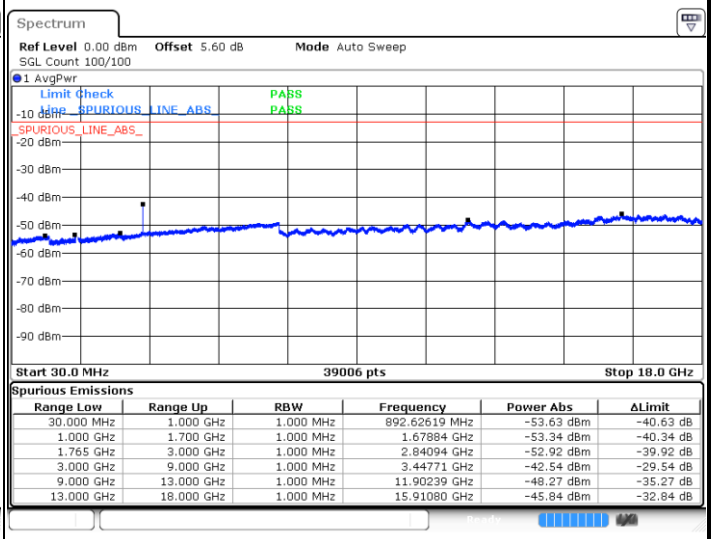


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-53.62 dBm	-40.62 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67884 GHz	-53.35 dBm	-40.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82736 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-41.51 dBm	-28.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86127 GHz	-48.44 dBm	-35.44 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89372 GHz	-45.87 dBm	-32.87 dB

Date: 3.FEB.2020 15:34:15

Middle Channel / 16QAM

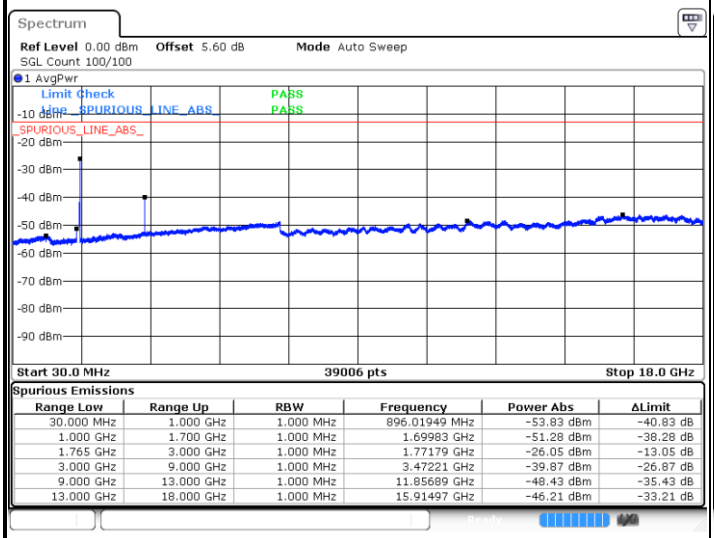


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-53.63 dBm	-40.63 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67884 GHz	-53.34 dBm	-40.34 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84094 GHz	-52.92 dBm	-39.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44771 GHz	-42.54 dBm	-29.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.90239 GHz	-48.27 dBm	-35.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.91080 GHz	-45.84 dBm	-32.84 dB

Date: 3.FEB.2020 15:35:10

Highest Channel / QPSK

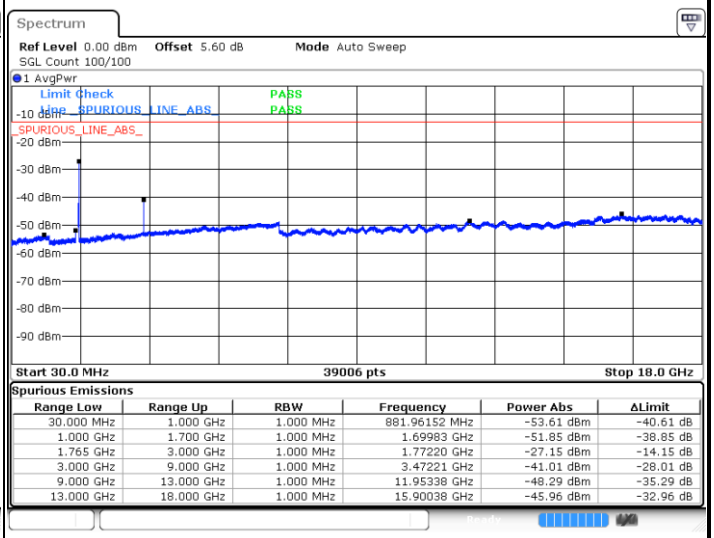


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.01949 MHz	-53.83 dBm	-40.83 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-51.28 dBm	-38.28 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-26.05 dBm	-13.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-39.87 dBm	-26.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.85689 GHz	-48.43 dBm	-35.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.91497 GHz	-46.21 dBm	-33.21 dB

Date: 3.FEB.2020 15:36:05

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-53.61 dBm	-40.61 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-51.85 dBm	-38.85 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-27.15 dBm	-14.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-41.01 dBm	-28.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95338 GHz	-48.29 dBm	-35.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.90038 GHz	-45.96 dBm	-32.96 dB

Date: 3.FEB.2020 15:37:00

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	0.0024	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

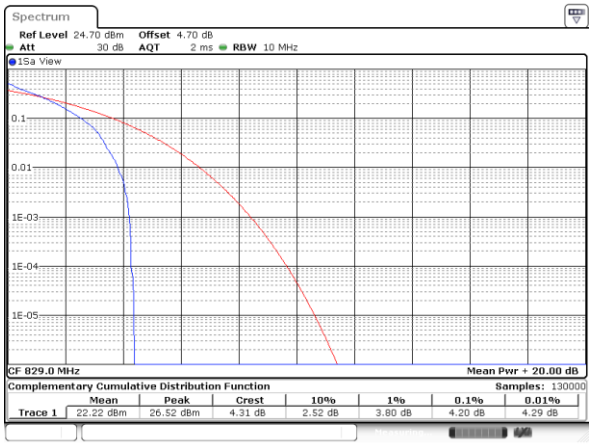
LTE Band 5

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	4.20	4.96	5.30	5.88	PASS
Middle CH	3.88	4.84	5.04	5.68	
Highest CH	4.43	5.01	5.28	5.88	

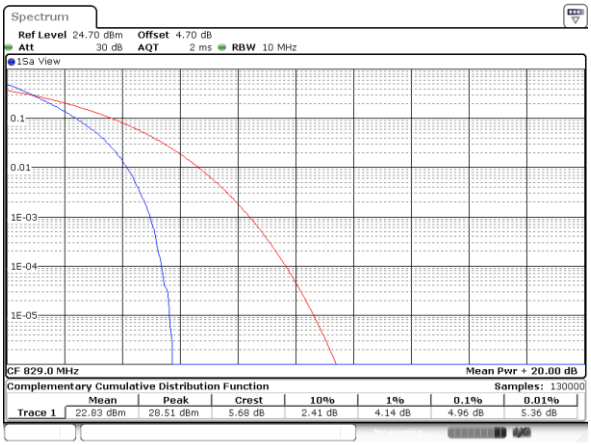
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



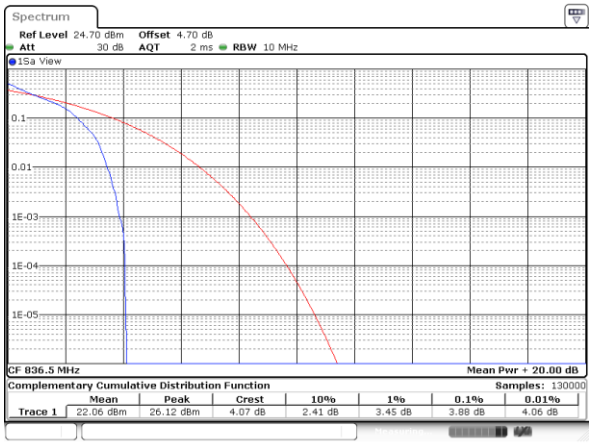
Date: 3.FEB.2020 17:38:56

Lowest Channel / Full RB



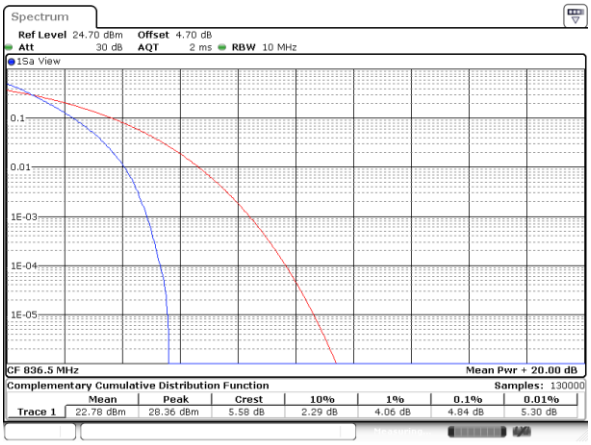
Date: 3.FEB.2020 17:38:29

Middle Channel / 1RB



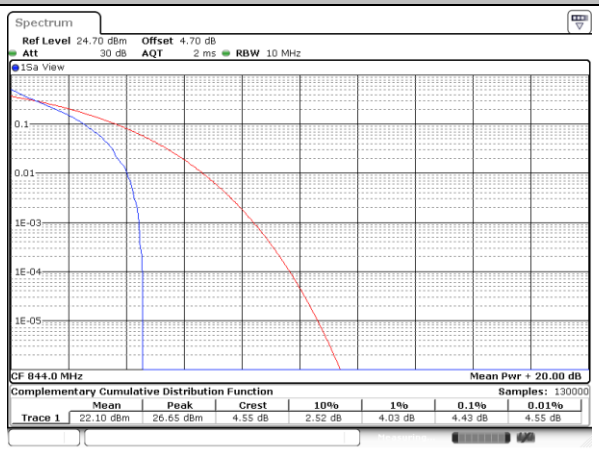
Date: 3.FEB.2020 17:39:05

Middle Channel / Full RB



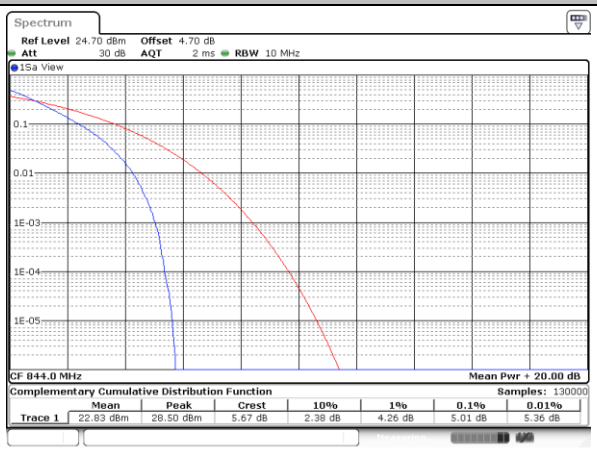
Date: 3.FEB.2020 17:39:31

Highest Channel / 1RB



Date: 3.FEB.2020 17:40:15

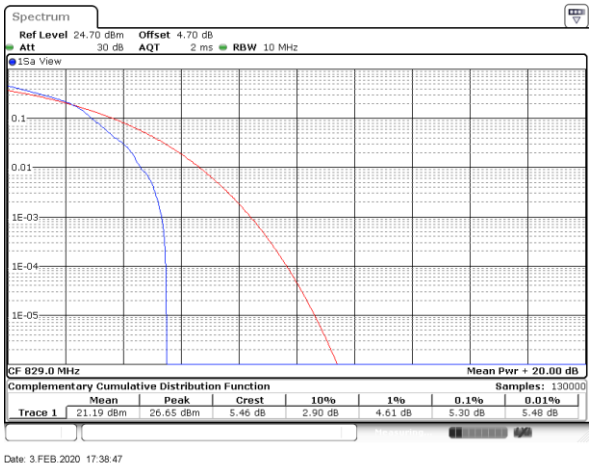
Highest Channel / Full RB



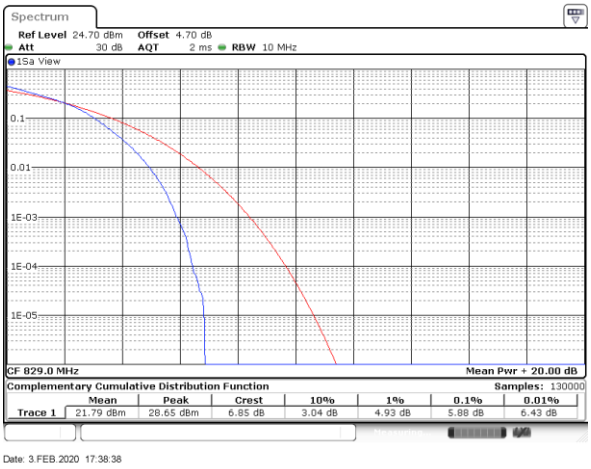
Date: 3.FEB.2020 17:39:40

LTE Band 5 / 10MHz / 16QAM

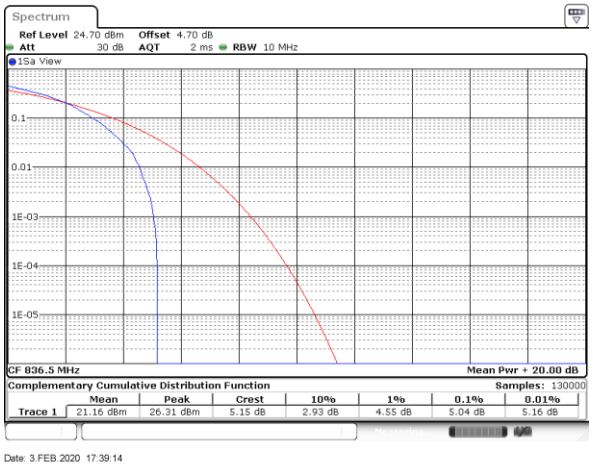
Lowest Channel / 1RB



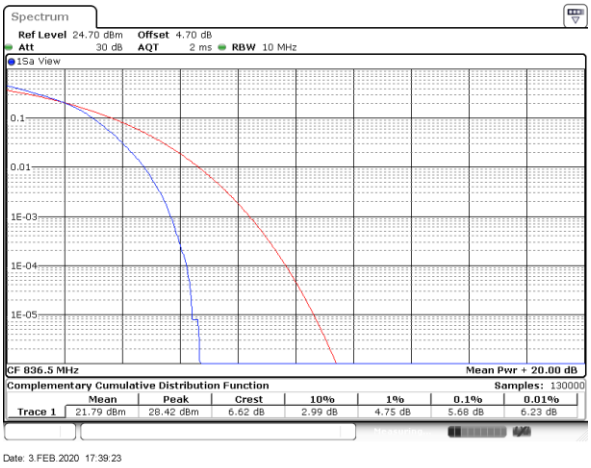
Lowest Channel / Full RB



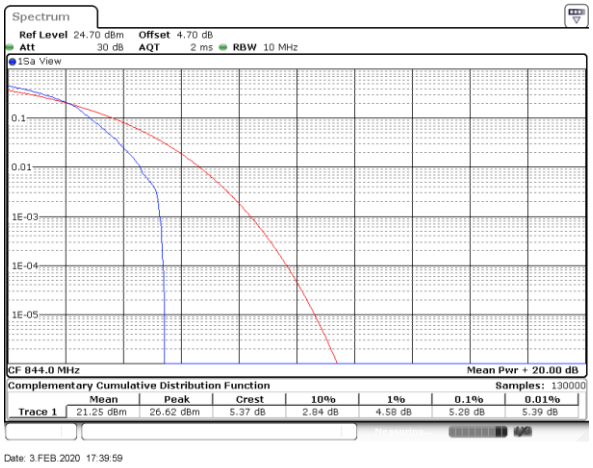
Middle Channel / 1RB



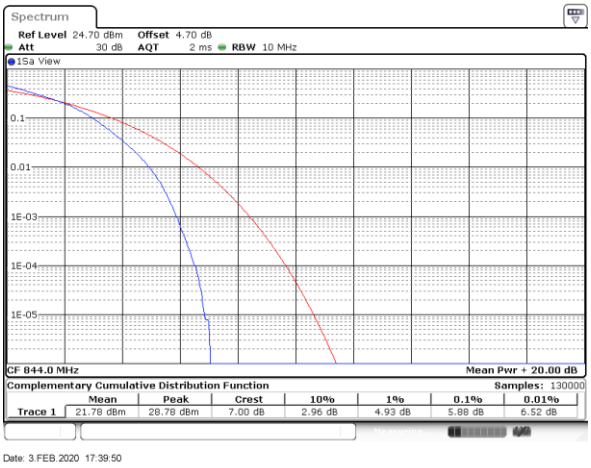
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

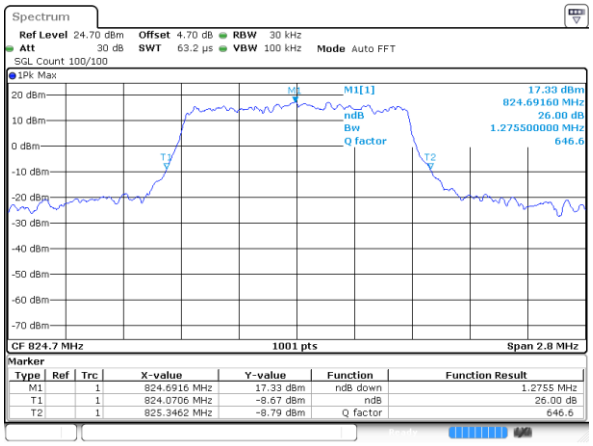


26dB Bandwidth

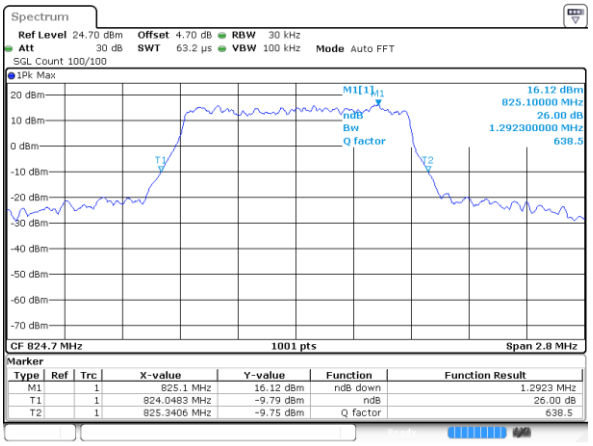
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.29	2.94	2.96	4.88	4.91	9.65	9.87				
Middle CH	1.27	1.30	2.93	2.97	4.90	4.91	9.73	9.65				
Highest CH	1.25	1.29	2.96	2.97	4.79	4.88	9.81	9.67				

LTE Band 5

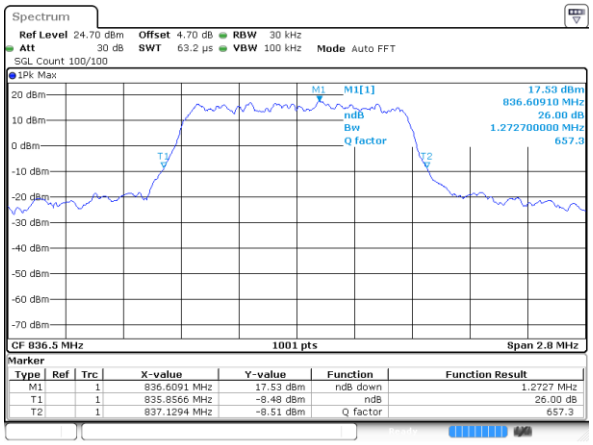
Lowest Channel / 1.4MHz / QPSK



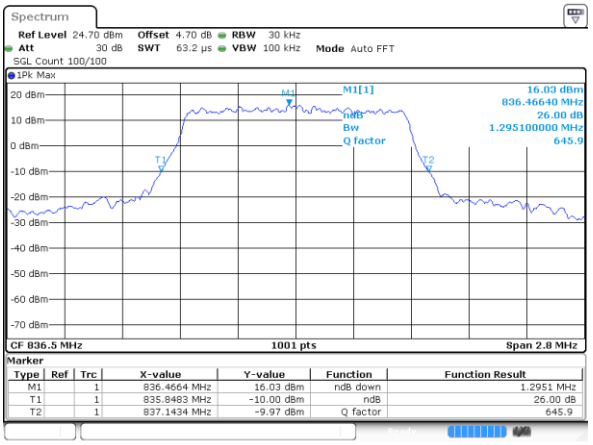
Lowest Channel / 1.4MHz / 16QAM



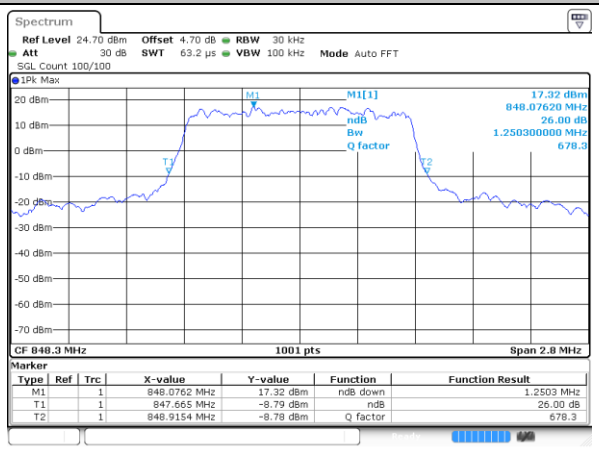
Middle Channel / 1.4MHz / QPSK



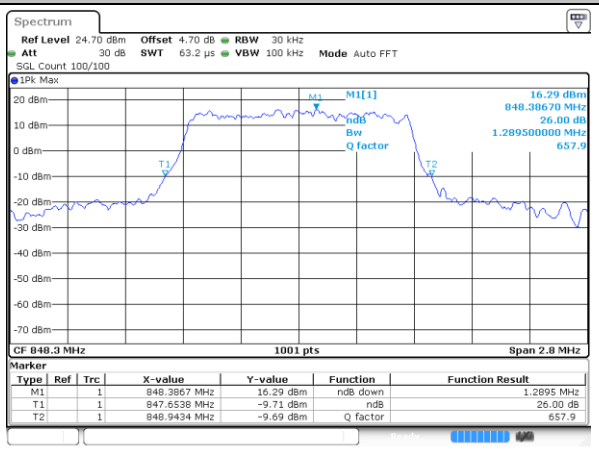
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

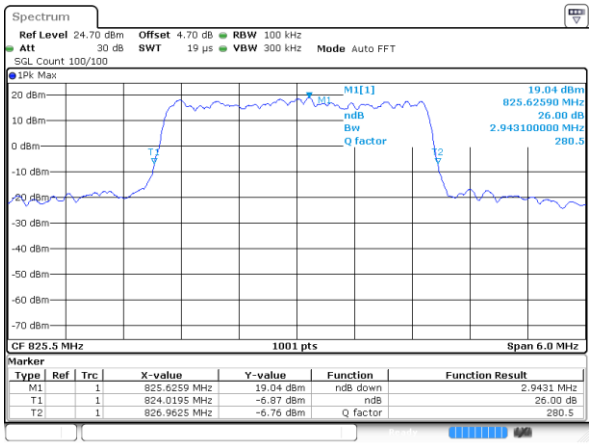


Highest Channel / 1.4MHz / 16QAM

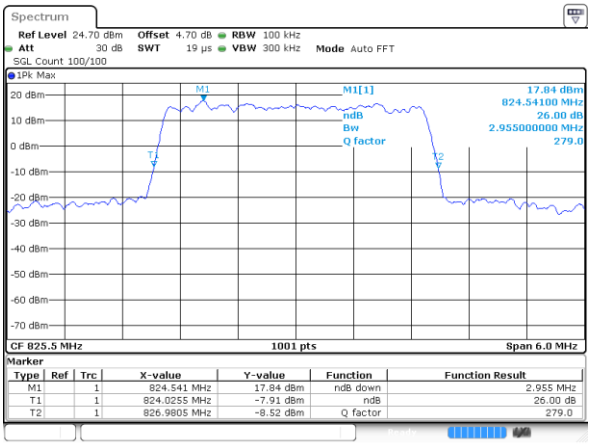


LTE Band 5

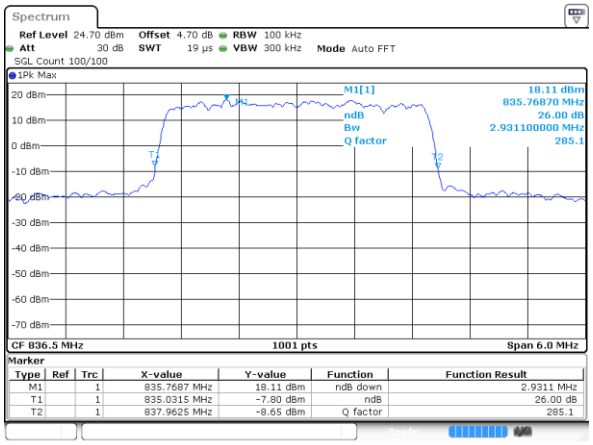
Lowest Channel / 3MHz / QPSK



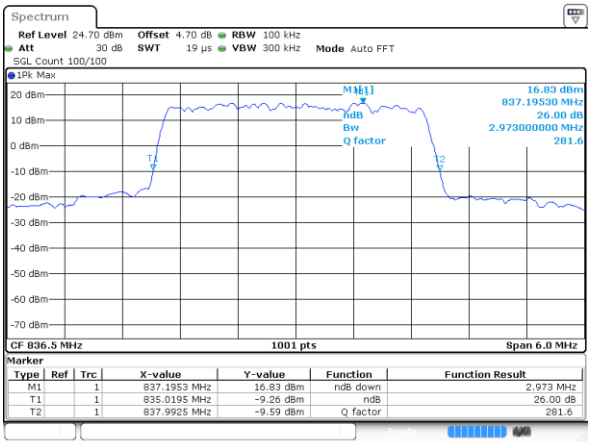
Lowest Channel / 3MHz / 16QAM



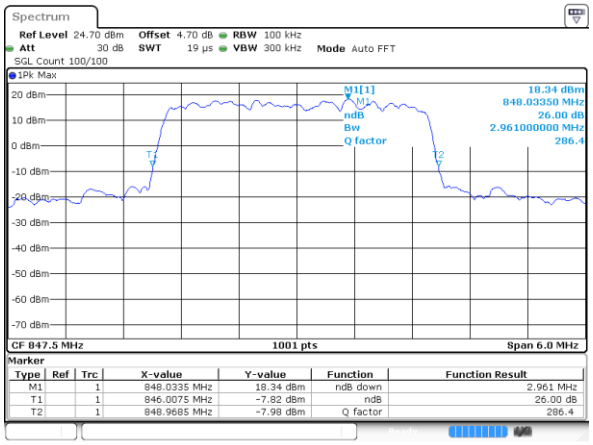
Middle Channel / 3MHz / QPSK



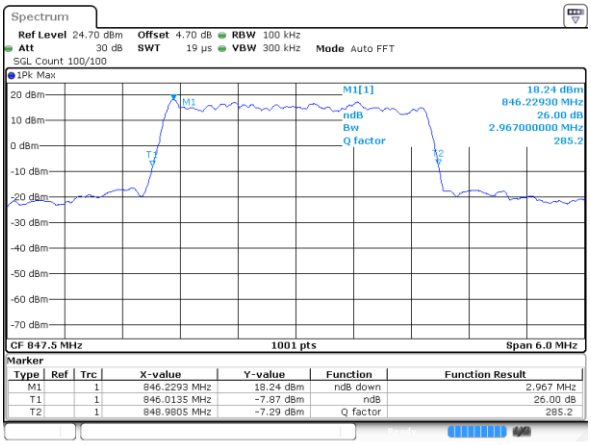
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

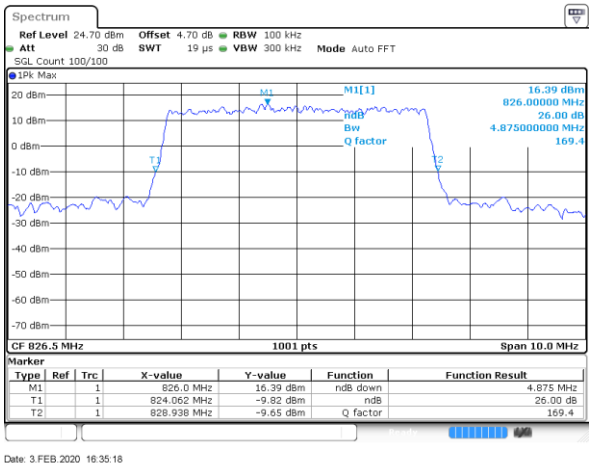


Highest Channel /3MHz / 16QAM

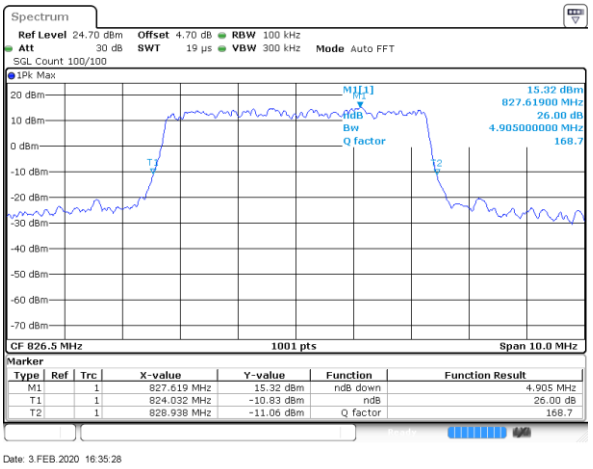


LTE Band 5

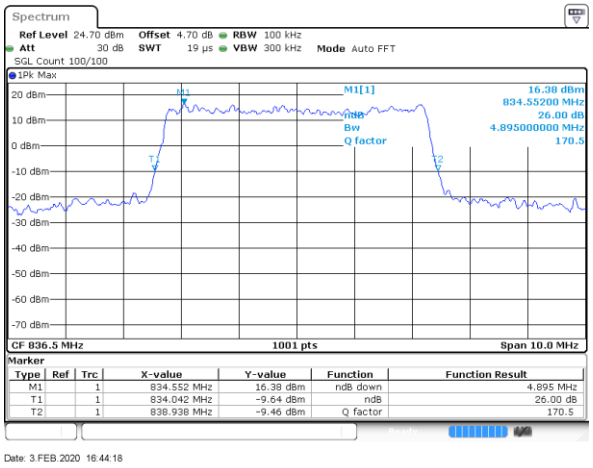
Lowest Channel / 5MHz / QPSK



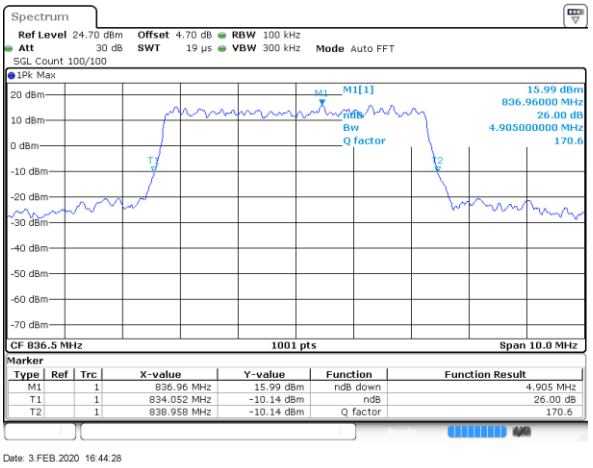
Lowest Channel / 5MHz / 16QAM



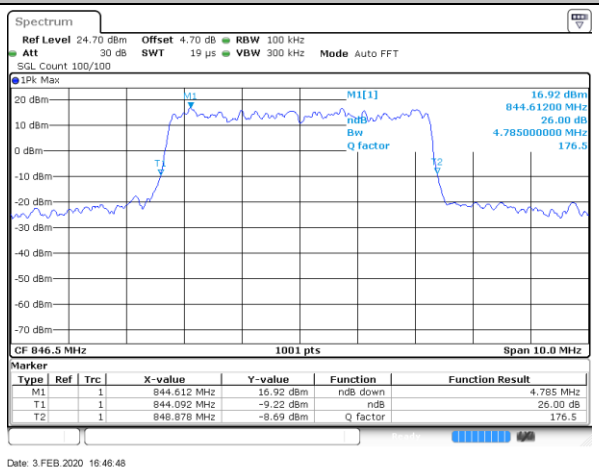
Middle Channel / 5MHz / QPSK



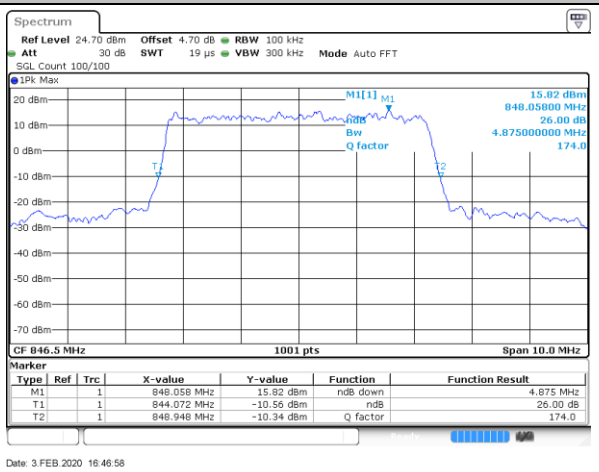
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

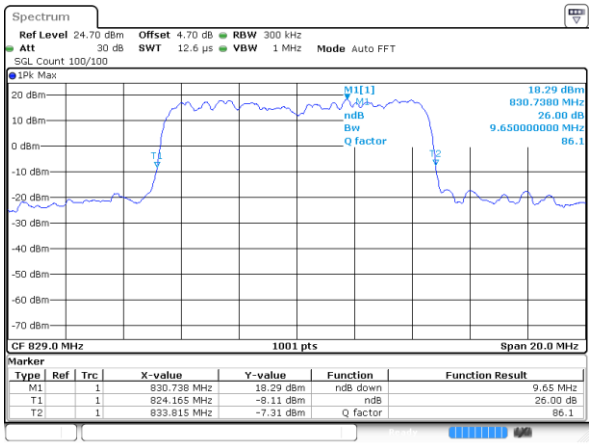


Highest Channel / 5MHz / 16QAM

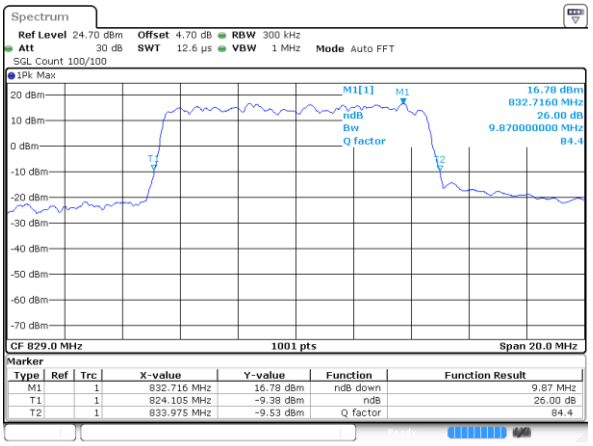


LTE Band 5

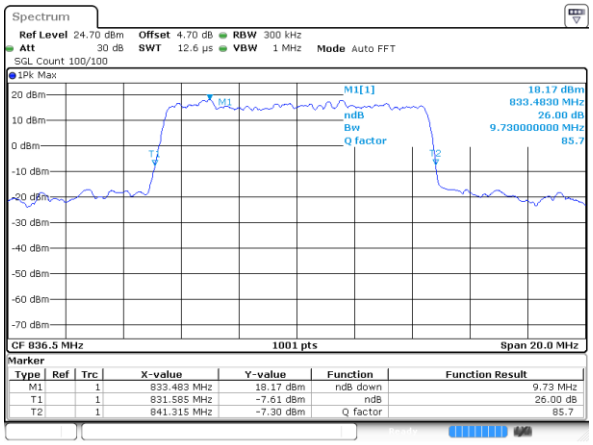
Lowest Channel / 10MHz / QPSK



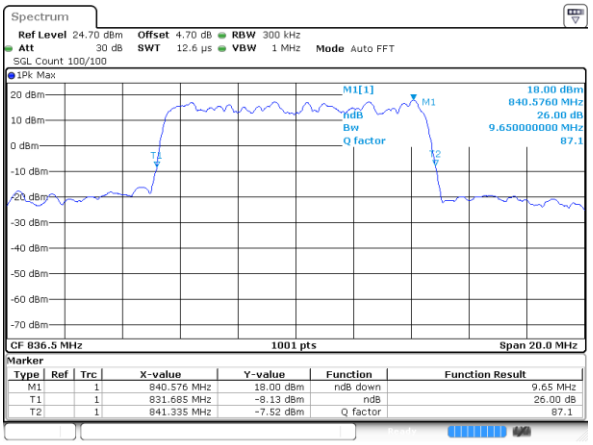
Lowest Channel / 10MHz / 16QAM



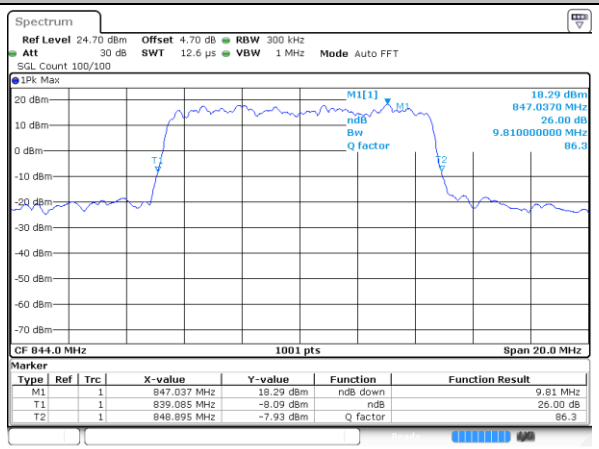
Middle Channel / 10MHz / QPSK



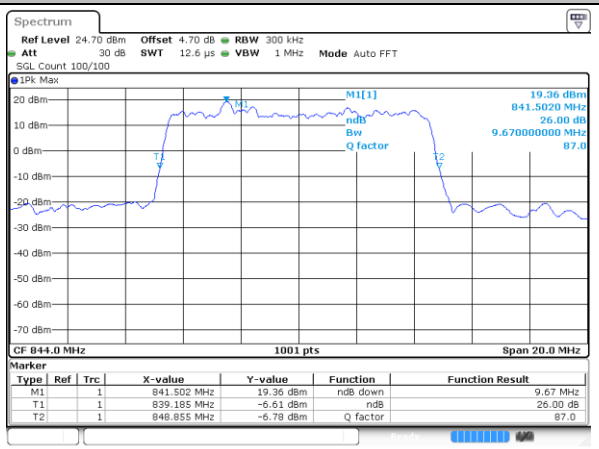
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

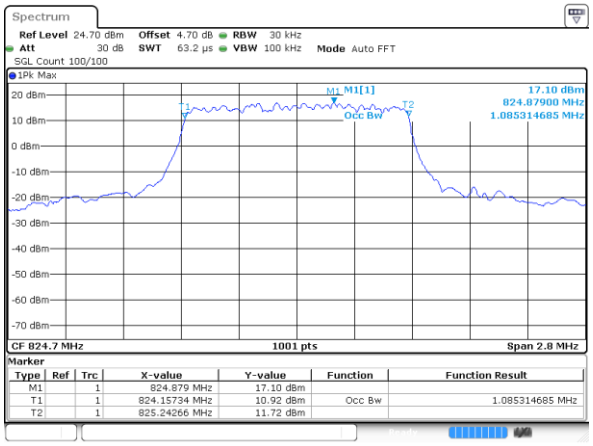


Occupied Bandwidth

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	1.10	2.70	2.71	4.48	4.50	8.97	9.01				
Middle CH	1.10	1.10	2.71	2.69	4.49	4.51	9.05	9.03				
Highest CH	1.09	1.10	2.71	2.71	4.48	4.48	8.97	9.01				

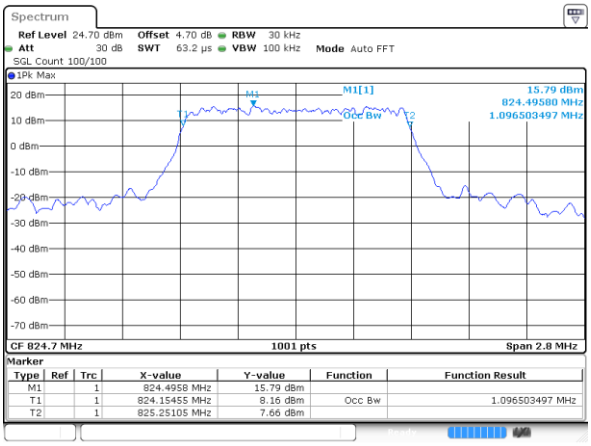
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



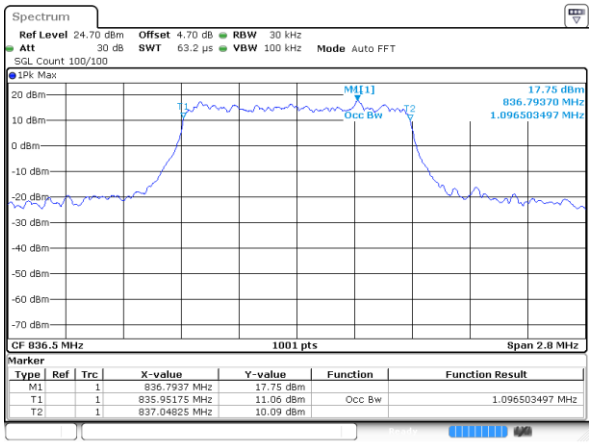
Date: 3.FEB.2020 15:53:56

Lowest Channel / 1.4MHz / 16QAM



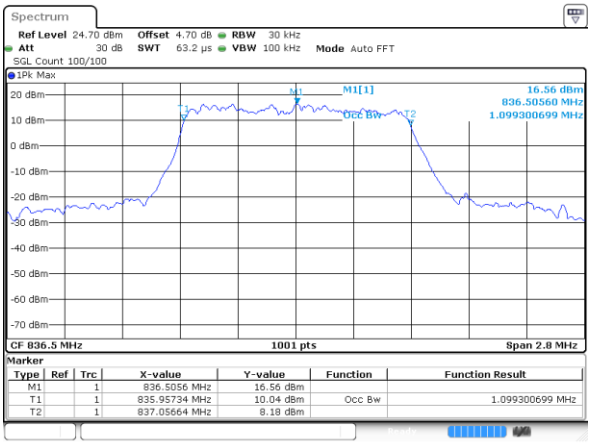
Date: 3.FEB.2020 15:54:06

Middle Channel / 1.4MHz / QPSK



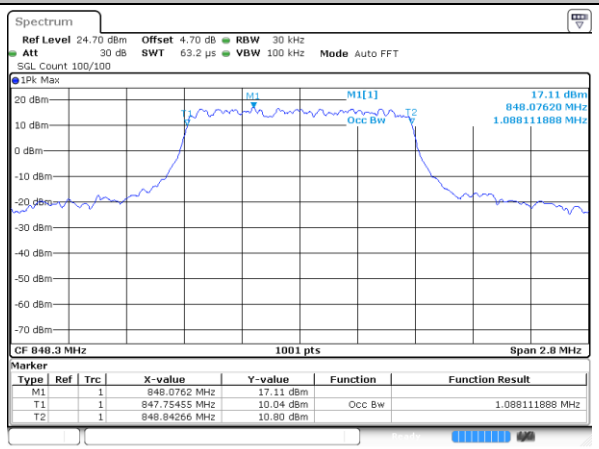
Date: 3.FEB.2020 16:02:57

Middle Channel / 1.4MHz / 16QAM



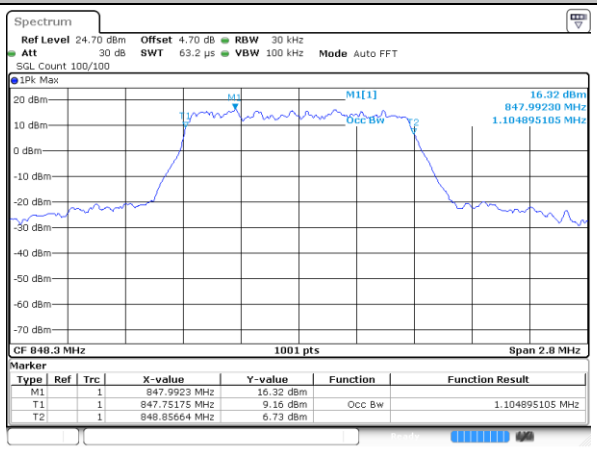
Date: 3.FEB.2020 16:03:07

Highest Channel / 1.4MHz / QPSK



Date: 3.FEB.2020 16:05:27

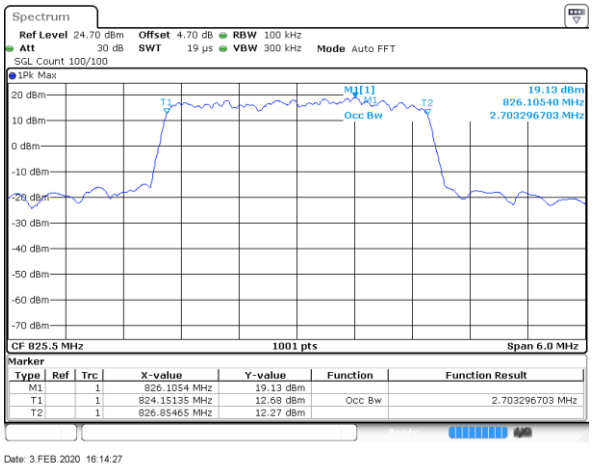
Highest Channel / 1.4MHz / 16QAM



Date: 3.FEB.2020 16:05:37

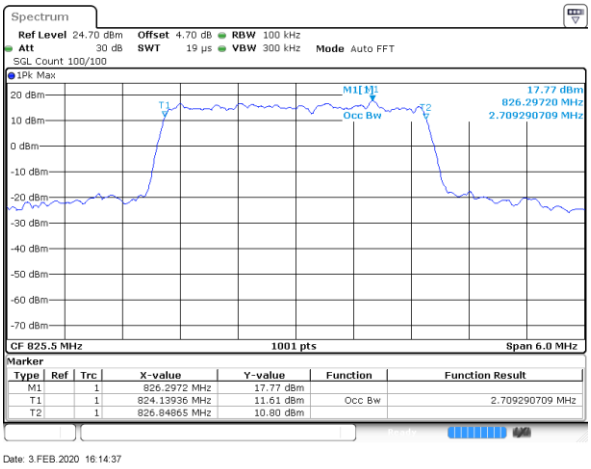
LTE Band 5

Lowest Channel / 3MHz / QPSK



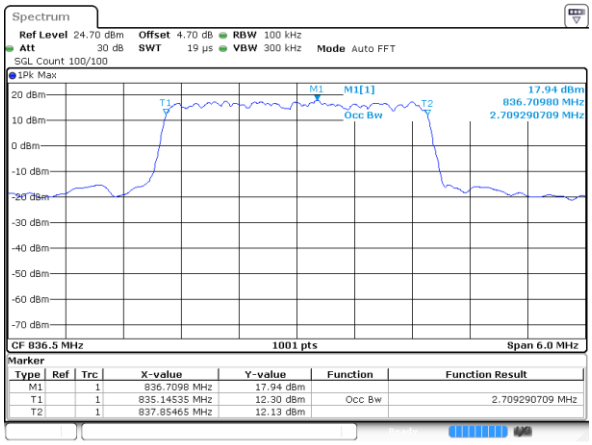
Date: 3.FEB.2020 16:14:27

Lowest Channel / 3MHz / 16QAM



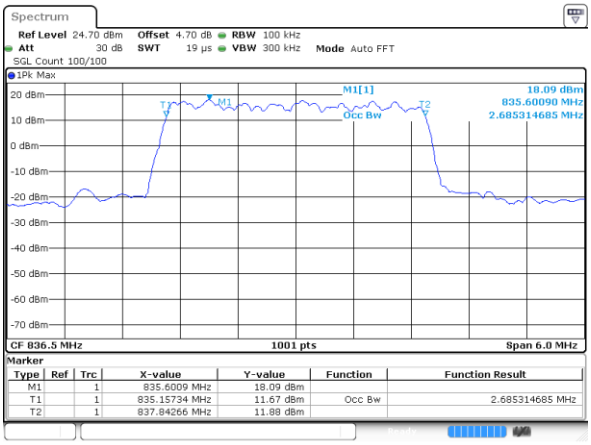
Date: 3.FEB.2020 16:14:37

Middle Channel / 3MHz / QPSK



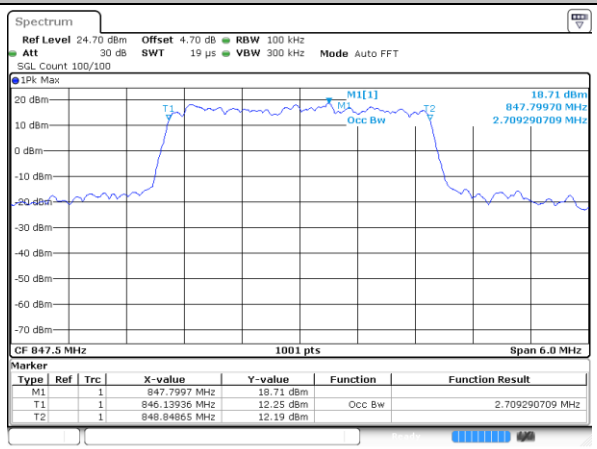
Date: 3.FEB.2020 16:23:27

Middle Channel / 3MHz / 16QAM



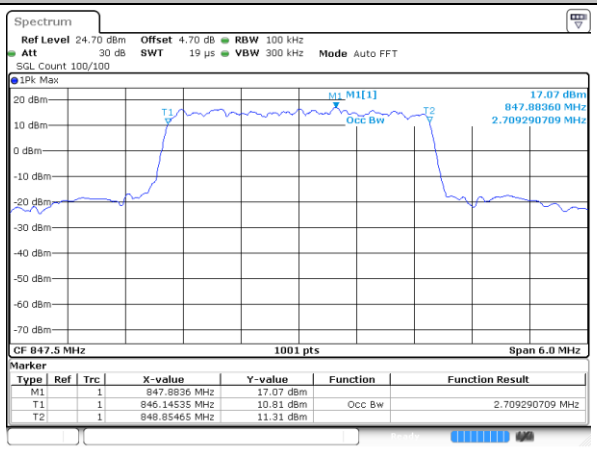
Date: 3.FEB.2020 16:23:37

Highest Channel / 3MHz / QPSK



Date: 3.FEB.2020 16:25:57

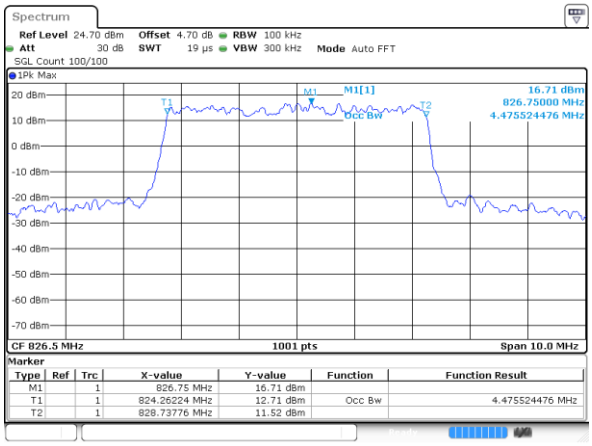
Highest Channel / 3MHz / 16QAM



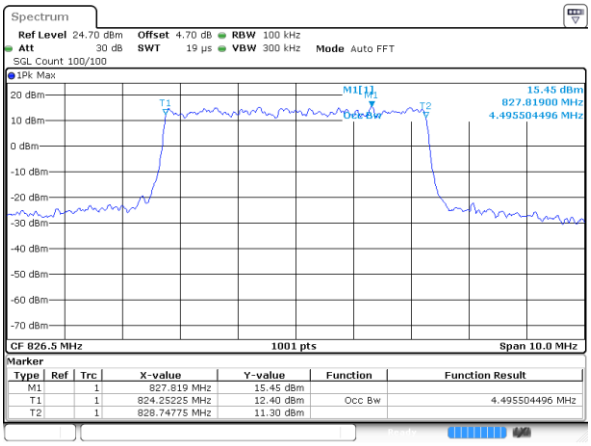
Date: 3.FEB.2020 16:26:07

LTE Band 5

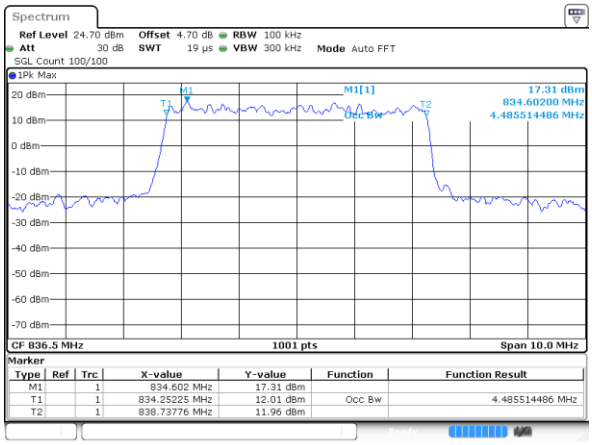
Lowest Channel / 5MHz / QPSK



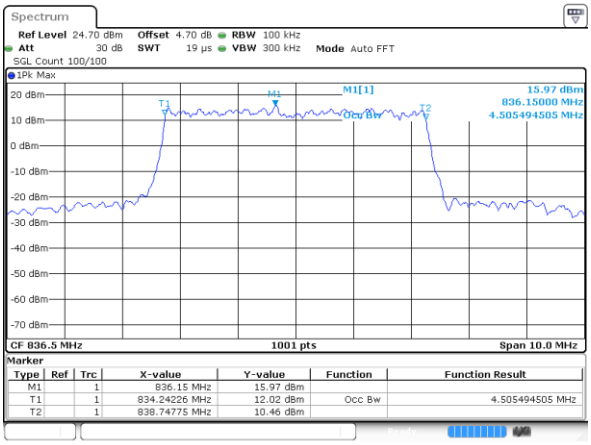
Lowest Channel / 5MHz / 16QAM



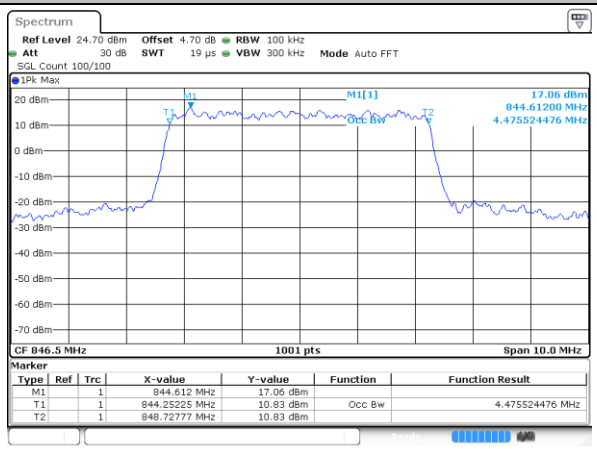
Middle Channel / 5MHz / QPSK



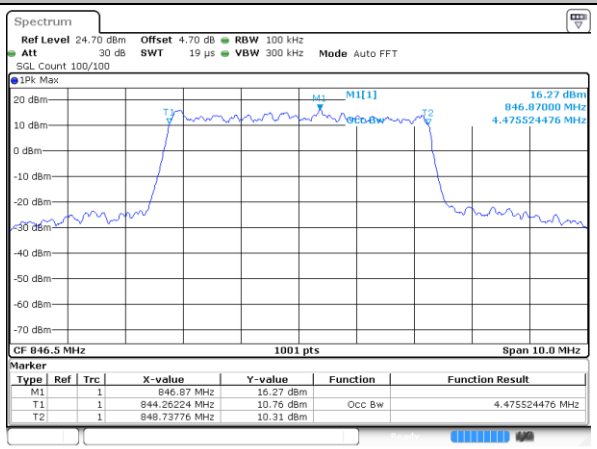
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

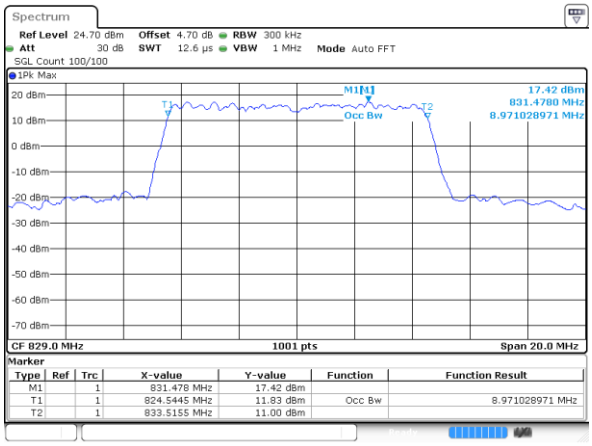


Highest Channel / 5MHz / 16QAM

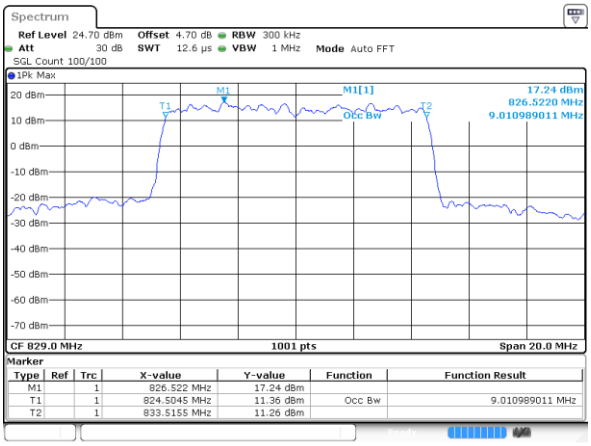


LTE Band 5

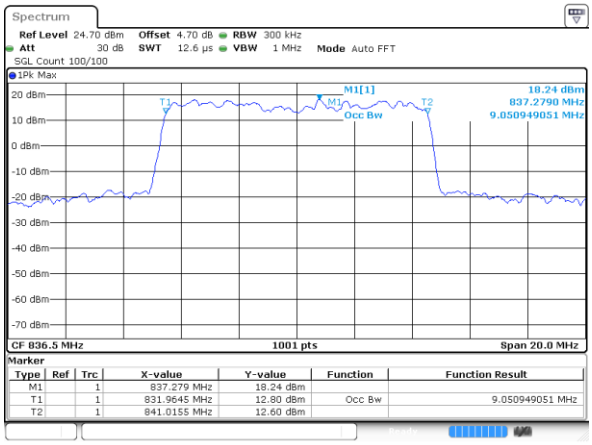
Lowest Channel / 10MHz / QPSK



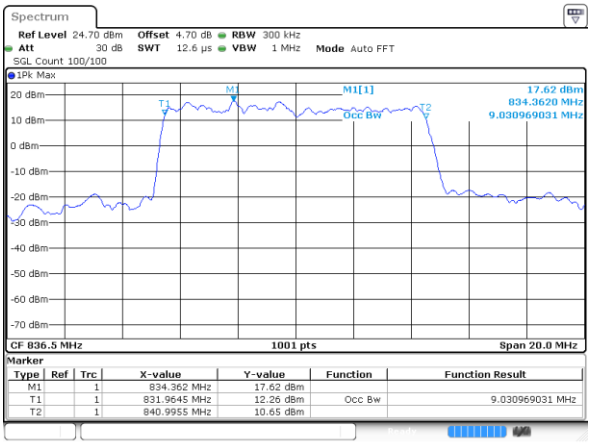
Lowest Channel / 10MHz / 16QAM



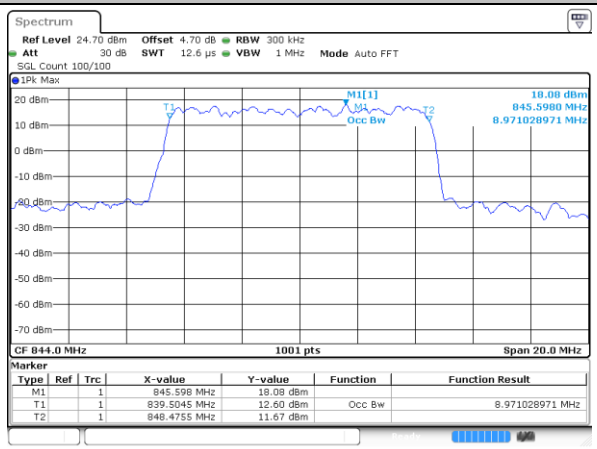
Middle Channel / 10MHz / QPSK



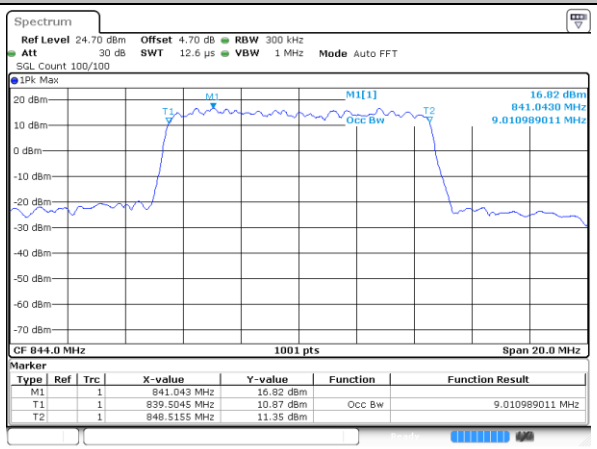
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



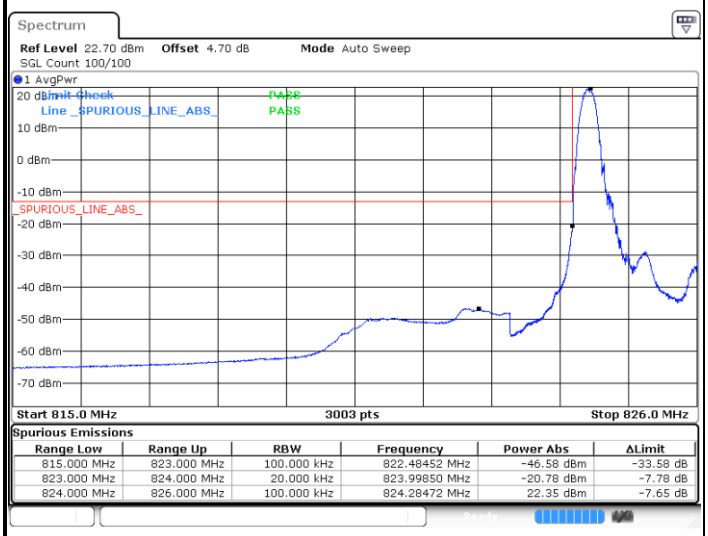
Highest Channel / 10MHz / 16QAM



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	822.48452 MHz	-46.58 dBm	-33.58 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-20.78 dBm	-7.78 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.28472 MHz	22.35 dBm	-7.65 dB

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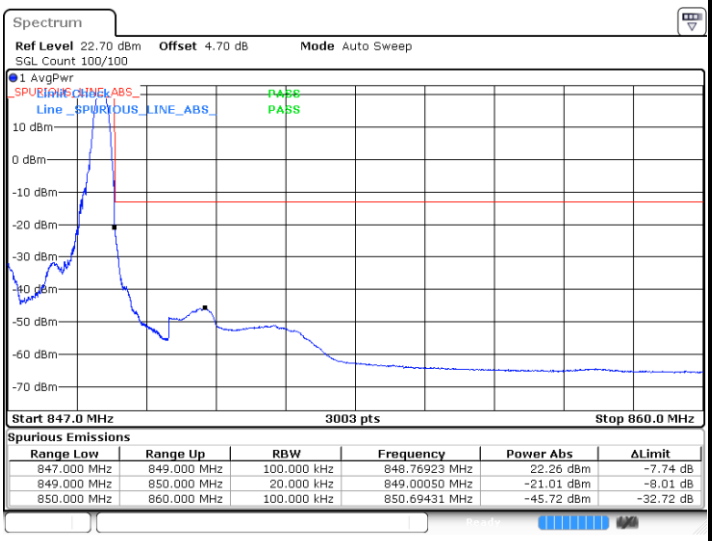
Highest Band Edge / 1RB

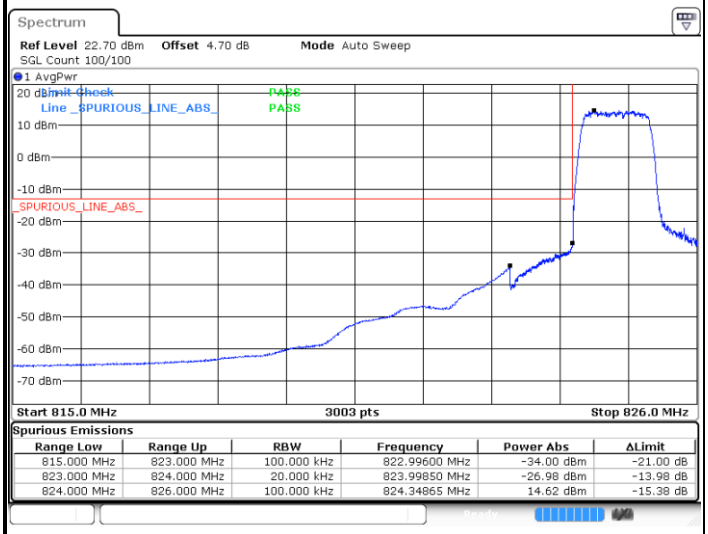


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.76923 MHz	22.26 dBm	-7.74 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-21.01 dBm	-8.01 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.69431 MHz	-45.72 dBm	-32.72 dB

Date: 3.FEB.2020 16:10:50

Lowest Band Edge / Full RB

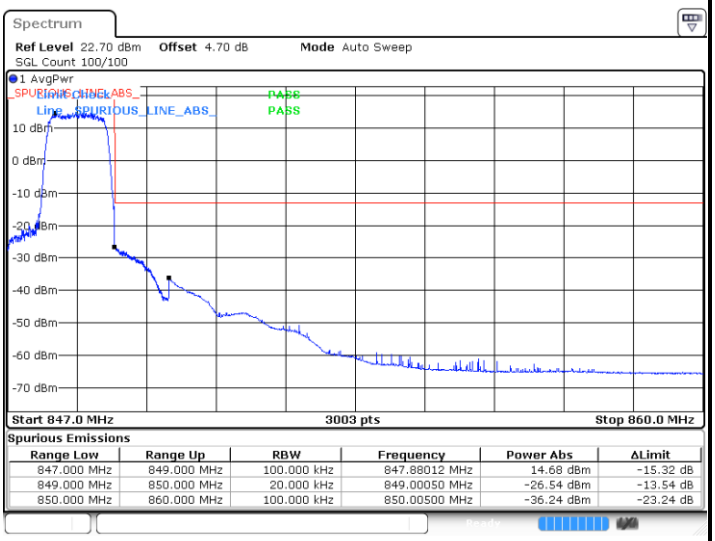


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-34.00 dBm	-21.00 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-26.98 dBm	-13.98 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.34865 MHz	14.62 dBm	-15.38 dB

Date: 3.FEB.2020 15:59:20

Highest Band Edge / Full RB



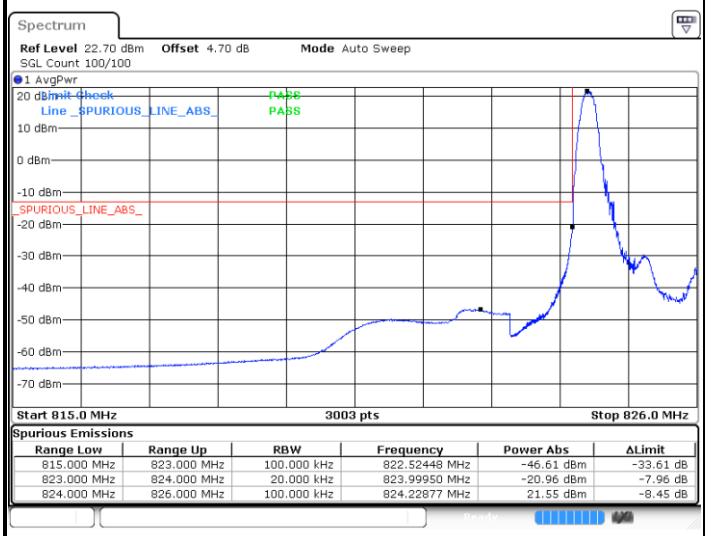
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	847.88012 MHz	14.68 dBm	-15.32 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-26.54 dBm	-13.54 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-36.24 dBm	-23.24 dB

Date: 3.FEB.2020 16:07:35

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

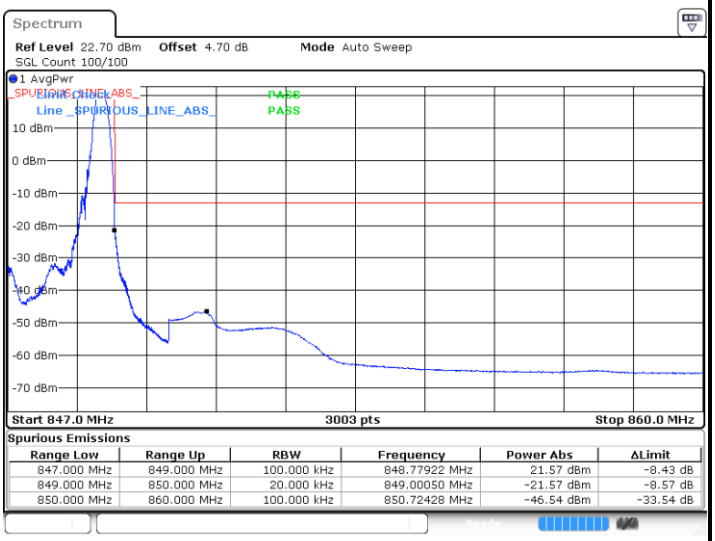


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.52448 MHz	-46.61 dBm	-33.61 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-20.96 dBm	-7.96 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.22877 MHz	21.55 dBm	-8.45 dB

Date: 3.FEB.2020 15:57:42

Highest Band Edge / 1 RB

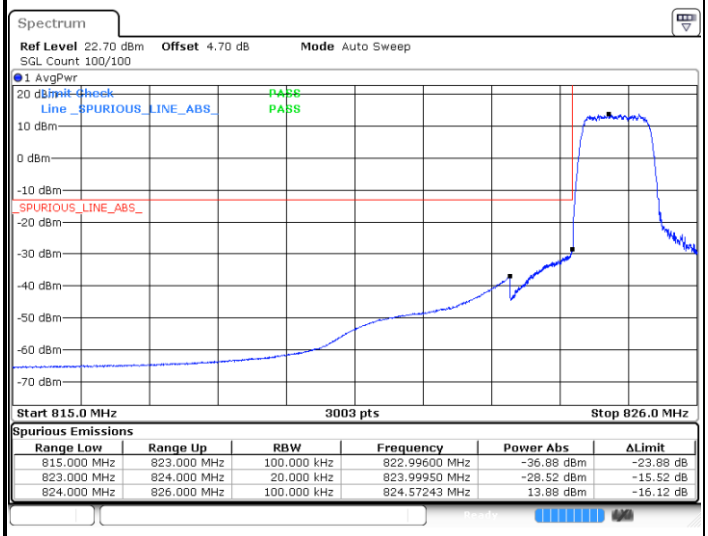


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.77922 MHz	21.57 dBm	-8.43 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-21.57 dBm	-8.57 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.72428 MHz	-46.54 dBm	-33.54 dB

Date: 3.FEB.2020 16:12:28

Lowest Band Edge / Full RB

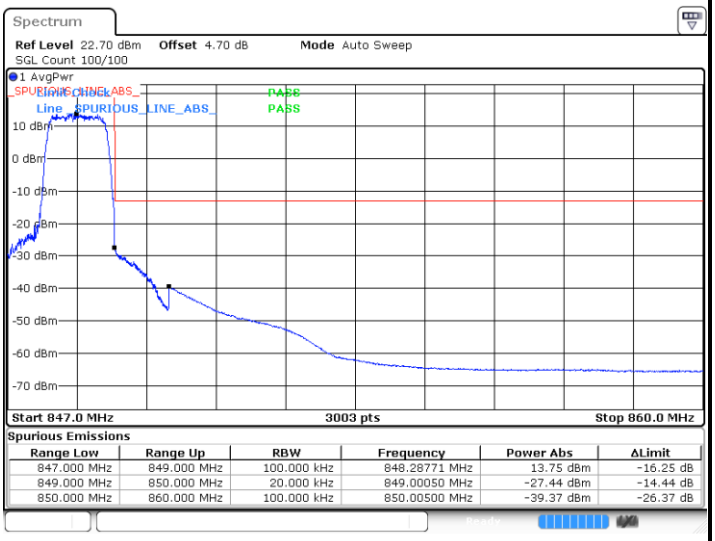


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-36.88 dBm	-23.88 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-28.52 dBm	-15.52 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.57243 MHz	13.88 dBm	-16.12 dB

Date: 3.FEB.2020 16:00:58

Highest Band Edge / Full RB



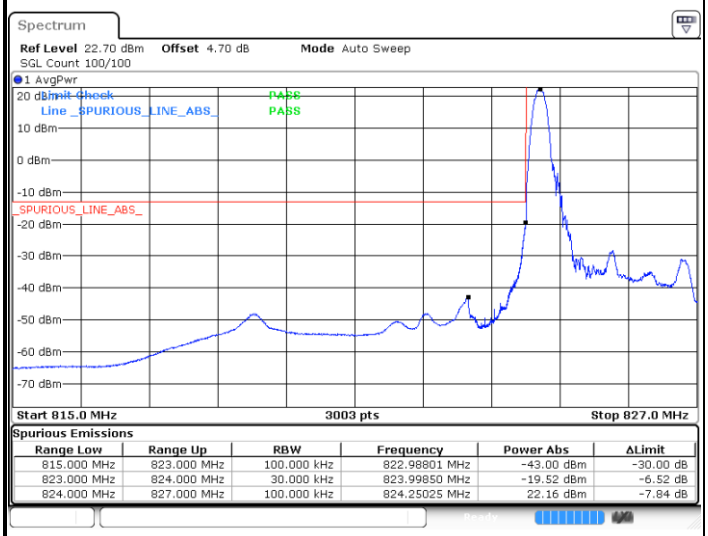
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.28771 MHz	13.75 dBm	-16.25 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-27.44 dBm	-14.44 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-39.37 dBm	-26.37 dB

Date: 3.FEB.2020 16:09:13

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

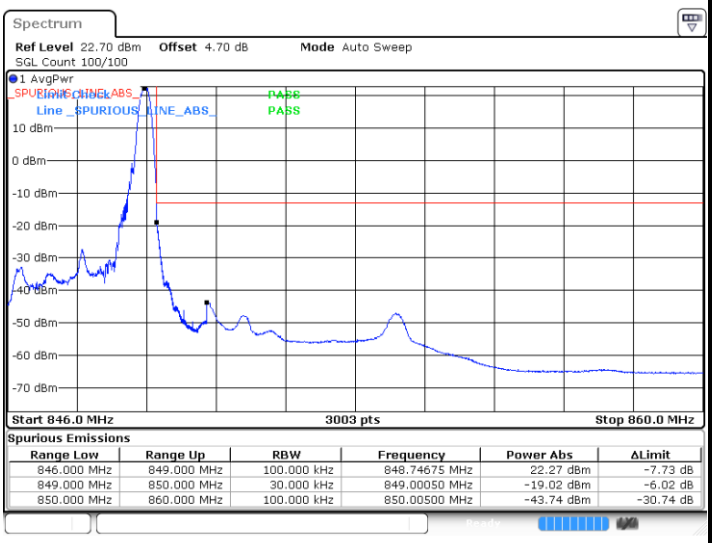


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-43.00 dBm	-30.00 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99850 MHz	-19.52 dBm	-6.52 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.25025 MHz	22.16 dBm	-7.84 dB

Date: 3.FEB.2020 16:16:35

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	848.74675 MHz	22.27 dBm	-7.73 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-19.02 dBm	-6.02 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-43.74 dBm	-30.74 dB

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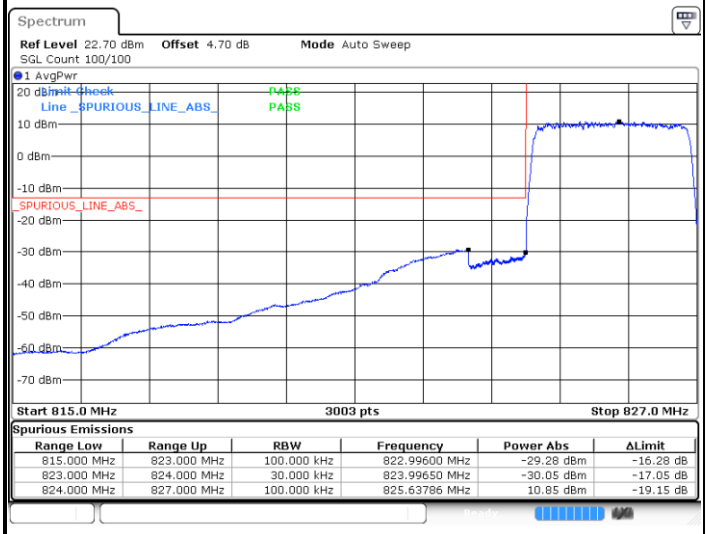
Lowest Band Edge / Full RB

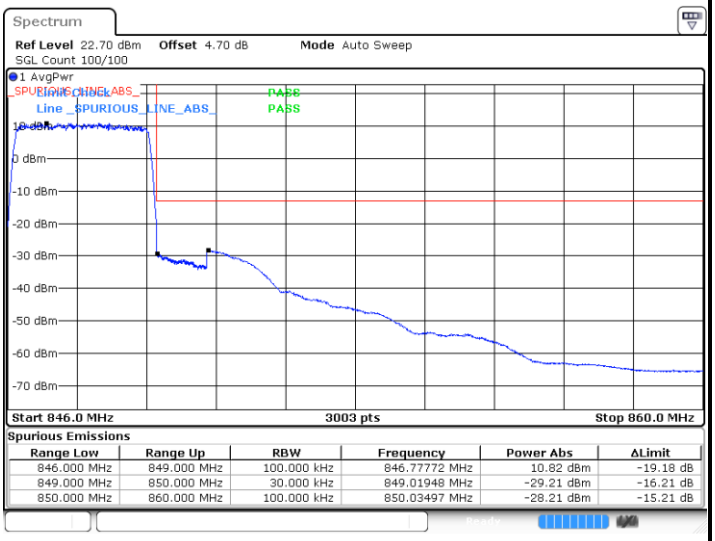


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-29.28 dBm	-16.28 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99650 MHz	-30.05 dBm	-17.05 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.63786 MHz	10.85 dBm	-19.15 dB

Date: 3.FEB.2020 16:19:51

Highest Band Edge / Full RB



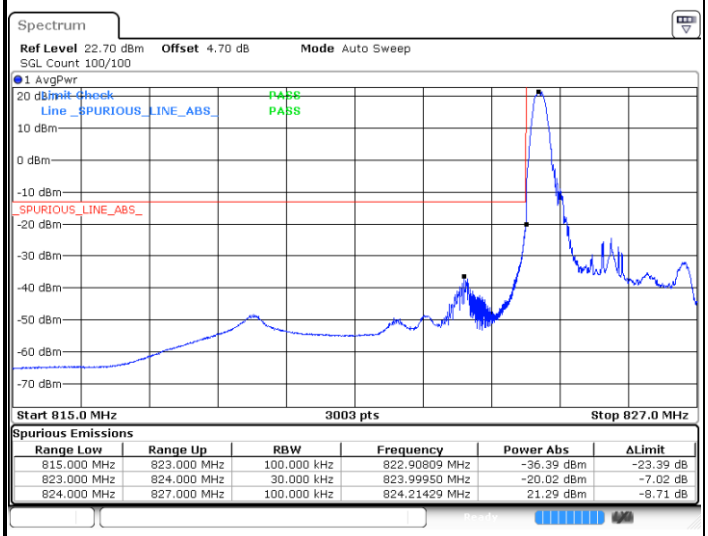
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.77772 MHz	10.82 dBm	-19.18 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.01948 MHz	-29.21 dBm	-16.21 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-28.21 dBm	-15.21 dB

Date: 3.FEB.2020 16:31:21

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

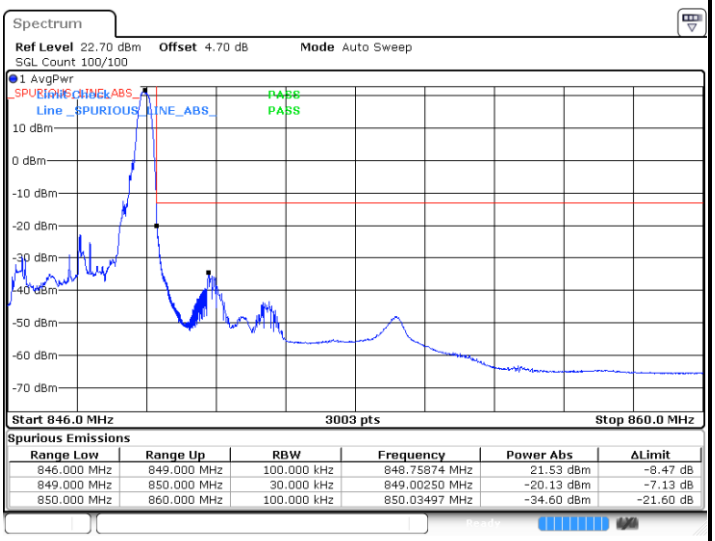


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90809 MHz	-36.39 dBm	-23.39 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-20.02 dBm	-7.02 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.21429 MHz	21.29 dBm	-8.71 dB

Date: 3.FEB.2020 16:18:13

Highest Band Edge /1 RB

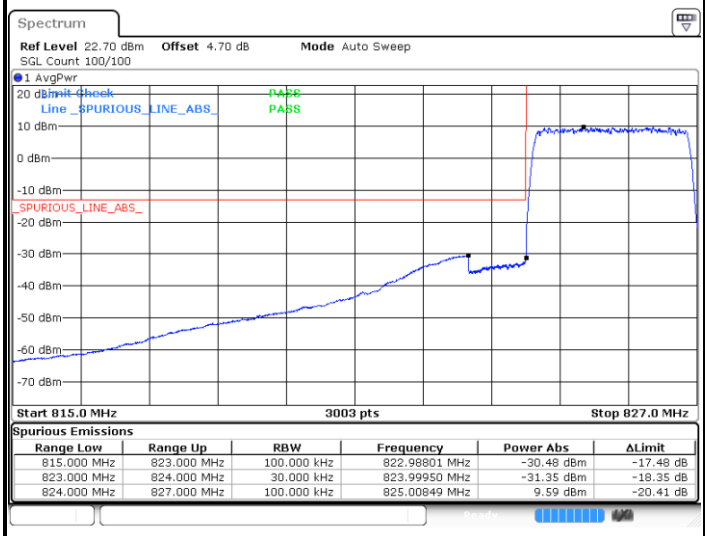


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.75874 MHz	21.53 dBm	-8.47 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00250 MHz	-20.13 dBm	-7.13 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-34.60 dBm	-21.60 dB

Date: 3.FEB.2020 16:29:43

Lowest Band Edge / Full RB

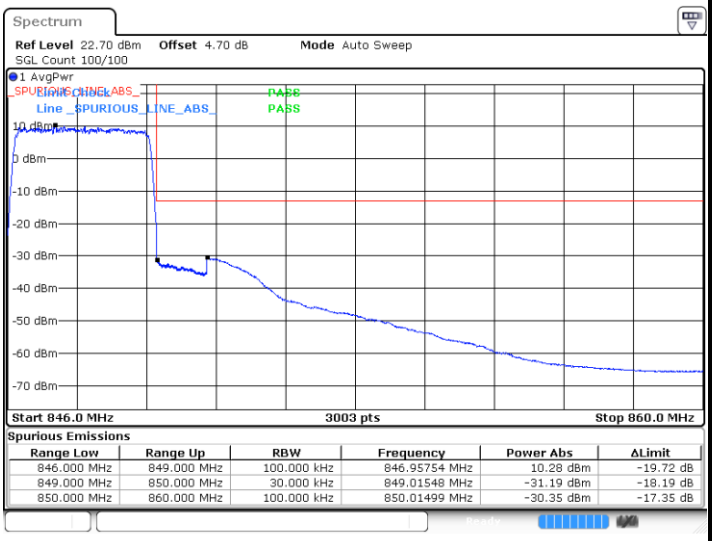


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-30.48 dBm	-17.48 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-31.35 dBm	-18.35 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.00849 MHz	9.59 dBm	-20.41 dB

Date: 3.FEB.2020 16:21:28

Highest Band Edge / Full RB



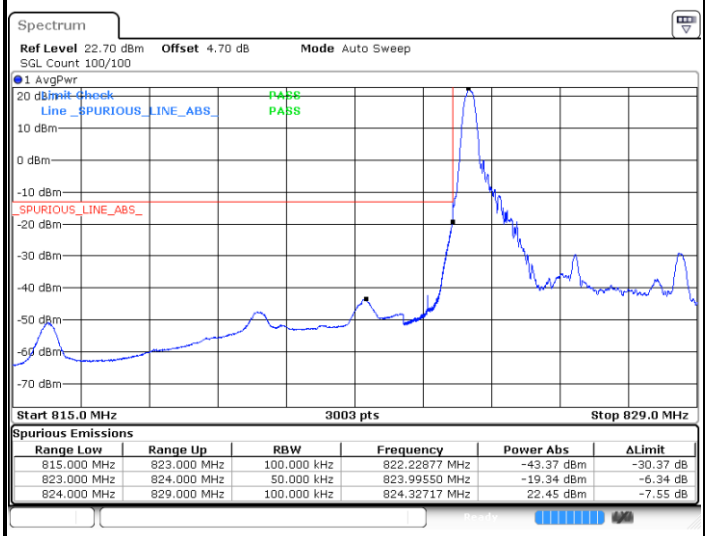
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.95754 MHz	10.28 dBm	-19.72 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.01548 MHz	-31.19 dBm	-18.19 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-30.35 dBm	-17.35 dB

Date: 3.FEB.2020 16:32:58

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

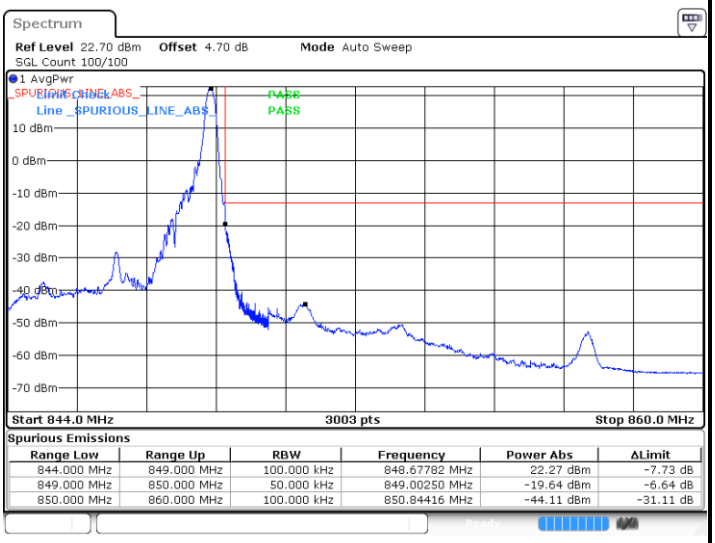


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.22877 MHz	-43.37 dBm	-30.37 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99550 MHz	-19.34 dBm	-6.34 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.32717 MHz	22.45 dBm	-7.55 dB

Date: 3.FEB.2020 16:37:06

Highest Band Edge / 1 RB

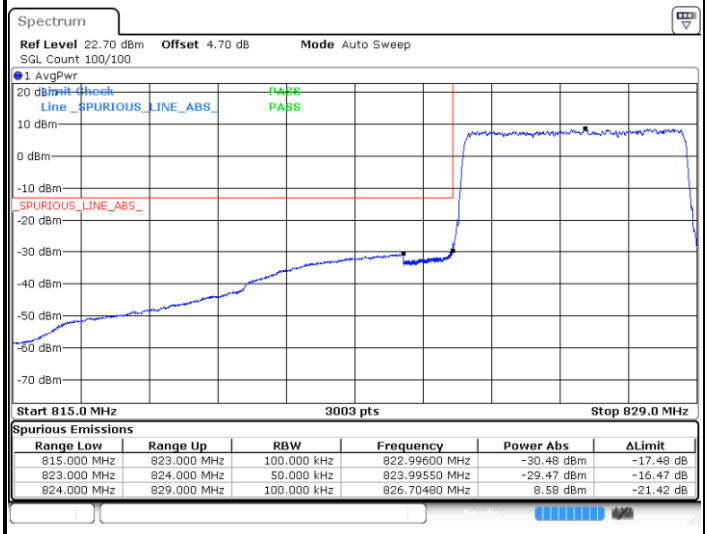


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.67782 MHz	22.27 dBm	-7.73 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00250 MHz	-19.64 dBm	-6.64 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.84416 MHz	-44.11 dBm	-31.11 dB

Date: 3.FEB.2020 16:48:37

Lowest Band Edge / Full RB

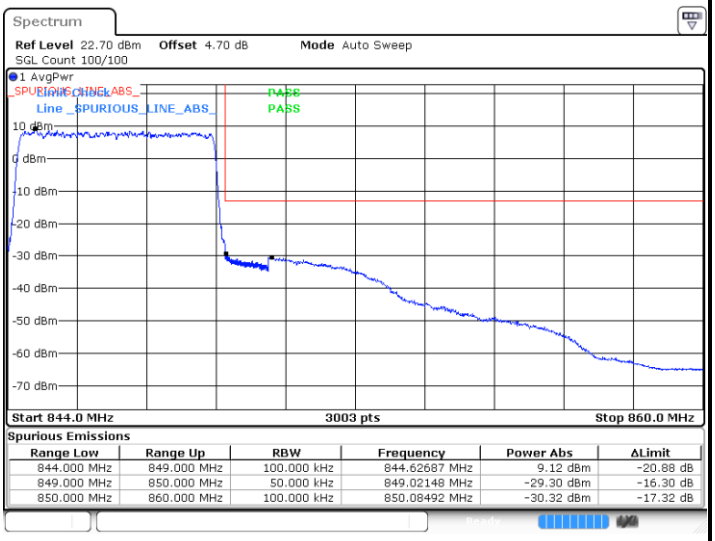


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-30.48 dBm	-17.48 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99550 MHz	-29.47 dBm	-16.47 dB
824.000 MHz	829.000 MHz	100.000 kHz	826.70480 MHz	8.58 dBm	-21.42 dB

Date: 3.FEB.2020 16:40:21

Highest Band Edge / Full RB



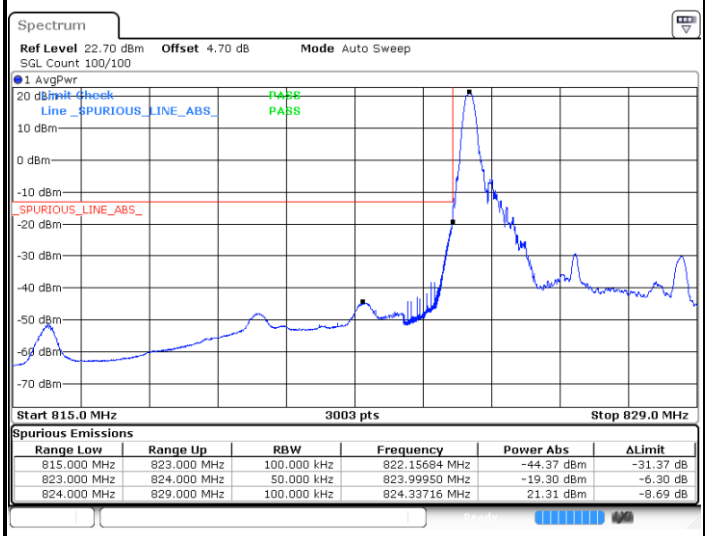
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.62687 MHz	9.12 dBm	-20.88 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.02148 MHz	-29.30 dBm	-16.30 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.08492 MHz	-30.32 dBm	-17.32 dB

Date: 3.FEB.2020 16:51:52

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

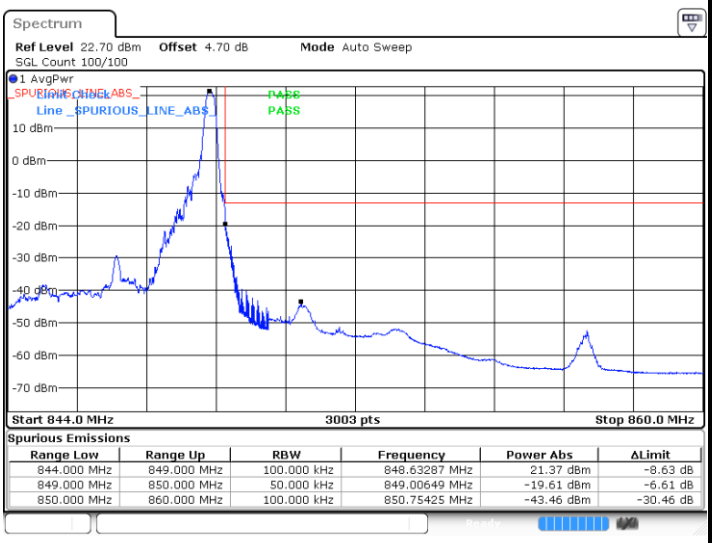


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.15684 MHz	-44.37 dBm	-31.37 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-19.30 dBm	-6.30 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.33716 MHz	21.31 dBm	-8.69 dB

Date: 3.FEB.2020 16:38:44

Highest Band Edge / 1 RB

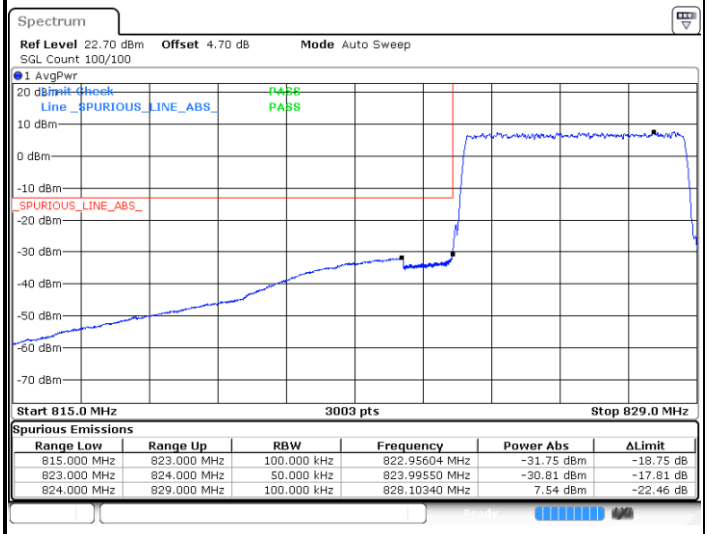


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.63287 MHz	21.37 dBm	-8.63 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00649 MHz	-19.61 dBm	-6.61 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.75425 MHz	-43.46 dBm	-30.46 dB

Date: 3.FEB.2020 16:50:14

Lowest Band Edge / Full RB

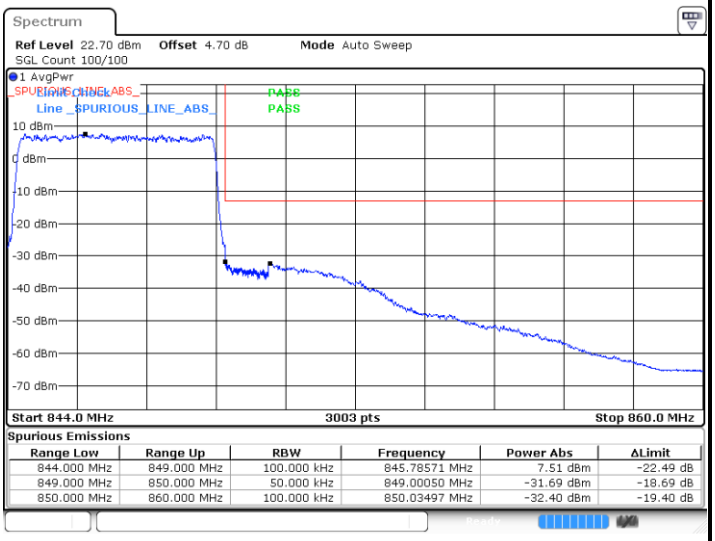


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-31.75 dBm	-18.75 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99550 MHz	-30.81 dBm	-17.81 dB
824.000 MHz	829.000 MHz	100.000 kHz	828.10340 MHz	7.54 dBm	-22.46 dB

Date: 3.FEB.2020 16:41:59

Highest Band Edge / Full RB



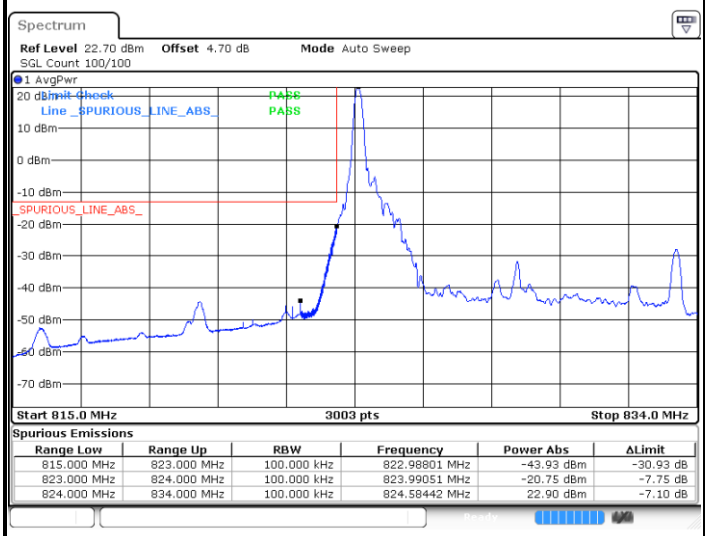
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.78571 MHz	7.51 dBm	-22.49 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-31.69 dBm	-18.69 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-32.40 dBm	-19.40 dB

Date: 3.FEB.2020 16:53:29

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

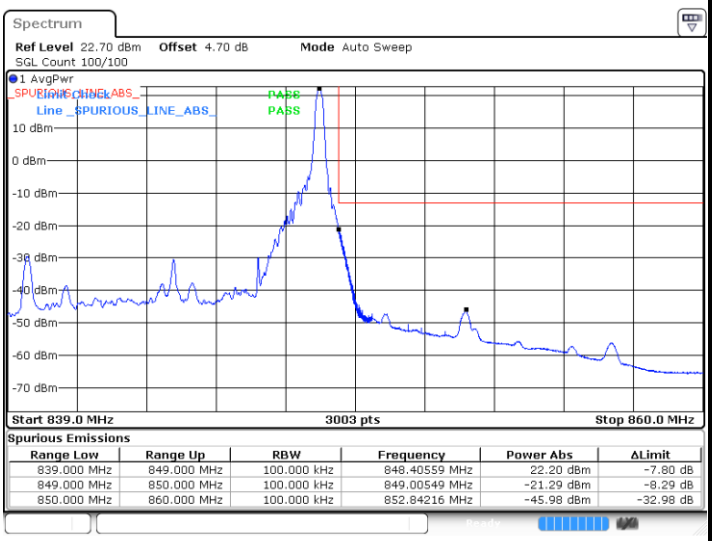


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-43.93 dBm	-30.93 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99051 MHz	-20.75 dBm	-7.75 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.58442 MHz	22.90 dBm	-7.10 dB

Date: 3.FEB.2020 16:59:22

Highest Band Edge / 1 RB

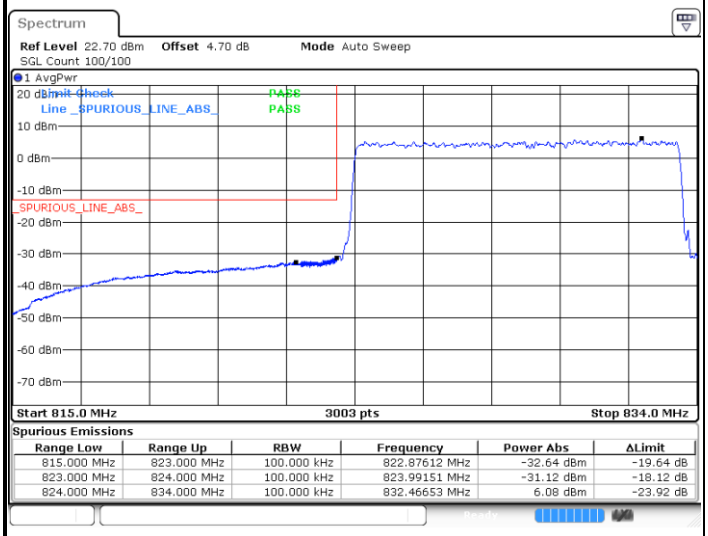


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.40559 MHz	22.20 dBm	-7.80 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00549 MHz	-21.29 dBm	-8.29 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.84216 MHz	-45.98 dBm	-32.98 dB

Date: 3.FEB.2020 17:10:53

Lowest Band Edge / Full RB

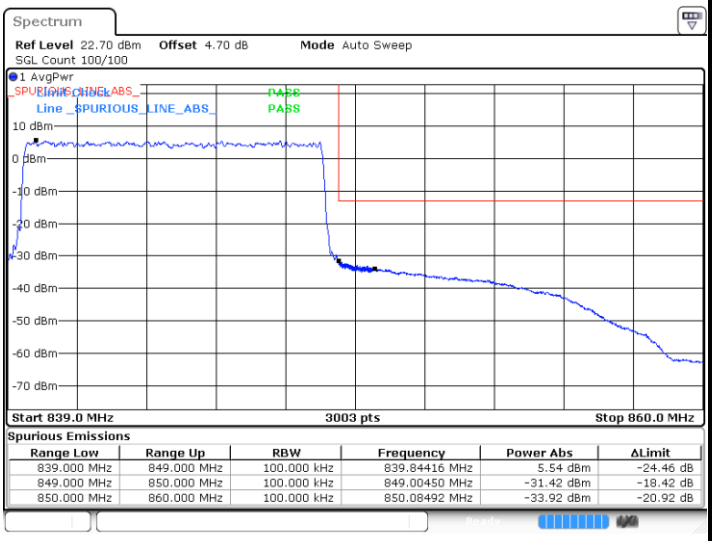


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.87612 MHz	-32.64 dBm	-19.64 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99151 MHz	-31.12 dBm	-18.12 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.46653 MHz	6.08 dBm	-23.92 dB

Date: 3.FEB.2020 17:02:38

Highest Band Edge / Full RB



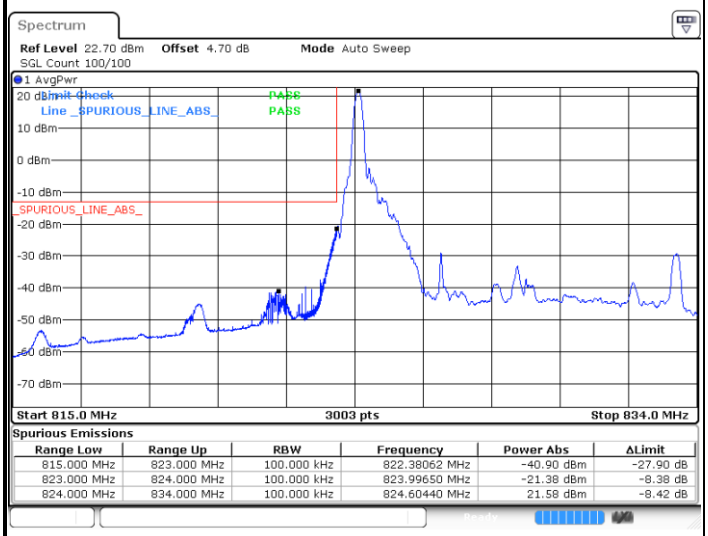
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	839.84416 MHz	5.54 dBm	-24.46 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00450 MHz	-31.42 dBm	-18.42 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.08492 MHz	-33.92 dBm	-20.92 dB

Date: 3.FEB.2020 17:14:08

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

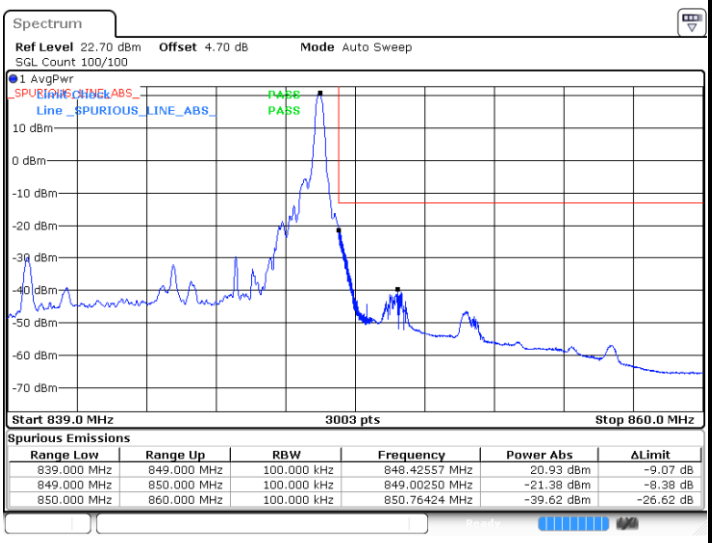


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.38062 MHz	-40.90 dBm	-27.90 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99650 MHz	-21.38 dBm	-8.38 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.60440 MHz	21.58 dBm	-8.42 dB

Date: 3.FEB.2020 17:01:00

Highest Band Edge / 1 RB

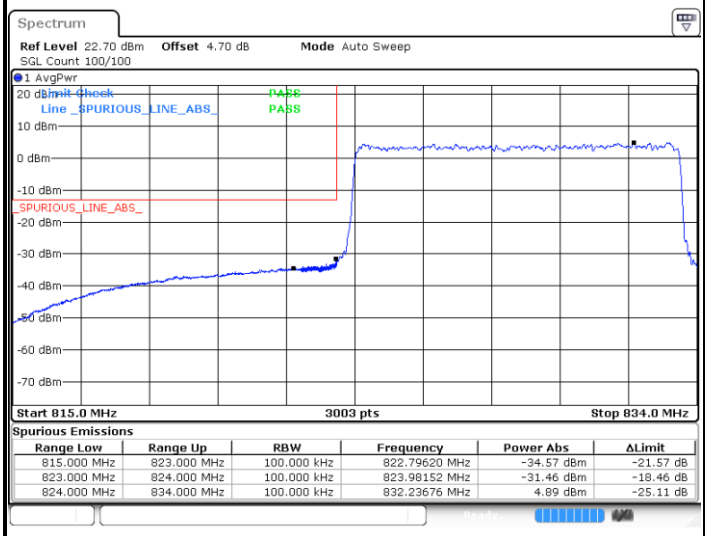


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.42557 MHz	20.93 dBm	-9.07 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00250 MHz	-21.38 dBm	-8.38 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.76424 MHz	-39.62 dBm	-26.62 dB

Date: 3.FEB.2020 17:12:30

Lowest Band Edge / Full RB

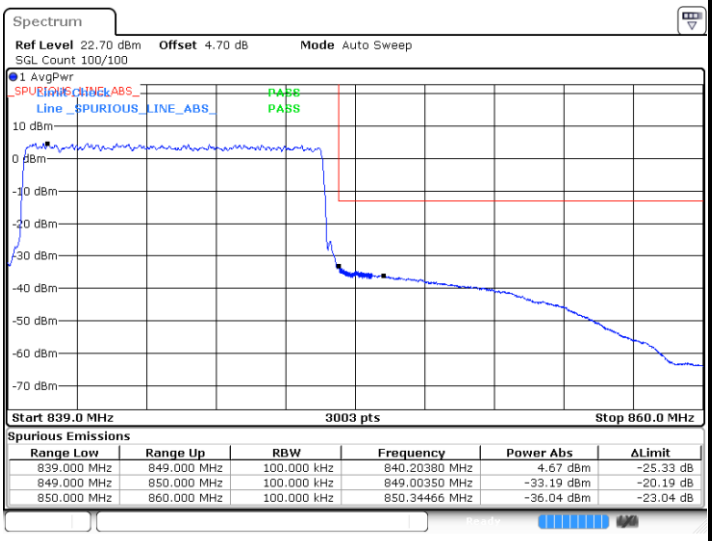


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.79620 MHz	-34.57 dBm	-21.57 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98152 MHz	-31.46 dBm	-18.46 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.23676 MHz	4.89 dBm	-25.11 dB

Date: 3.FEB.2020 17:04:15

Highest Band Edge / Full RB



Spurious Emissions

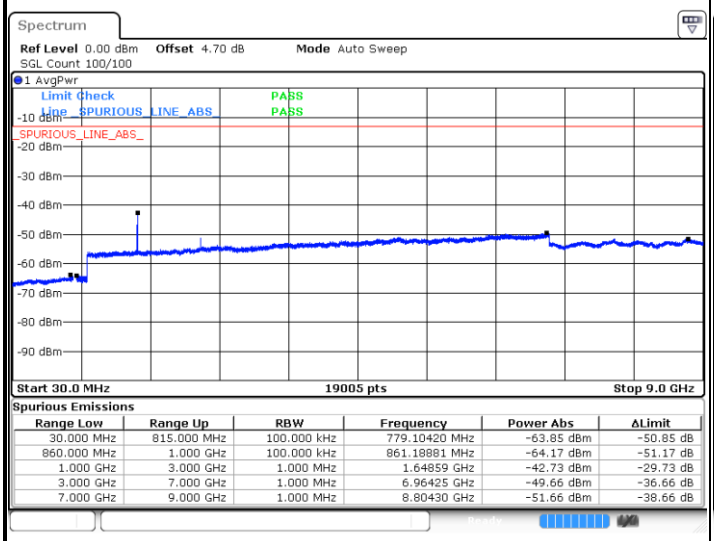
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	840.20380 MHz	4.67 dBm	-25.33 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00350 MHz	-33.19 dBm	-20.19 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.34466 MHz	-36.04 dBm	-23.04 dB

Date: 3.FEB.2020 17:15:46

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

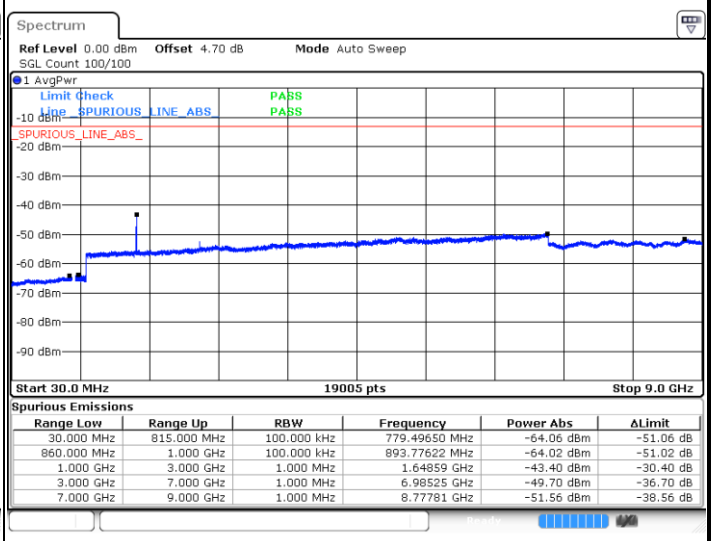


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.10420 MHz	-63.85 dBm	-50.85 dB
860.000 MHz	1.000 GHz	100.000 kHz	861.18881 MHz	-64.17 dBm	-51.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-42.73 dBm	-29.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96425 GHz	-49.66 dBm	-36.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80430 GHz	-51.66 dBm	-38.66 dB

Date: 3.FEB.2020 16:01:51

Lowest Channel / 16QAM

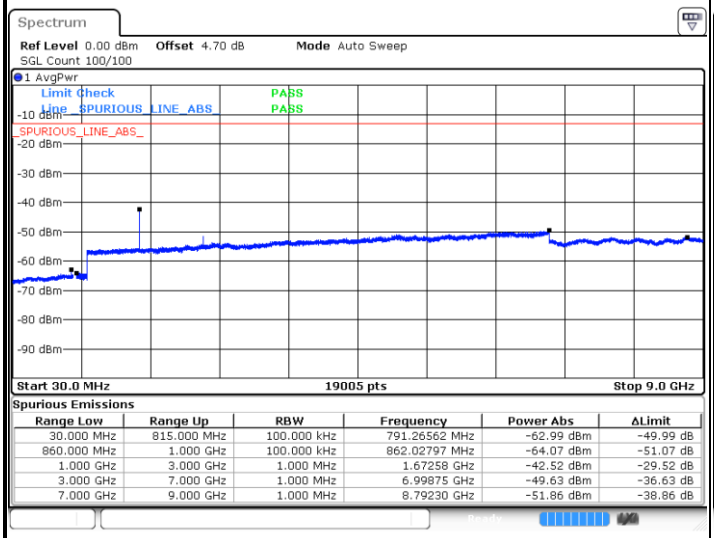


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.49650 MHz	-64.06 dBm	-51.06 dB
860.000 MHz	1.000 GHz	100.000 kHz	893.77622 MHz	-64.02 dBm	-51.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-43.40 dBm	-30.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-49.70 dBm	-36.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77781 GHz	-51.56 dBm	-38.56 dB

Date: 3.FEB.2020 16:02:46

Middle Channel / QPSK

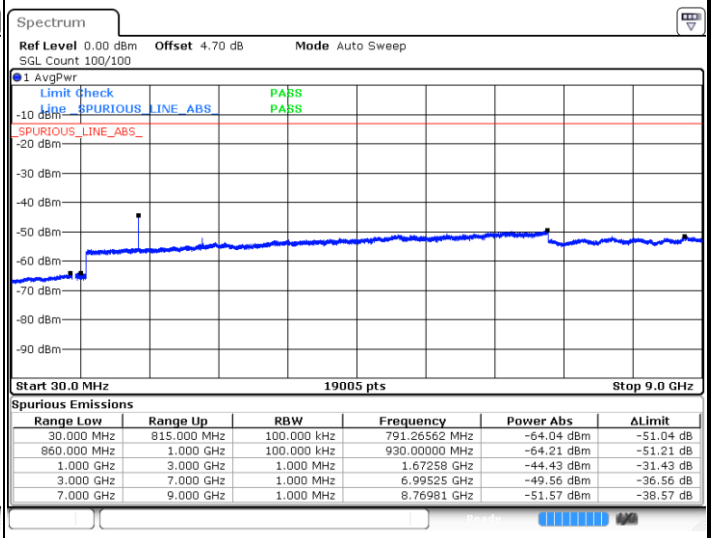


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	791.26562 MHz	-62.99 dBm	-49.99 dB
860.000 MHz	1.000 GHz	100.000 kHz	862.02797 MHz	-64.07 dBm	-51.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-42.52 dBm	-29.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-49.63 dBm	-36.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79230 GHz	-51.86 dBm	-38.86 dB

Date: 3.FEB.2020 16:04:21

Middle Channel / 16QAM



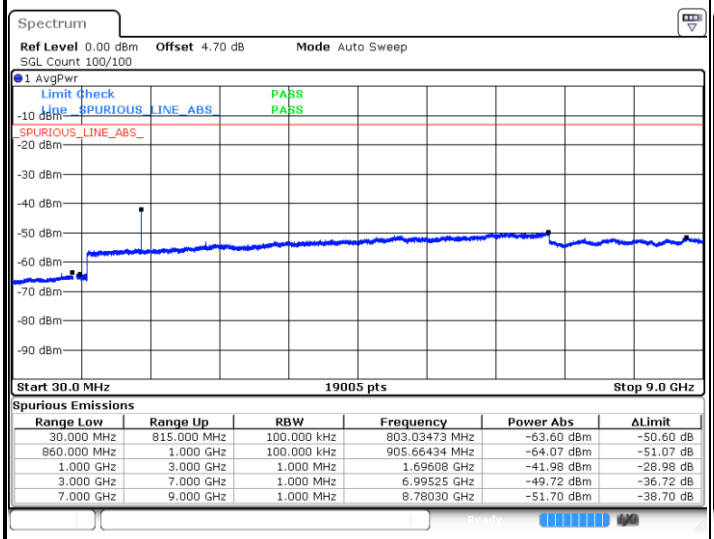
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	791.26562 MHz	-64.04 dBm	-51.04 dB
860.000 MHz	1.000 GHz	100.000 kHz	930.00000 MHz	-64.21 dBm	-51.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-44.43 dBm	-31.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-49.56 dBm	-36.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76981 GHz	-51.57 dBm	-38.57 dB

Date: 3.FEB.2020 16:05:16

LTE Band 5 / 1.4MHz

Highest Channel / QPSK

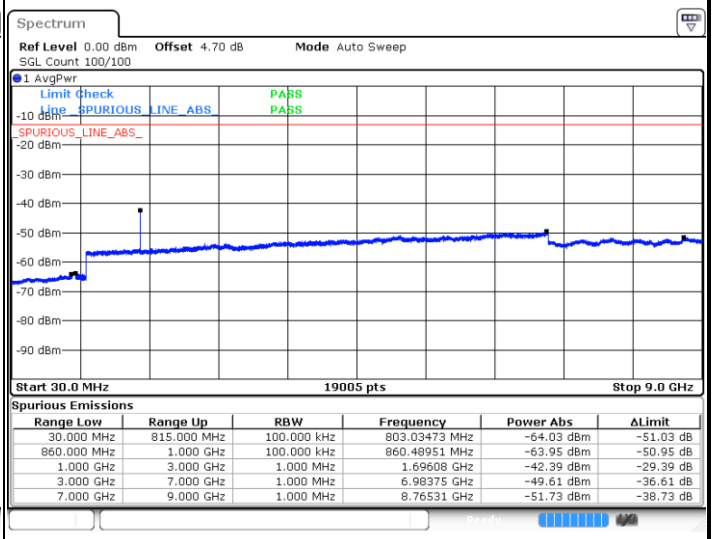


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.03473 MHz	-63.60 dBm	-50.60 dB
860.000 MHz	1.000 GHz	100.000 kHz	905.66434 MHz	-64.07 dBm	-51.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-41.98 dBm	-28.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-49.72 dBm	-36.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78030 GHz	-51.70 dBm	-38.70 dB

Date: 3.FEB.2020 16:13:22

Highest Channel / 16QAM



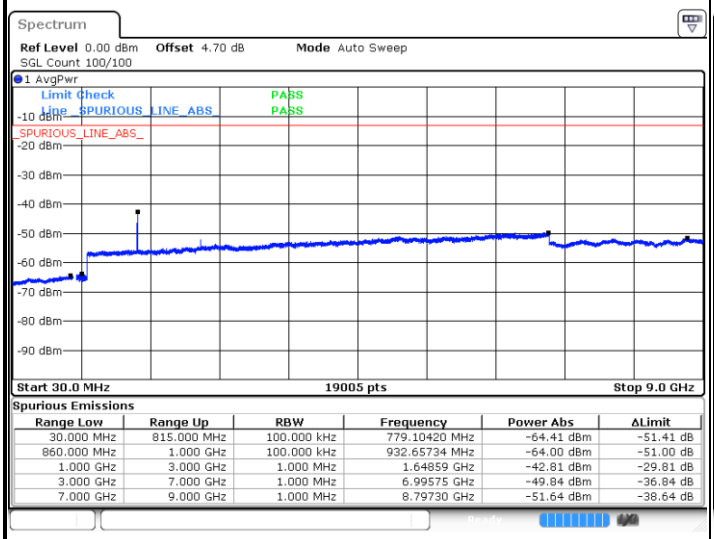
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.03473 MHz	-64.03 dBm	-51.03 dB
860.000 MHz	1.000 GHz	100.000 kHz	860.48951 MHz	-63.95 dBm	-50.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-42.39 dBm	-29.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-49.61 dBm	-36.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76531 GHz	-51.73 dBm	-38.73 dB

Date: 3.FEB.2020 16:14:16

LTE Band 5 / 3MHz

Lowest Channel / QPSK

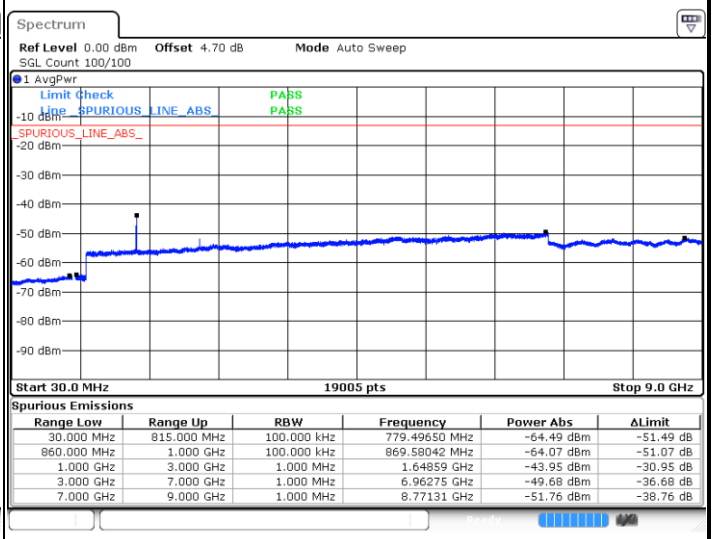


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.10420 MHz	-64.41 dBm	-51.41 dB
860.000 MHz	1.000 GHz	100.000 kHz	932.65734 MHz	-64.00 dBm	-51.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-42.81 dBm	-29.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-49.84 dBm	-36.84 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79730 GHz	-51.64 dBm	-38.64 dB

Date: 3.FEB.2020 16:22:22

Lowest Channel / 16QAM



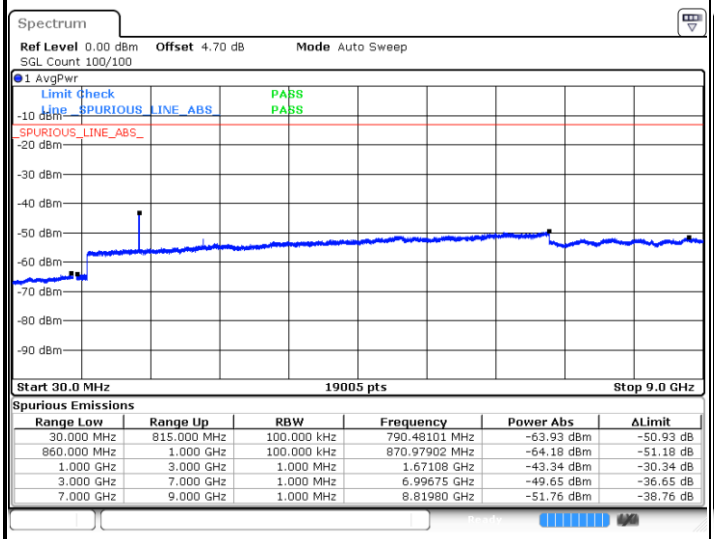
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.49650 MHz	-64.49 dBm	-51.49 dB
860.000 MHz	1.000 GHz	100.000 kHz	869.58042 MHz	-64.07 dBm	-51.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-43.95 dBm	-30.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96275 GHz	-49.68 dBm	-36.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77131 GHz	-51.76 dBm	-38.76 dB

Date: 3.FEB.2020 16:23:17

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	790.48101 MHz	-63.93 dBm	-50.93 dB
860.000 MHz	1.000 GHz	100.000 kHz	870.97902 MHz	-64.18 dBm	-51.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-43.34 dBm	-30.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-49.65 dBm	-36.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.81980 GHz	-51.76 dBm	-38.76 dB

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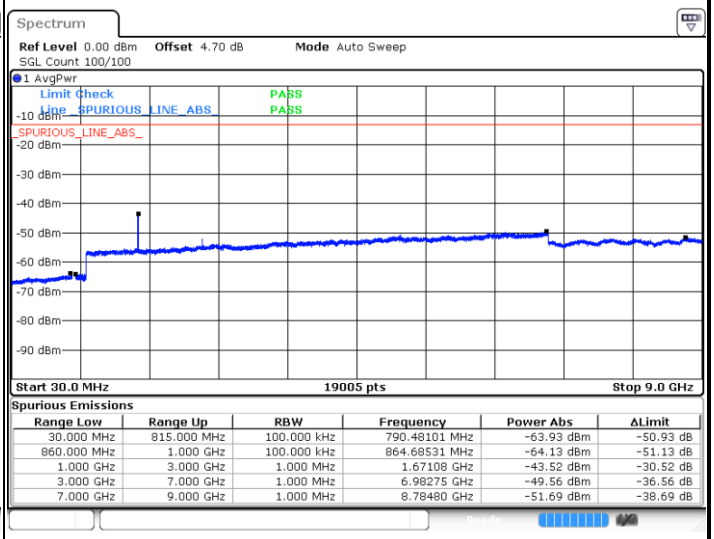
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	790.48101 MHz	-63.93 dBm	-50.93 dB
860.000 MHz	1.000 GHz	100.000 kHz	864.68531 MHz	-64.13 dBm	-51.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-43.52 dBm	-30.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98275 GHz	-49.56 dBm	-36.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78480 GHz	-51.69 dBm	-38.69 dB

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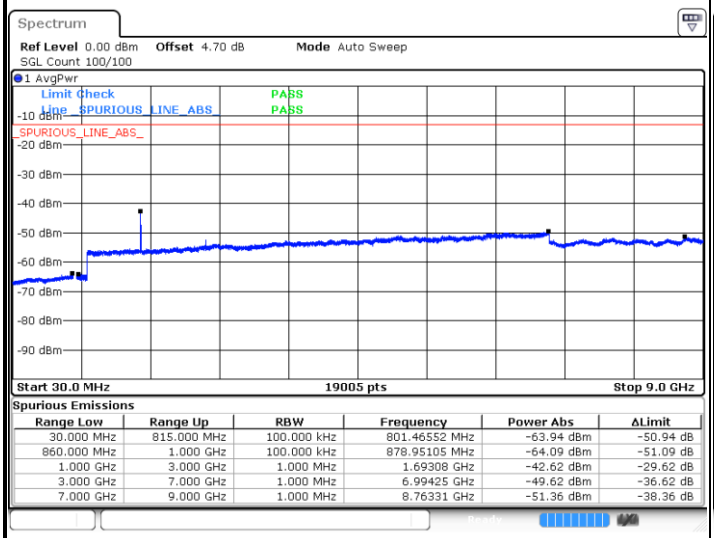
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	801.46552 MHz	-63.94 dBm	-50.94 dB
860.000 MHz	1.000 GHz	100.000 kHz	878.95105 MHz	-64.09 dBm	-51.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69308 GHz	-42.62 dBm	-29.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76331 GHz	-51.36 dBm	-38.36 dB

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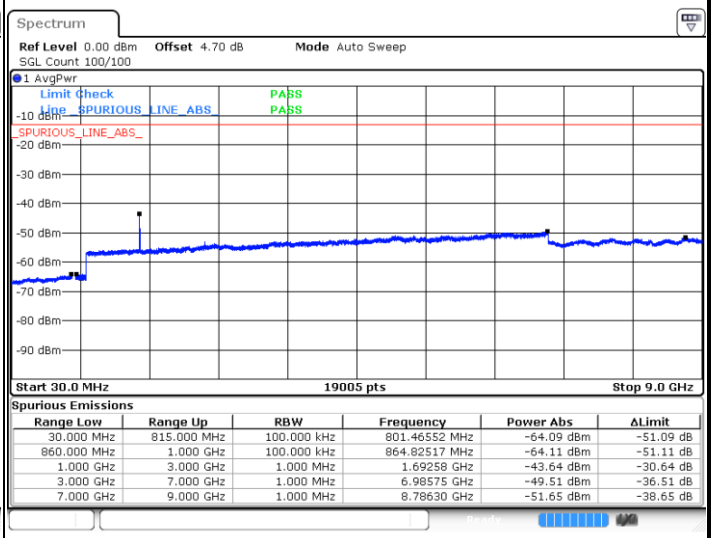
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	801.46552 MHz	-64.09 dBm	-51.09 dB
860.000 MHz	1.000 GHz	100.000 kHz	864.82517 MHz	-64.11 dBm	-51.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-43.64 dBm	-30.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-49.51 dBm	-36.51 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78630 GHz	-51.65 dBm	-38.65 dB

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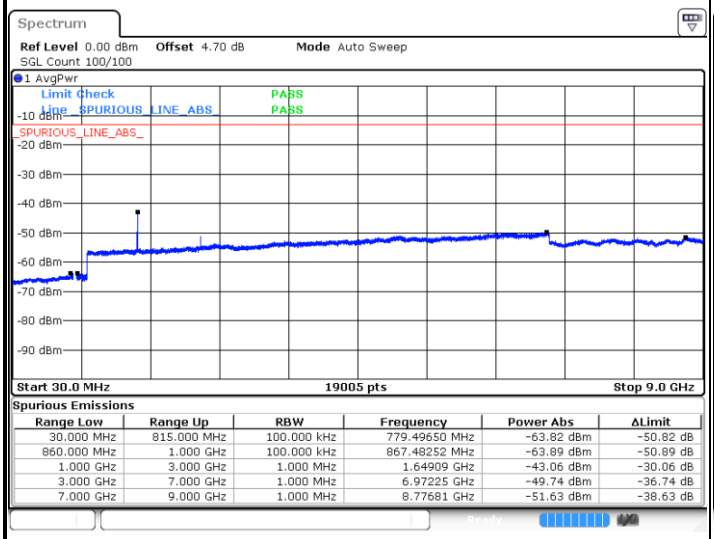
LTE Band 5 / 5MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.49650 MHz	-63.82 dBm	-50.82 dB
860.000 MHz	1.000 GHz	100.000 kHz	867.48252 MHz	-63.89 dBm	-50.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-43.06 dBm	-30.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97225 GHz	-49.74 dBm	-36.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77681 GHz	-51.63 dBm	-38.63 dB

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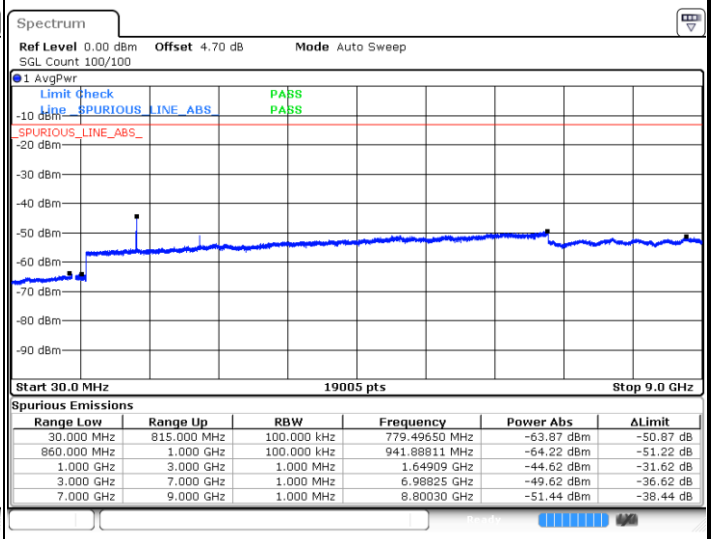
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.49650 MHz	-63.87 dBm	-50.87 dB
860.000 MHz	1.000 GHz	100.000 kHz	941.88811 MHz	-64.22 dBm	-51.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-44.62 dBm	-31.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80030 GHz	-51.44 dBm	-38.44 dB

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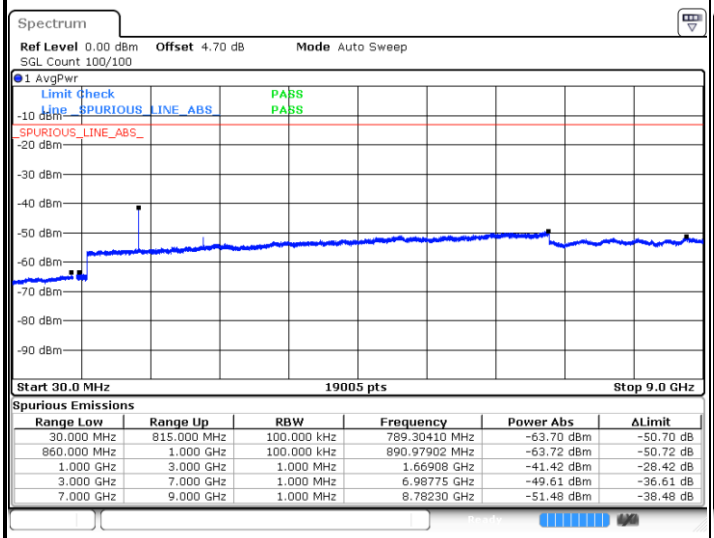
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	789.30410 MHz	-63.70 dBm	-50.70 dB
860.000 MHz	1.000 GHz	100.000 kHz	890.97902 MHz	-63.72 dBm	-50.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-41.42 dBm	-28.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-49.61 dBm	-36.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78230 GHz	-51.48 dBm	-38.48 dB

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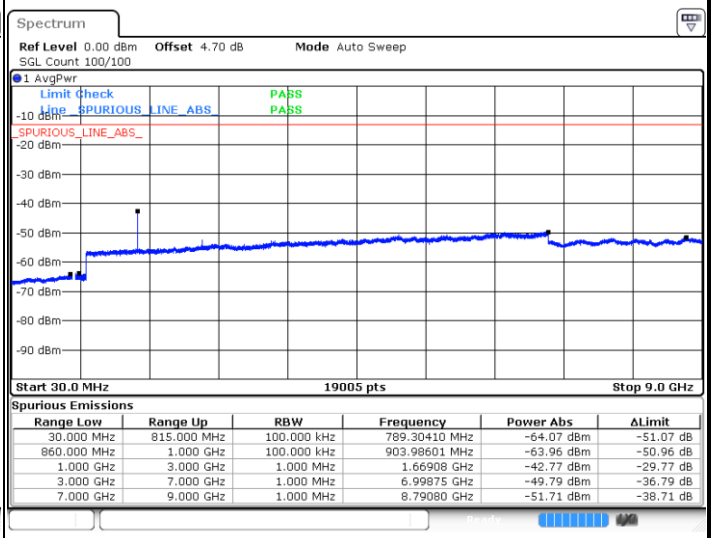
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	789.30410 MHz	-64.07 dBm	-51.07 dB
860.000 MHz	1.000 GHz	100.000 kHz	903.98601 MHz	-63.96 dBm	-50.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-42.77 dBm	-29.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-49.79 dBm	-36.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79080 GHz	-51.71 dBm	-38.71 dB

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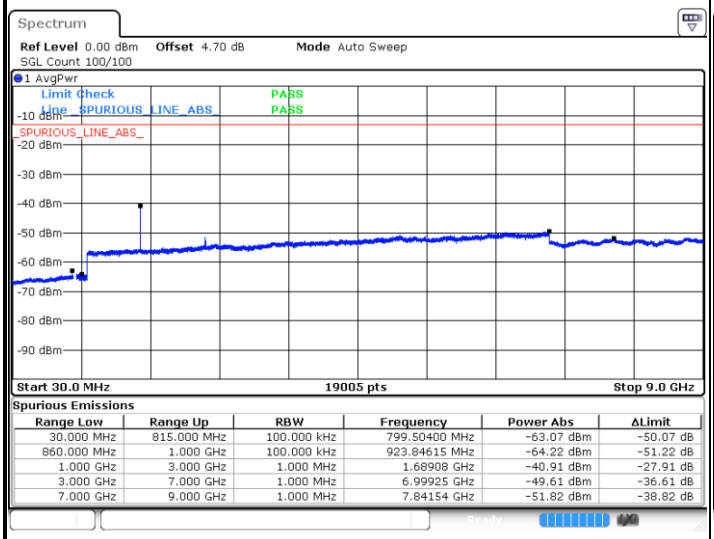
LTE Band 5 / 5MHz

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	799.50400 MHz	-63.07 dBm	-50.07 dB
860.000 MHz	1.000 GHz	100.000 kHz	923.84615 MHz	-64.22 dBm	-51.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-40.91 dBm	-27.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-49.61 dBm	-36.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.84154 GHz	-51.82 dBm	-38.82 dB

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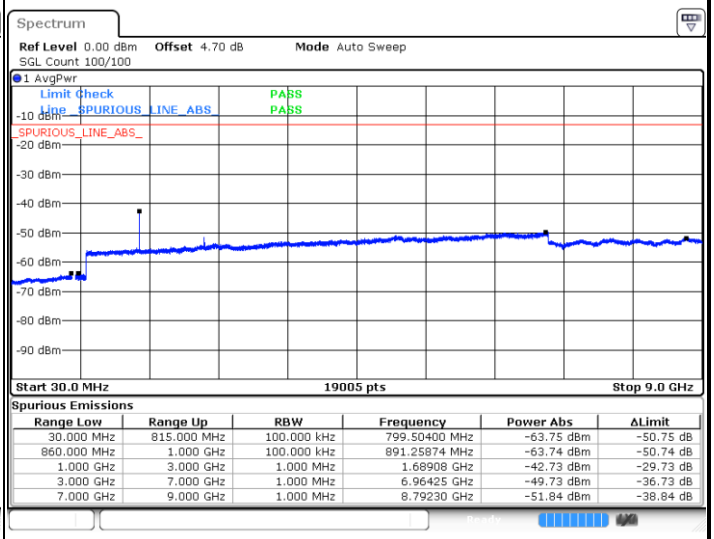
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	799.50400 MHz	-63.75 dBm	-50.75 dB
860.000 MHz	1.000 GHz	100.000 kHz	891.25874 MHz	-63.74 dBm	-50.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-42.73 dBm	-29.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96425 GHz	-49.73 dBm	-36.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79230 GHz	-51.84 dBm	-38.84 dB

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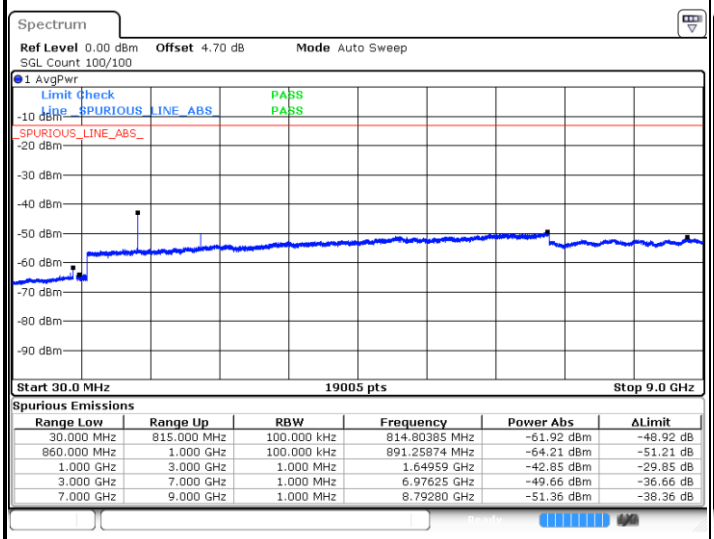
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-61.92 dBm	-48.92 dB
860.000 MHz	1.000 GHz	100.000 kHz	891.25874 MHz	-64.21 dBm	-51.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-42.85 dBm	-29.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97625 GHz	-49.66 dBm	-36.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79280 GHz	-51.36 dBm	-38.36 dB

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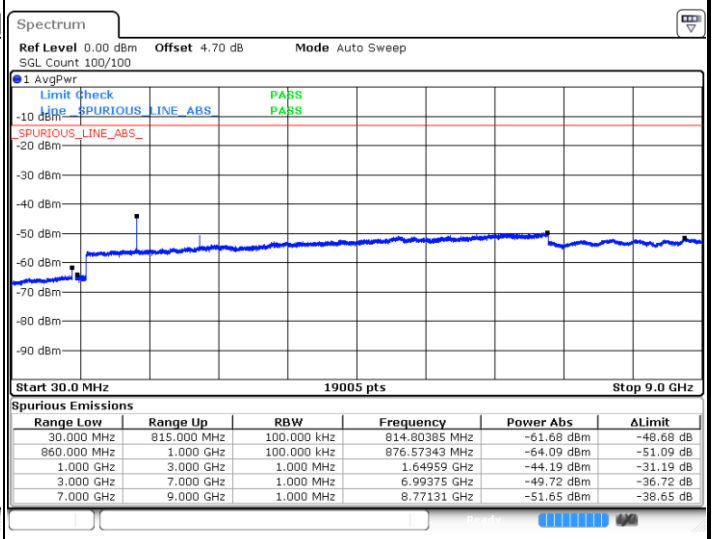
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-61.68 dBm	-48.68 dB
860.000 MHz	1.000 GHz	100.000 kHz	876.57343 MHz	-64.09 dBm	-51.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-44.19 dBm	-31.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-49.72 dBm	-36.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77131 GHz	-51.65 dBm	-38.65 dB

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