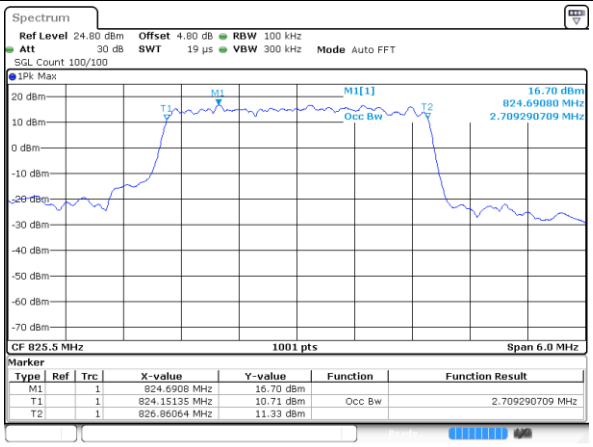
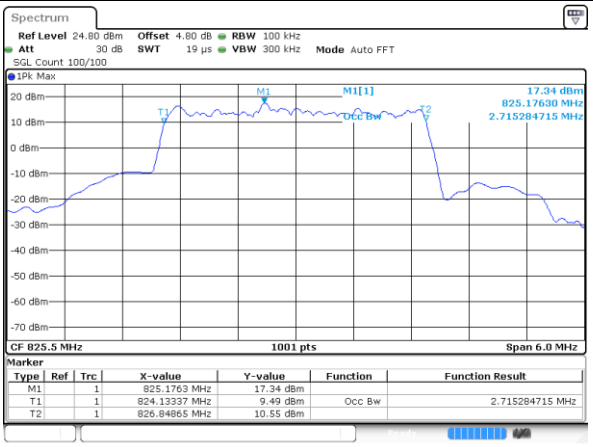
LTE Band 5

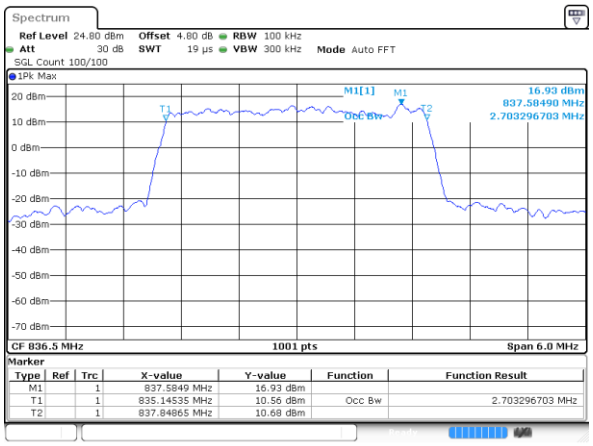
Lowest Channel / 3MHz / QPSK



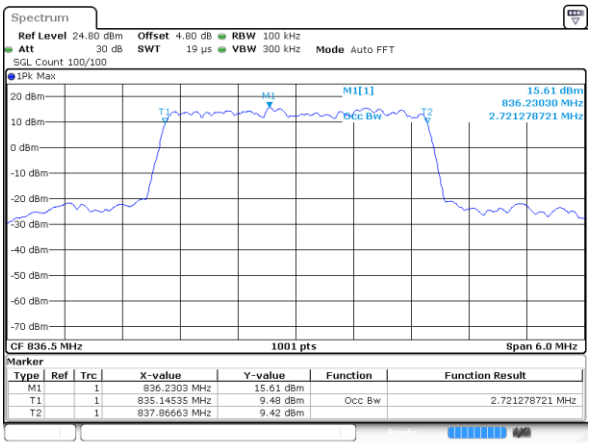
Lowest Channel / 3MHz / 16QAM



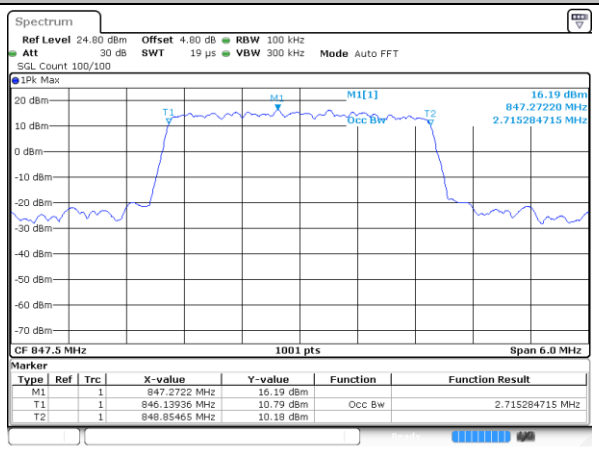
Middle Channel / 3MHz / QPSK



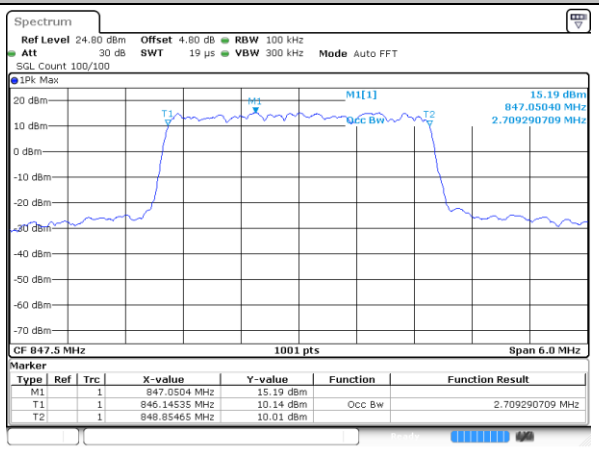
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

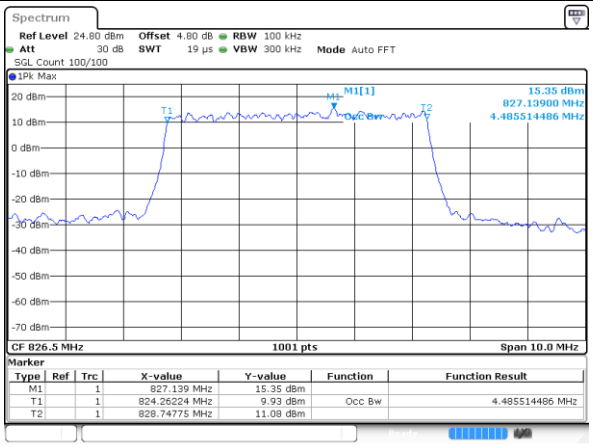


Highest Channel / 3MHz / 16QAM



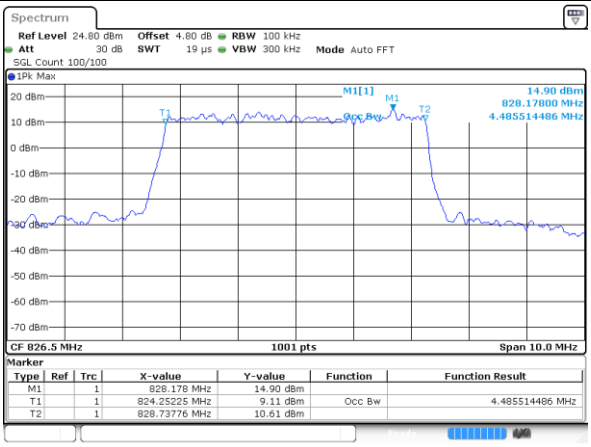
LTE Band 5

Lowest Channel / 5MHz / QPSK



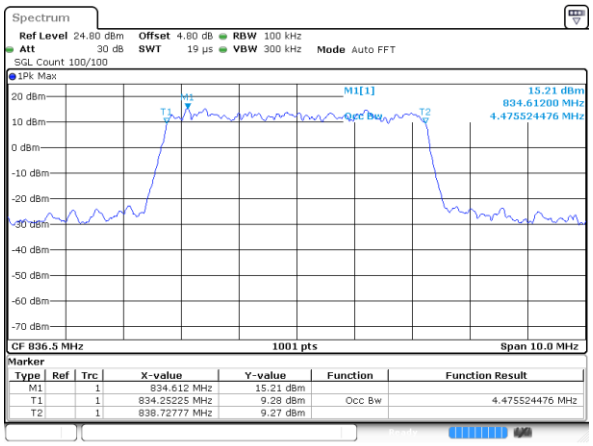
Date: 28.JAN.2020 00:57:27

Lowest Channel / 5MHz / 16QAM



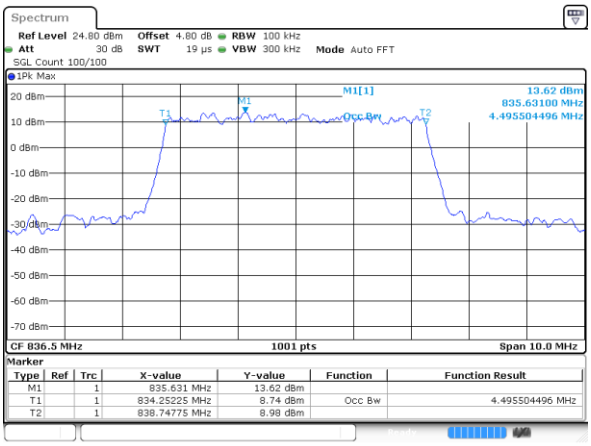
Date: 28.JAN.2020 00:57:37

Middle Channel / 5MHz / QPSK



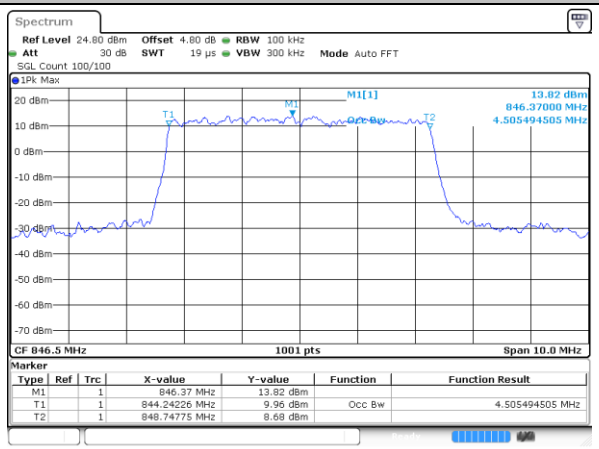
Date: 28.JAN.2020 01:06:25

Middle Channel / 5MHz / 16QAM



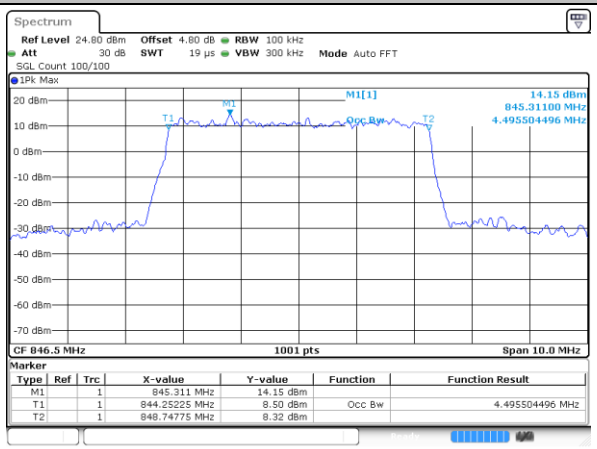
Date: 28.JAN.2020 01:06:35

Highest Channel / 5MHz / QPSK



Date: 28.JAN.2020 01:08:54

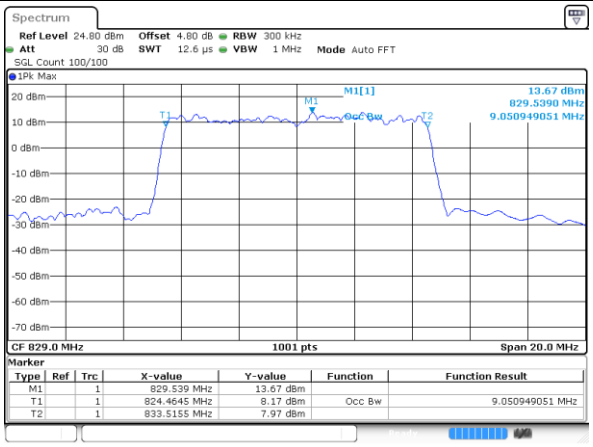
Highest Channel / 5MHz / 16QAM



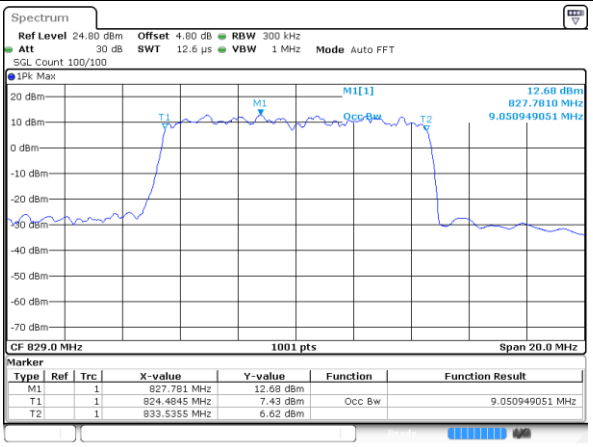
Date: 28.JAN.2020 01:09:04

LTE Band 5

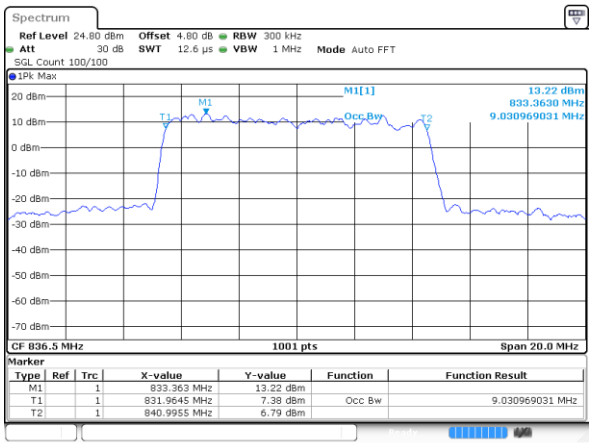
Lowest Channel / 10MHz / QPSK



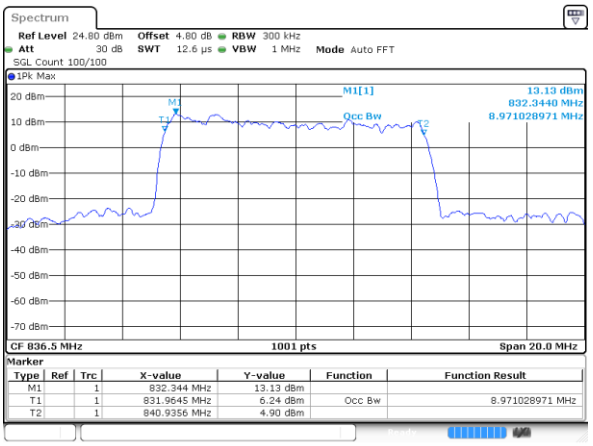
Lowest Channel / 10MHz / 16QAM



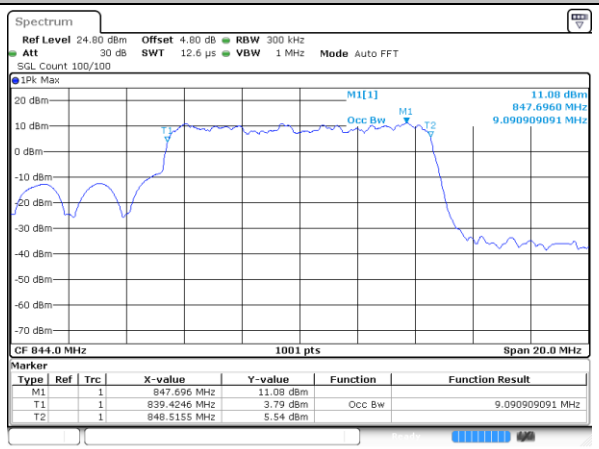
Middle Channel / 10MHz / QPSK



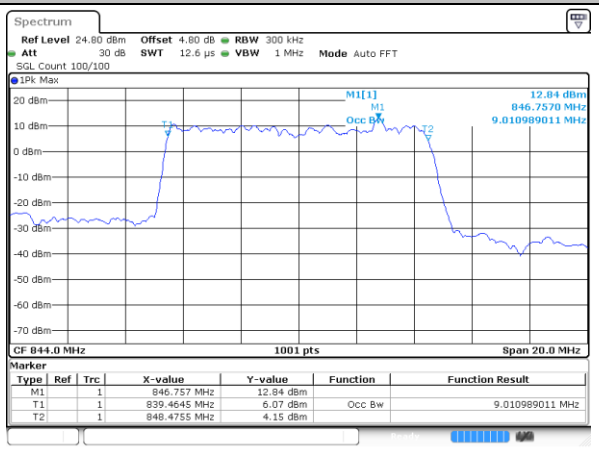
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



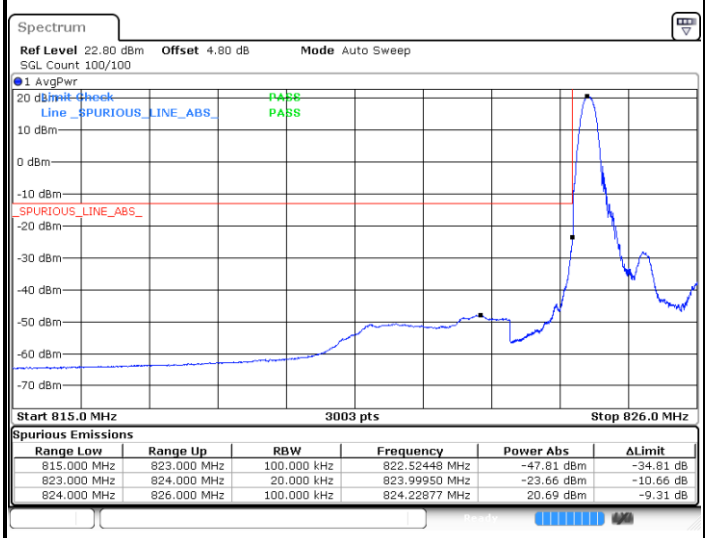
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

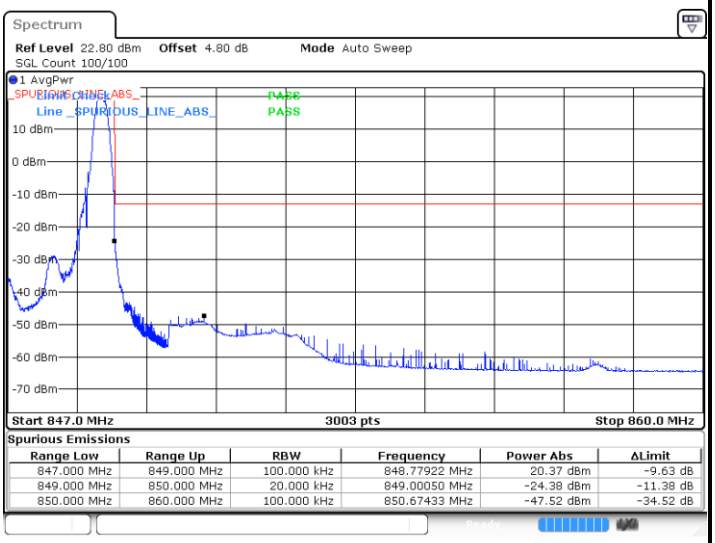


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.52448 MHz	-47.81 dBm	-34.81 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-23.66 dBm	-10.66 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.22877 MHz	20.69 dBm	-9.31 dB

Date: 28.JAN.2020 00:16:28

Highest Band Edge / 1RB

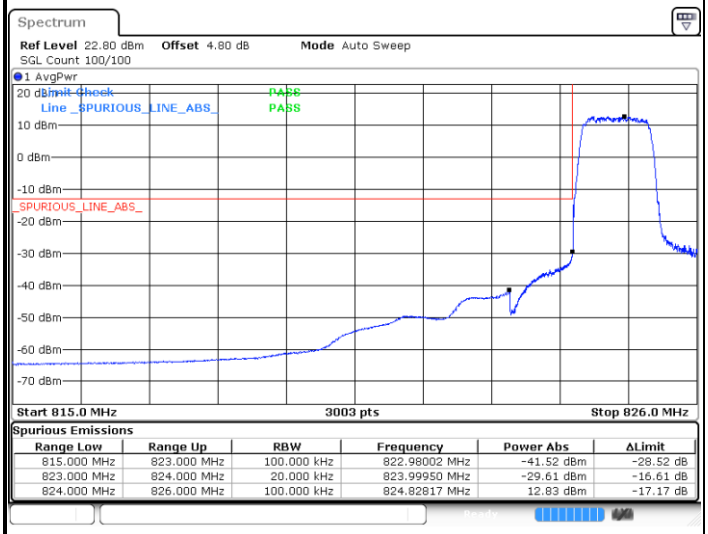


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.77922 MHz	20.37 dBm	-9.63 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-24.38 dBm	-11.38 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.67433 MHz	-47.52 dBm	-34.52 dB

Date: 28.JAN.2020 00:33:26

Lowest Band Edge / Full RB

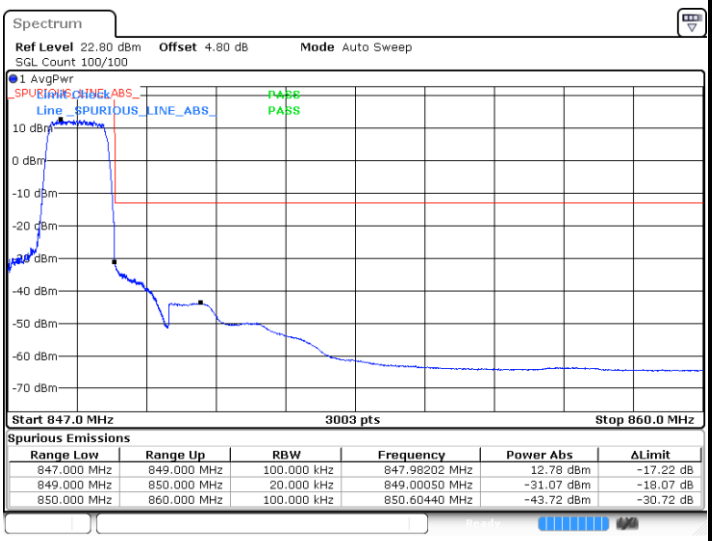


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-41.52 dBm	-28.52 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-29.61 dBm	-16.61 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.82817 MHz	12.83 dBm	-17.17 dB

Date: 28.JAN.2020 00:19:43

Highest Band Edge / Full RB



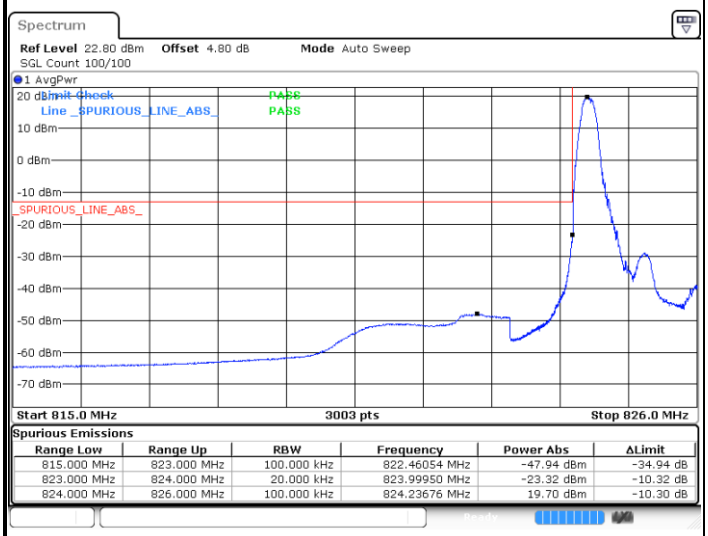
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	847.98202 MHz	12.78 dBm	-17.22 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-31.07 dBm	-18.07 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.60440 MHz	-43.72 dBm	-30.72 dB

Date: 28.JAN.2020 00:30:11

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

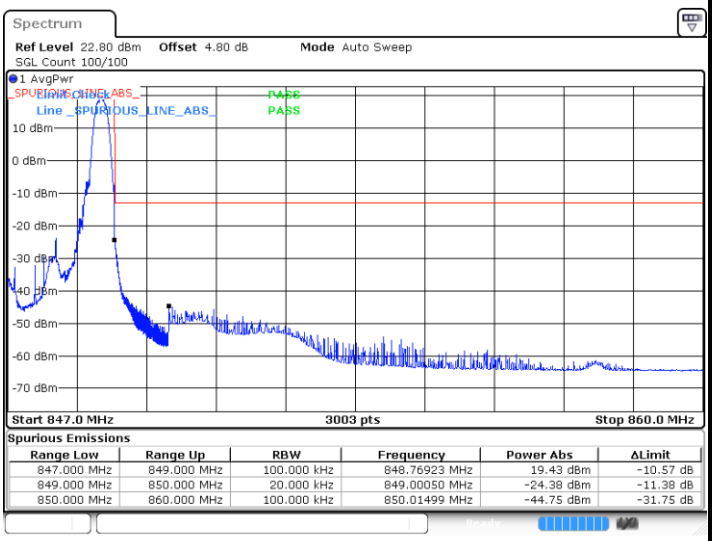


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.46054 MHz	-47.94 dBm	-34.94 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-23.32 dBm	-10.32 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.23676 MHz	19.70 dBm	-10.30 dB

Date: 28.JAN.2020 00:18:06

Highest Band Edge / 1 RB

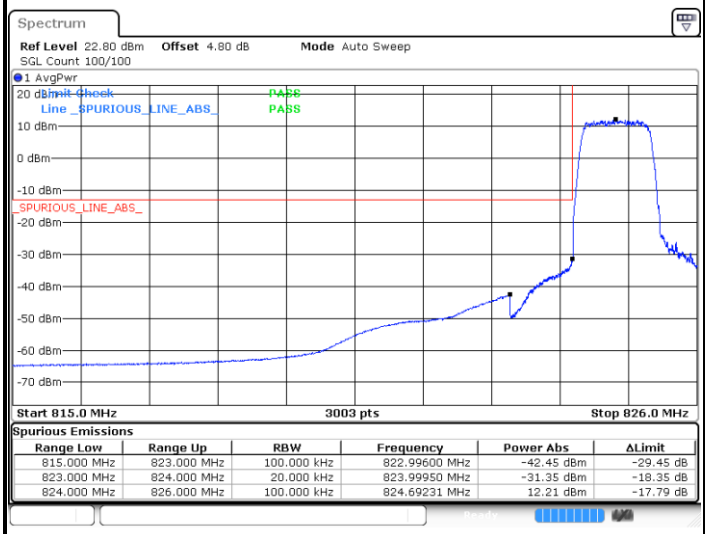


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.76923 MHz	19.43 dBm	-10.57 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-24.38 dBm	-11.38 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-44.75 dBm	-31.75 dB

Date: 28.JAN.2020 00:35:03

Lowest Band Edge / Full RB

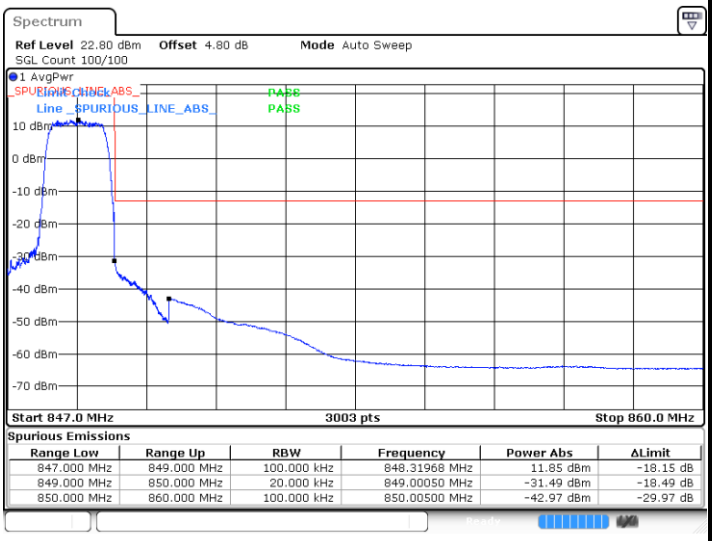


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-42.45 dBm	-29.45 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-31.35 dBm	-18.35 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.69231 MHz	12.21 dBm	-17.79 dB

Date: 28.JAN.2020 00:21:20

Highest Band Edge / Full RB



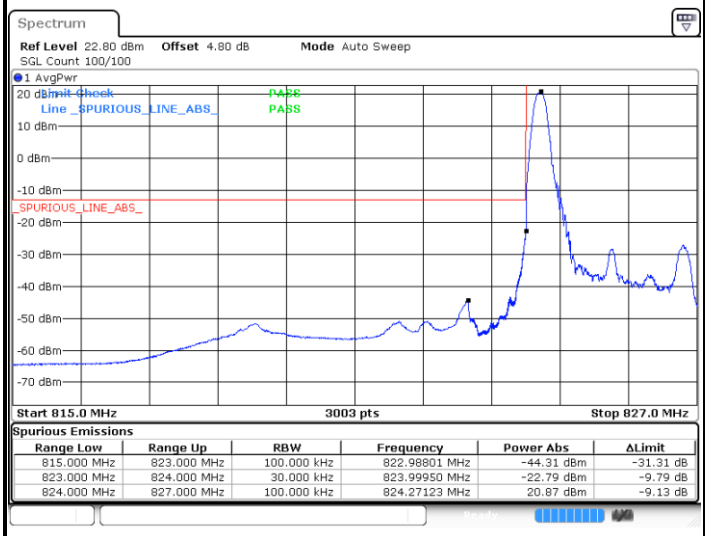
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.31968 MHz	11.85 dBm	-18.15 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-31.49 dBm	-18.49 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-42.97 dBm	-29.97 dB

Date: 28.JAN.2020 00:31:48

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

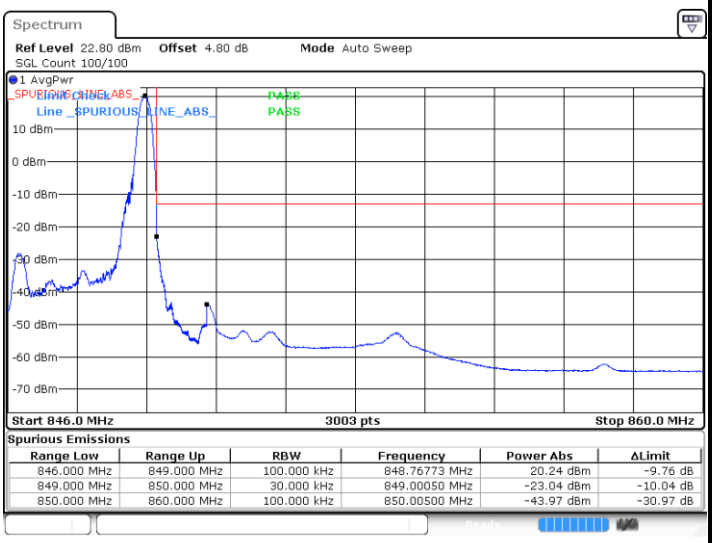


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-44.31 dBm	-31.31 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-22.79 dBm	-9.79 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.27123 MHz	20.87 dBm	-9.13 dB

Date: 28.JAN.2020 00:39:09

Highest Band Edge / 1 RB

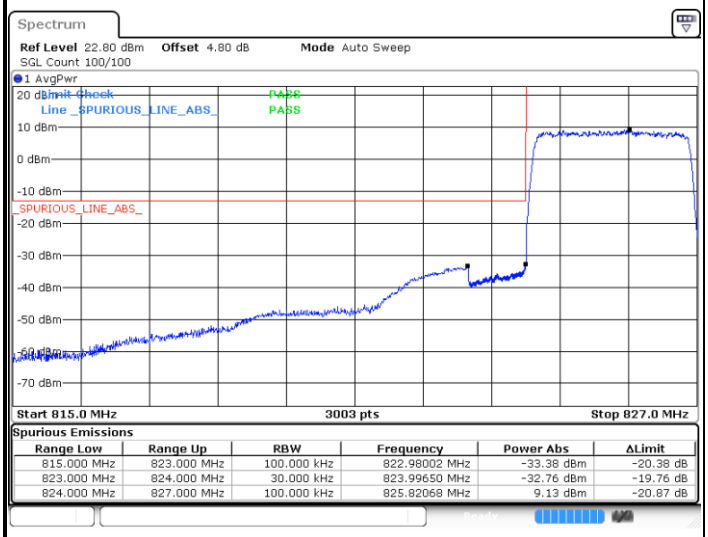


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.76773 MHz	20.24 dBm	-9.76 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-23.04 dBm	-10.04 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-43.97 dBm	-30.97 dB

Date: 28.JAN.2020 00:50:36

Lowest Band Edge / Full RB

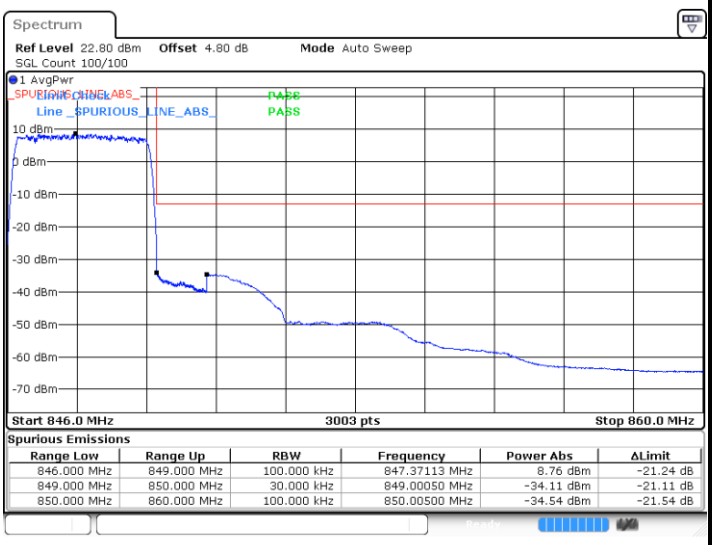


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-33.38 dBm	-20.38 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99650 MHz	-32.76 dBm	-19.76 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.82068 MHz	9.13 dBm	-20.87 dB

Date: 28.JAN.2020 00:42:24

Highest Band Edge / Full RB



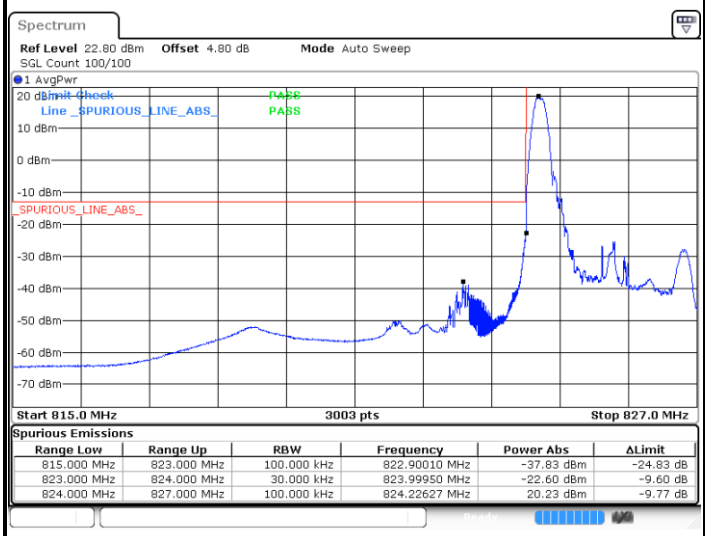
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.37113 MHz	8.76 dBm	-21.24 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-34.11 dBm	-21.11 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-34.54 dBm	-21.54 dB

Date: 28.JAN.2020 00:53:51

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

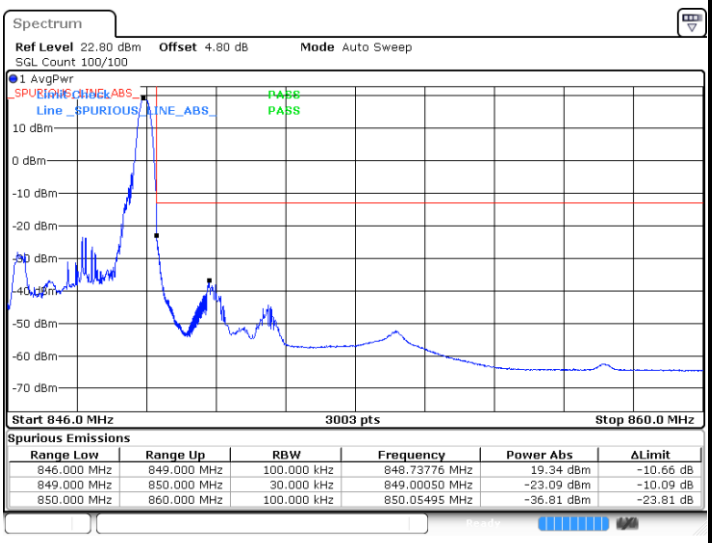


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90010 MHz	-37.83 dBm	-24.83 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-22.60 dBm	-9.60 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.22627 MHz	20.23 dBm	-9.77 dB

Date: 28.JAN.2020 00:40:47

Highest Band Edge /1 RB

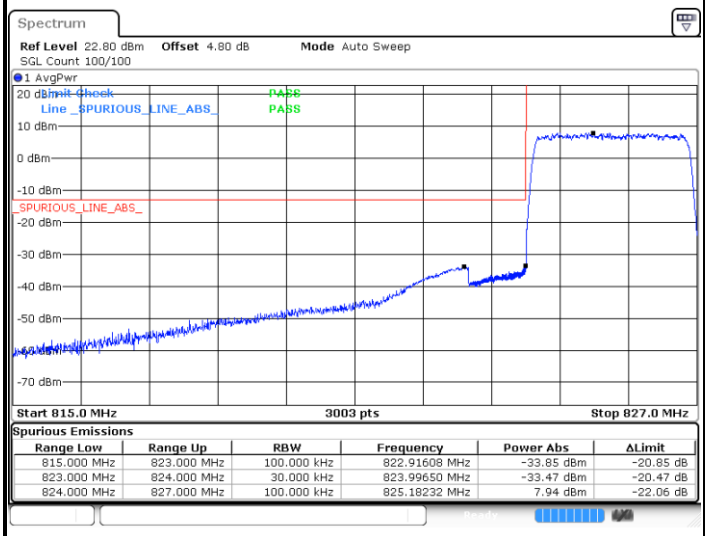


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.73776 MHz	19.34 dBm	-10.66 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-23.09 dBm	-10.09 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-36.81 dBm	-23.81 dB

Date: 28.JAN.2020 00:52:14

Lowest Band Edge / Full RB

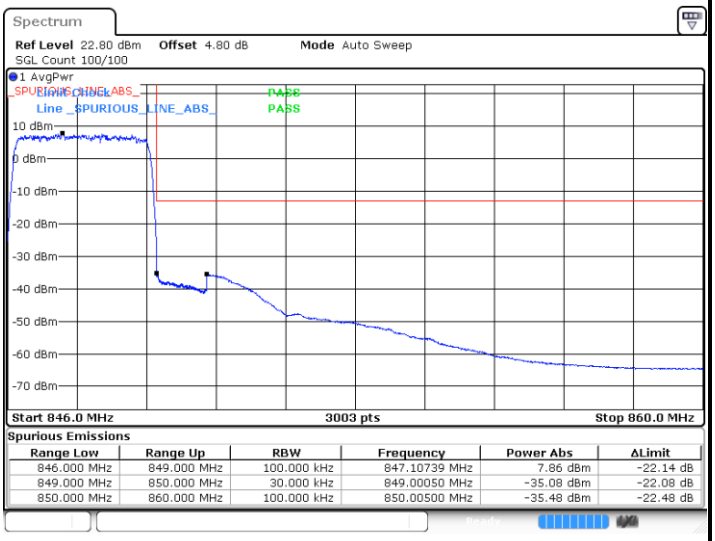


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.91608 MHz	-33.85 dBm	-20.85 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99650 MHz	-33.47 dBm	-20.47 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.18232 MHz	7.94 dBm	-22.06 dB

Date: 28.JAN.2020 00:44:01

Highest Band Edge / Full RB



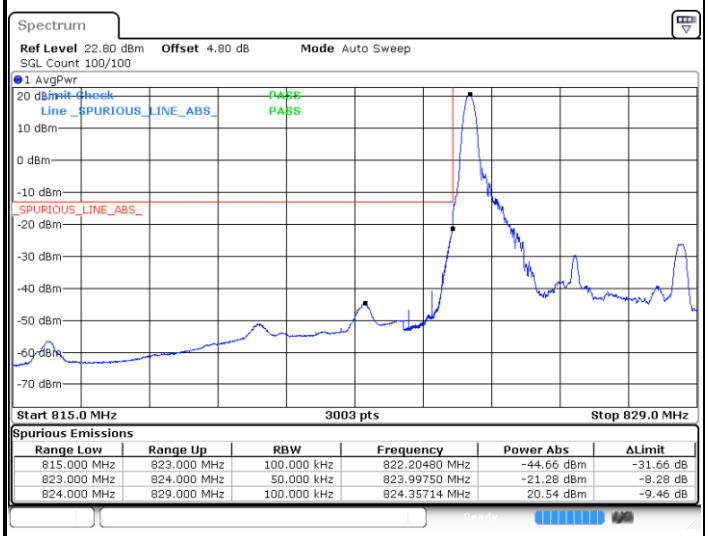
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.10739 MHz	7.86 dBm	-22.14 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-35.08 dBm	-22.08 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-35.48 dBm	-22.48 dB

Date: 28.JAN.2020 00:55:28

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

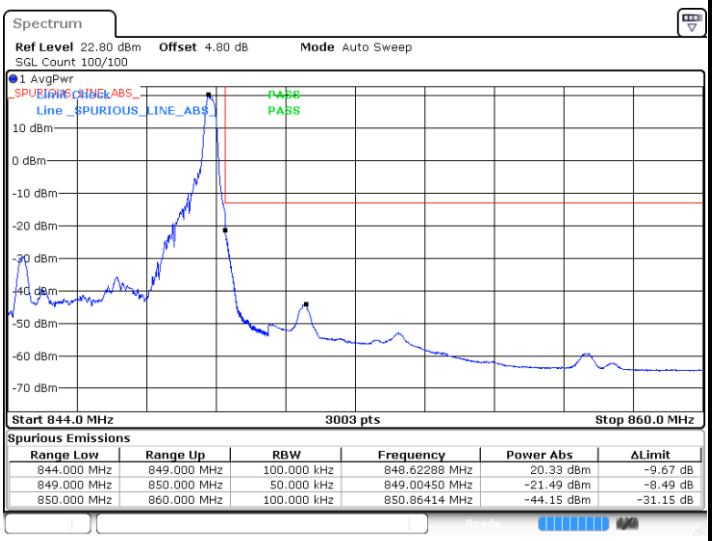


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.20480 MHz	-44.66 dBm	-31.66 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99750 MHz	-21.28 dBm	-8.28 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.35714 MHz	20.54 dBm	-9.46 dB

Date: 28.JAN.2020 00:59:35

Highest Band Edge / 1 RB

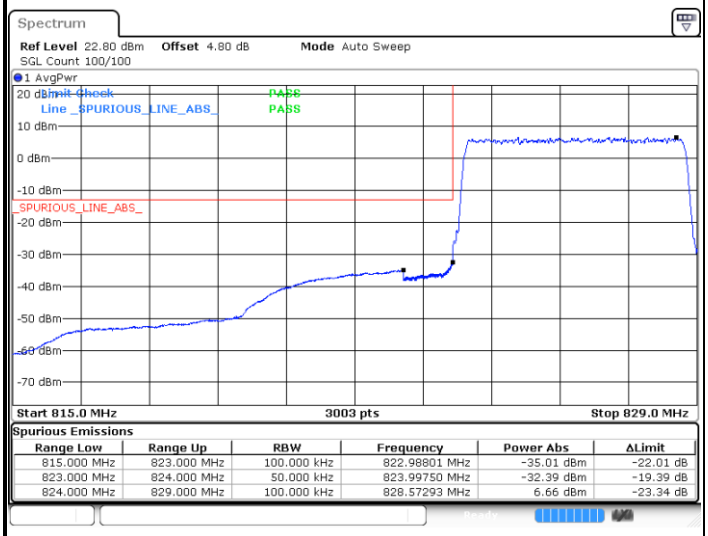


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.62288 MHz	20.33 dBm	-9.67 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00450 MHz	-21.49 dBm	-8.49 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.86414 MHz	-44.15 dBm	-31.15 dB

Date: 28.JAN.2020 01:11:01

Lowest Band Edge / Full RB

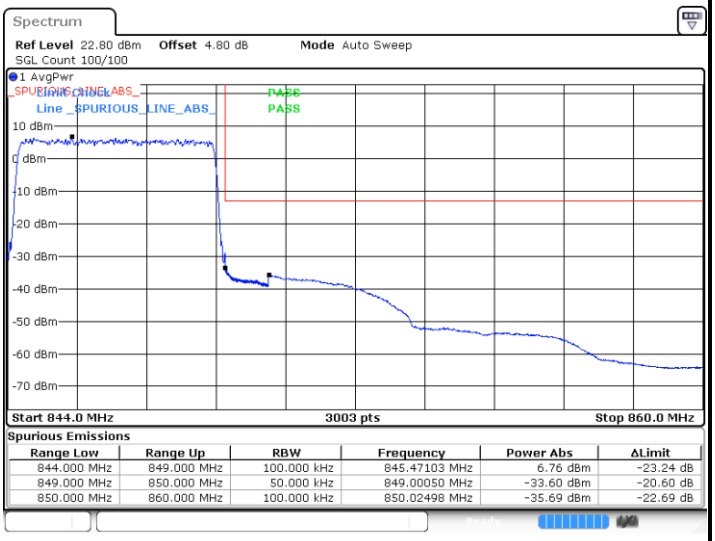


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-35.01 dBm	-22.01 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99750 MHz	-32.39 dBm	-19.39 dB
824.000 MHz	829.000 MHz	100.000 kHz	828.57293 MHz	6.66 dBm	-23.34 dB

Date: 28.JAN.2020 01:02:49

Highest Band Edge / Full RB



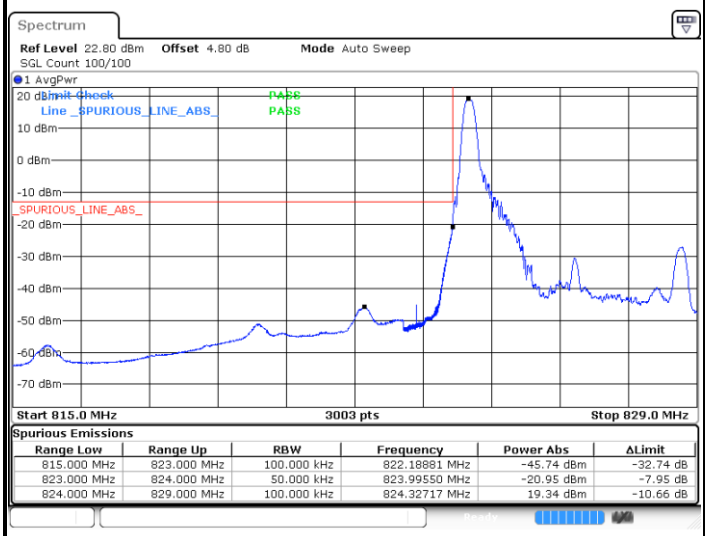
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.47103 MHz	6.76 dBm	-23.24 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-33.60 dBm	-20.60 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-35.69 dBm	-22.69 dB

Date: 28.JAN.2020 01:14:16

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

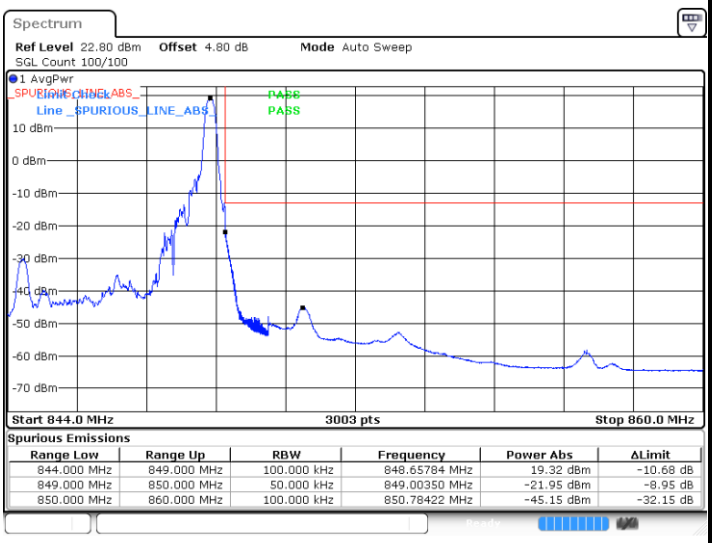


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.18881 MHz	-45.74 dBm	-32.74 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99550 MHz	-20.95 dBm	-7.95 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.32717 MHz	19.34 dBm	-10.66 dB

Date: 28.JAN.2020 01:01:12

Highest Band Edge / 1 RB

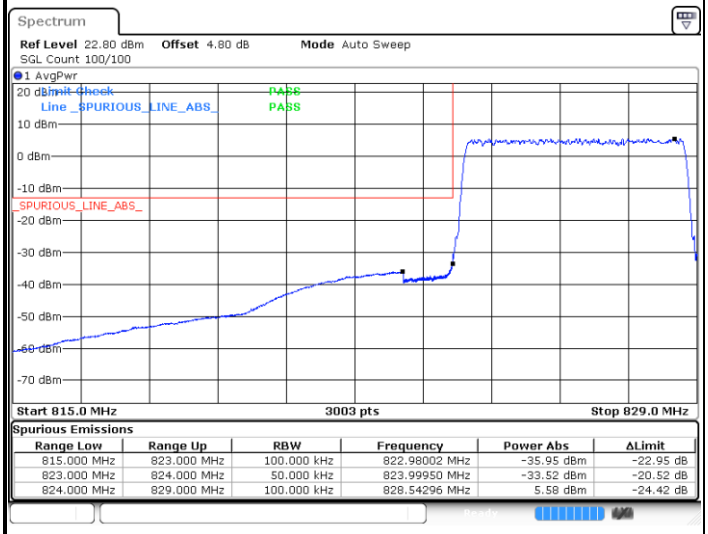


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.65784 MHz	19.32 dBm	-10.68 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00350 MHz	-21.95 dBm	-8.95 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.78422 MHz	-45.15 dBm	-32.15 dB

Date: 28.JAN.2020 01:12:39

Lowest Band Edge / Full RB

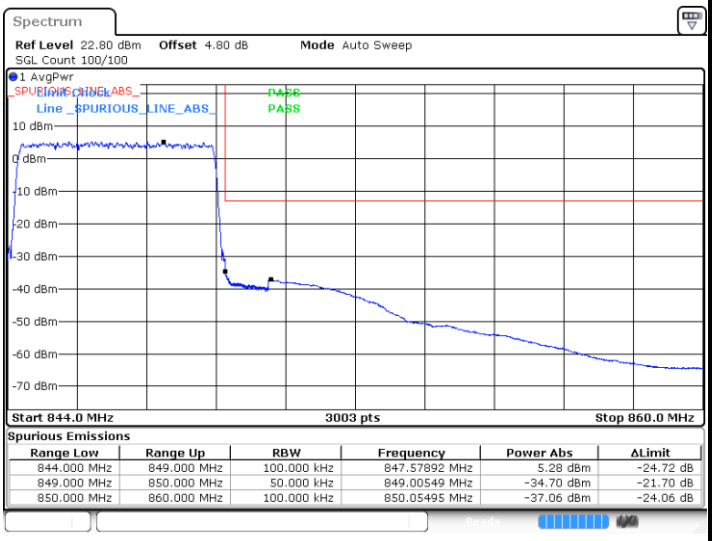


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-35.95 dBm	-22.95 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-33.52 dBm	-20.52 dB
824.000 MHz	829.000 MHz	100.000 kHz	828.54296 MHz	5.58 dBm	-24.42 dB

Date: 28.JAN.2020 01:04:27

Highest Band Edge / Full RB



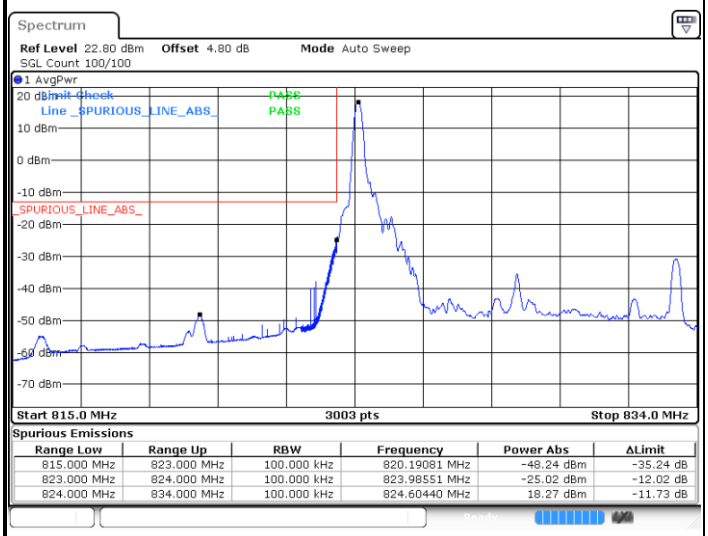
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	847.57892 MHz	5.28 dBm	-24.72 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00549 MHz	-34.70 dBm	-21.70 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-37.06 dBm	-24.06 dB

Date: 28.JAN.2020 01:15:54

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

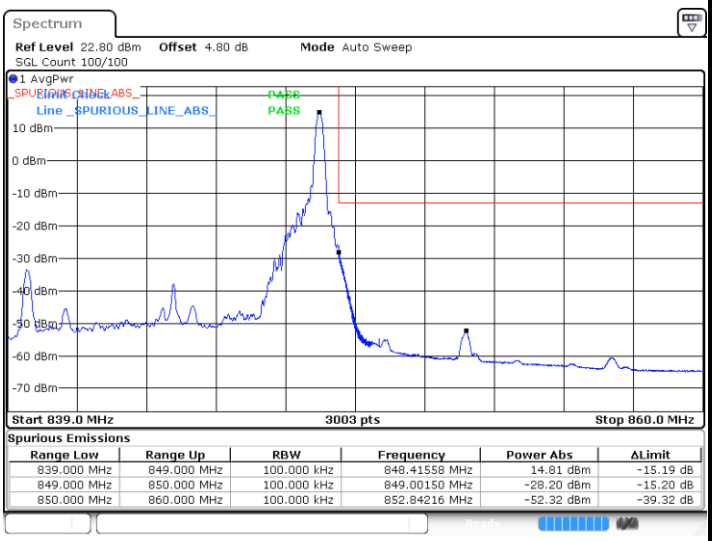


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.19081 MHz	-48.24 dBm	-35.24 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98551 MHz	-25.02 dBm	-12.02 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.60440 MHz	18.27 dBm	-11.73 dB

Date: 28.JAN.2020 01:20:00

Highest Band Edge / 1 RB

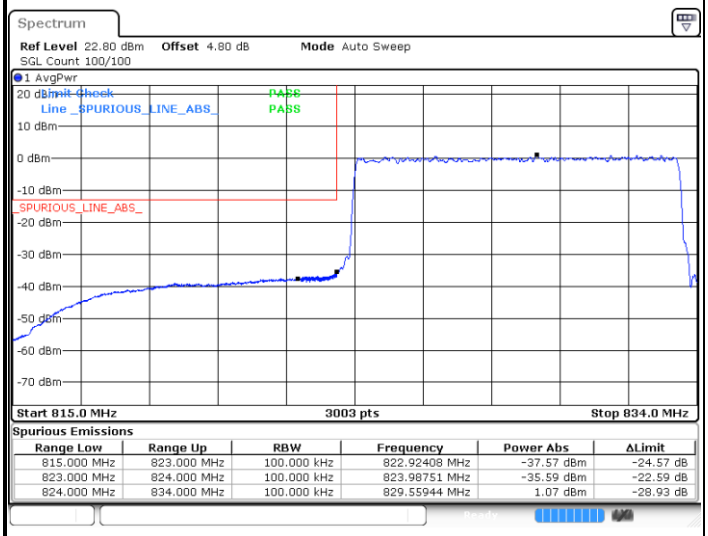


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.41558 MHz	14.81 dBm	-15.19 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00150 MHz	-28.20 dBm	-15.20 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.84216 MHz	-52.32 dBm	-39.32 dB

Date: 28.JAN.2020 01:31:26

Lowest Band Edge / Full RB

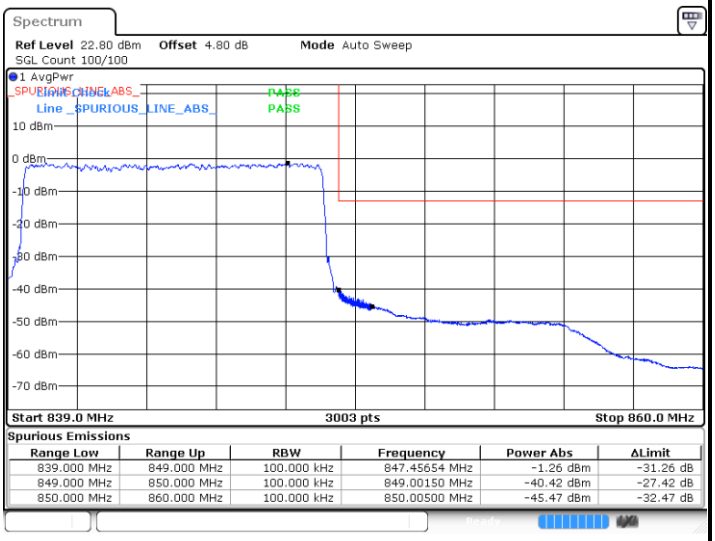


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-37.57 dBm	-24.57 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98751 MHz	-35.59 dBm	-22.59 dB
824.000 MHz	834.000 MHz	100.000 kHz	829.55944 MHz	1.07 dBm	-28.93 dB

Date: 28.JAN.2020 01:23:15

Highest Band Edge / Full RB



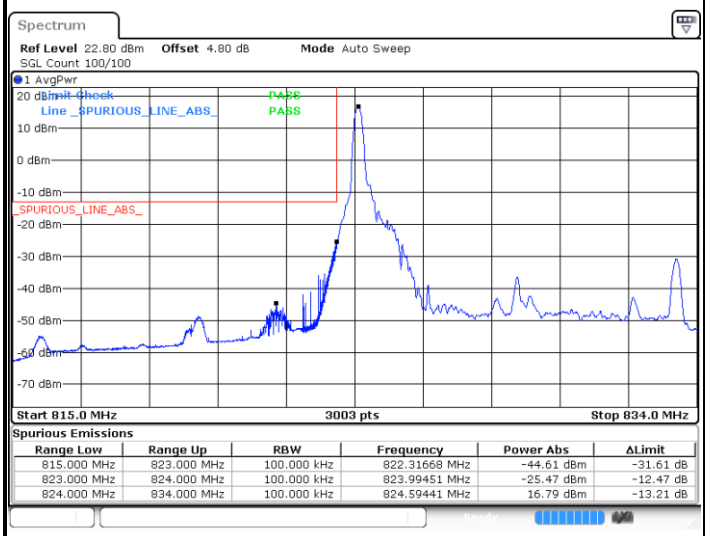
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	847.45654 MHz	-1.26 dBm	-31.26 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00150 MHz	-40.42 dBm	-27.42 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-45.47 dBm	-32.47 dB

Date: 28.JAN.2020 01:34:41

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

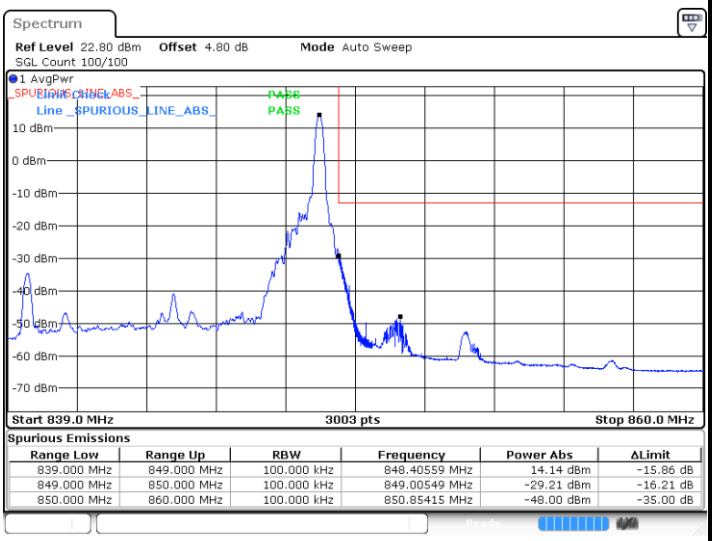


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.31668 MHz	-44.61 dBm	-31.61 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99451 MHz	-25.47 dBm	-12.47 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.59441 MHz	16.79 dBm	-13.21 dB

Date: 28.JAN.2020 01:21:37

Highest Band Edge / 1 RB

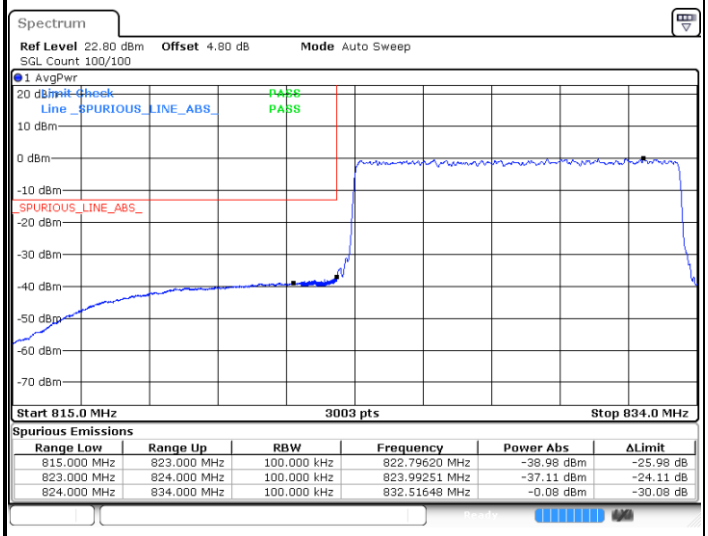


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.40559 MHz	14.14 dBm	-15.86 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00549 MHz	-29.21 dBm	-16.21 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.85415 MHz	-48.00 dBm	-35.00 dB

Date: 28.JAN.2020 01:33:04

Lowest Band Edge / Full RB

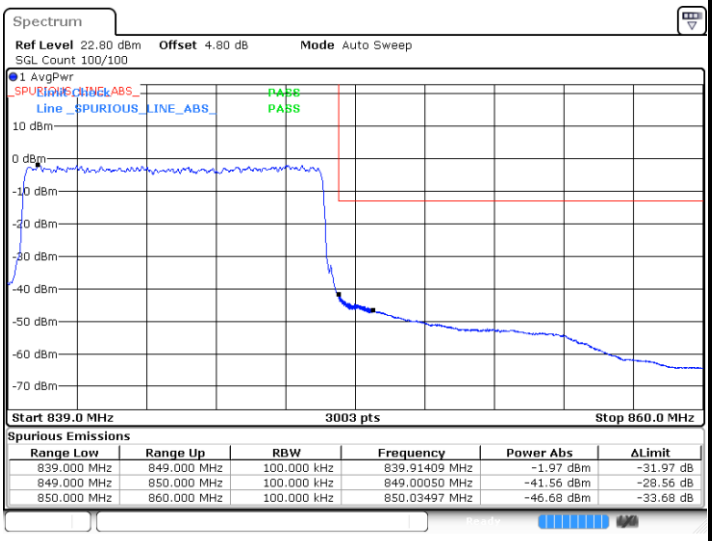


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.79620 MHz	-38.98 dBm	-25.98 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99251 MHz	-37.11 dBm	-24.11 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.51648 MHz	-0.08 dBm	-30.08 dB

Date: 28.JAN.2020 01:24:52

Highest Band Edge / Full RB



Spurious Emissions

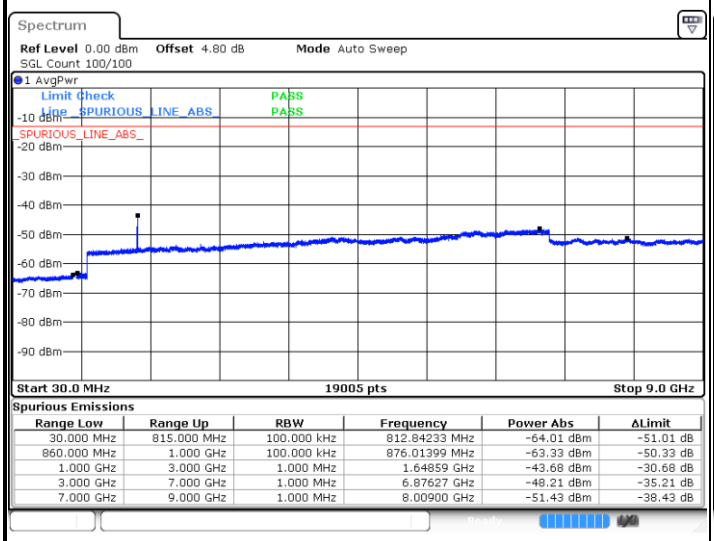
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	839.91409 MHz	-1.97 dBm	-31.97 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00050 MHz	-41.56 dBm	-28.56 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-46.68 dBm	-33.68 dB

Date: 28.JAN.2020 01:36:19

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

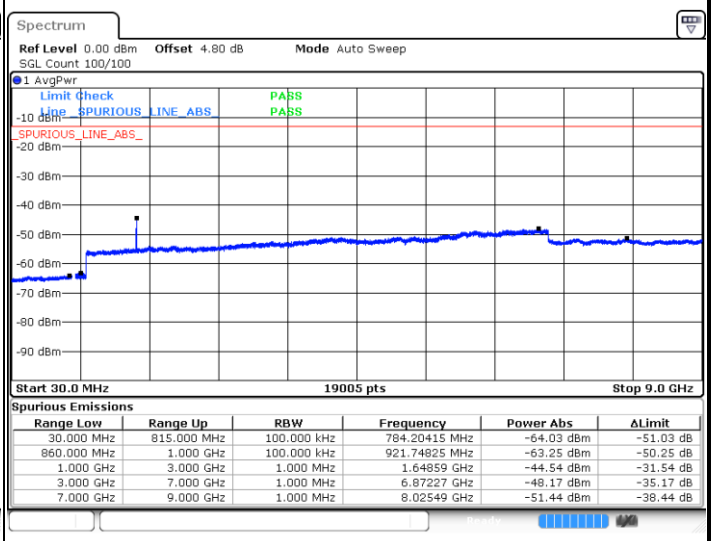


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.84233 MHz	-64.01 dBm	-51.01 dB
860.000 MHz	1.000 GHz	100.000 kHz	876.01399 MHz	-63.33 dBm	-50.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-43.68 dBm	-30.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87627 GHz	-48.21 dBm	-35.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00900 GHz	-51.43 dBm	-38.43 dB

Date: 28.JAN.2020 00:24:29

Lowest Channel / 16QAM

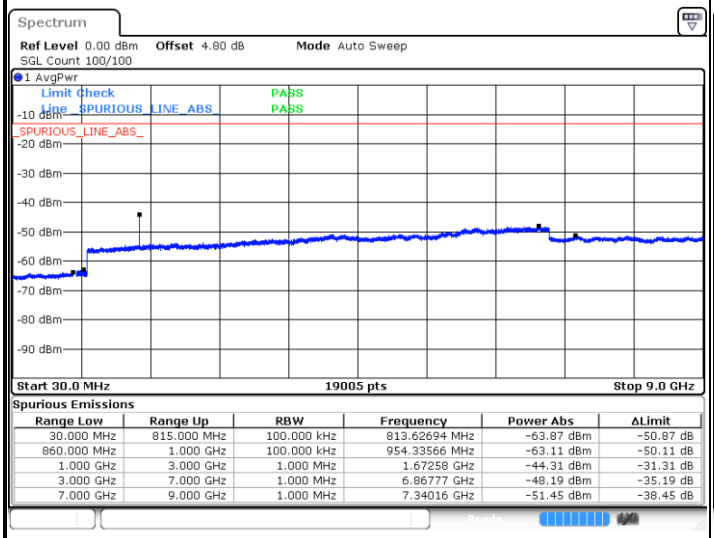


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	784.20415 MHz	-64.03 dBm	-51.03 dB
860.000 MHz	1.000 GHz	100.000 kHz	921.74825 MHz	-63.25 dBm	-50.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-44.54 dBm	-31.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87227 GHz	-48.17 dBm	-35.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02549 GHz	-51.44 dBm	-38.44 dB

Date: 28.JAN.2020 00:25:23

Middle Channel / QPSK

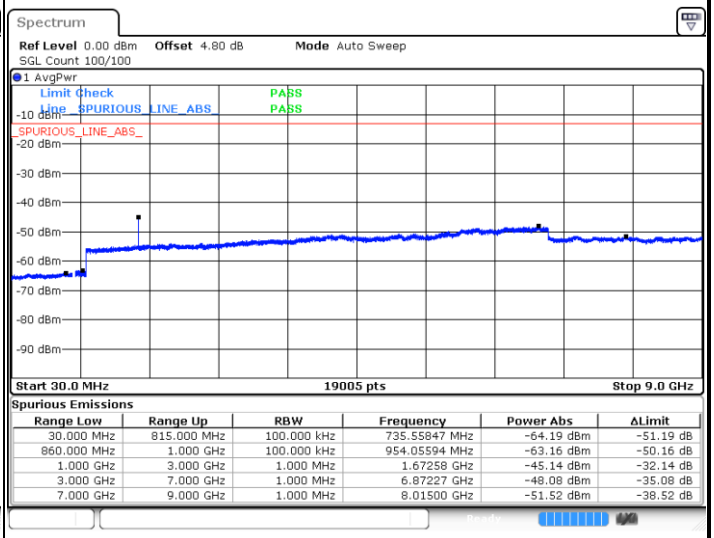


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.62694 MHz	-63.87 dBm	-50.87 dB
860.000 MHz	1.000 GHz	100.000 kHz	954.33566 MHz	-63.11 dBm	-50.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86777 GHz	-48.19 dBm	-35.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.34016 GHz	-51.45 dBm	-38.45 dB

Date: 28.JAN.2020 00:26:58

Middle Channel / 16QAM



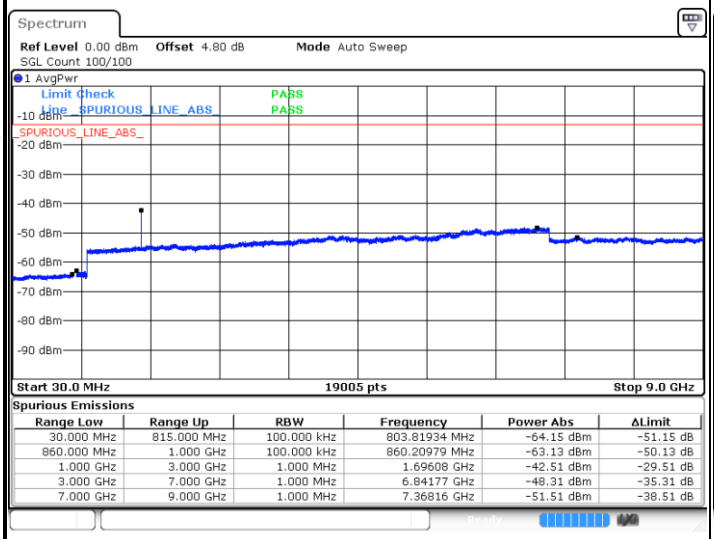
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	735.55847 MHz	-64.19 dBm	-51.19 dB
860.000 MHz	1.000 GHz	100.000 kHz	954.05594 MHz	-63.16 dBm	-50.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-45.14 dBm	-32.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87227 GHz	-48.08 dBm	-35.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01500 GHz	-51.52 dBm	-38.52 dB

Date: 28.JAN.2020 00:27:52

LTE Band 5 / 1.4MHz

Highest Channel / QPSK

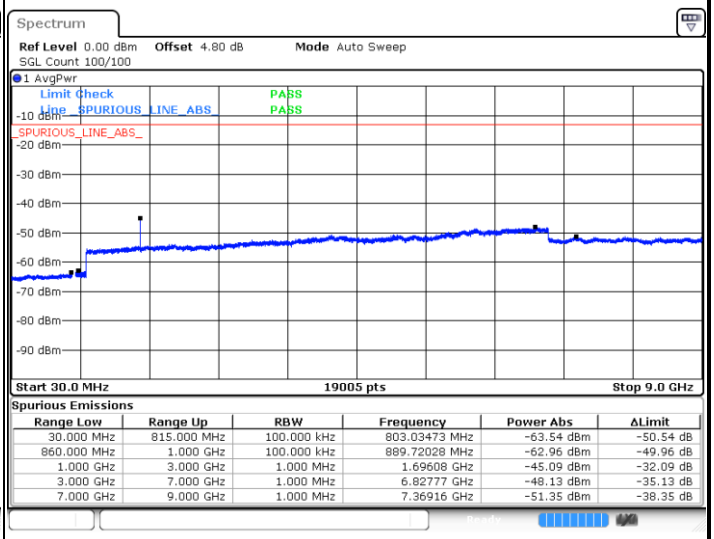


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.81934 MHz	-64.15 dBm	-51.15 dB
860.000 MHz	1.000 GHz	100.000 kHz	860.20979 MHz	-63.13 dBm	-50.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-42.51 dBm	-29.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84177 GHz	-48.31 dBm	-35.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.36816 GHz	-51.51 dBm	-38.51 dB

Date: 28.JAN.2020 00:35:57

Highest Channel / 16QAM



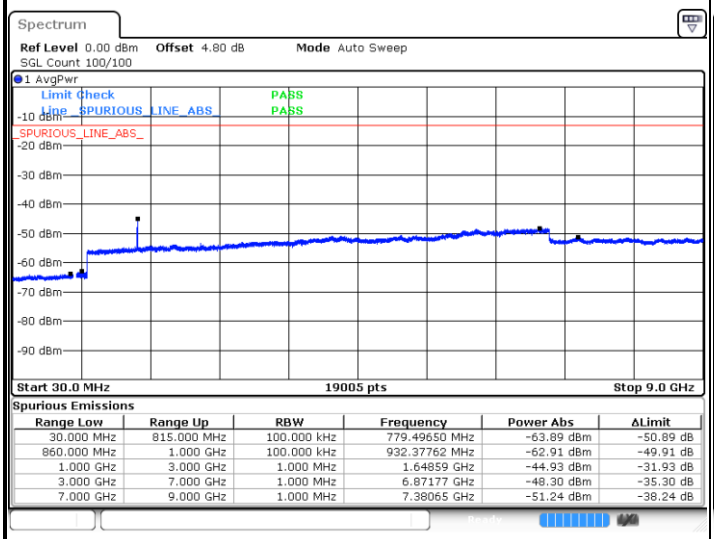
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.03473 MHz	-63.54 dBm	-50.54 dB
860.000 MHz	1.000 GHz	100.000 kHz	889.72028 MHz	-62.96 dBm	-49.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-45.09 dBm	-32.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.82777 GHz	-48.13 dBm	-35.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.36916 GHz	-51.35 dBm	-38.35 dB

Date: 28.JAN.2020 00:36:51

LTE Band 5 / 3MHz

Lowest Channel / QPSK

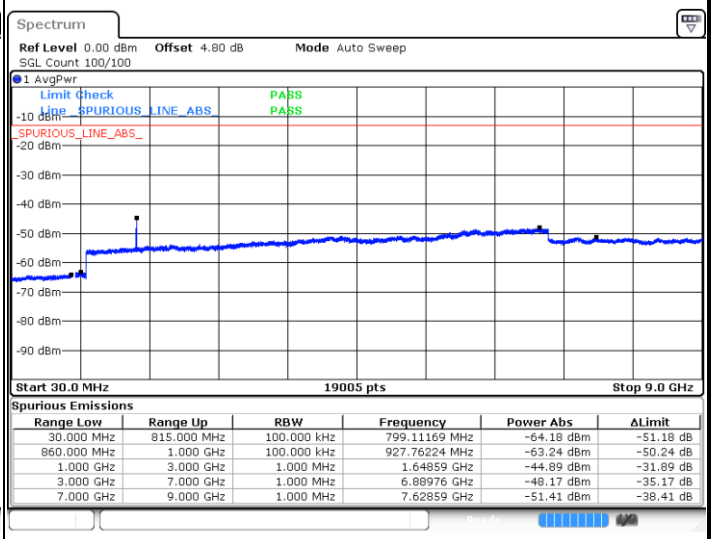


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.49650 MHz	-63.89 dBm	-50.89 dB
860.000 MHz	1.000 GHz	100.000 kHz	932.37762 MHz	-62.91 dBm	-49.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-44.93 dBm	-31.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87177 GHz	-48.30 dBm	-35.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38065 GHz	-51.24 dBm	-38.24 dB

Date: 28.JAN.2020 00:44:55

Lowest Channel / 16QAM



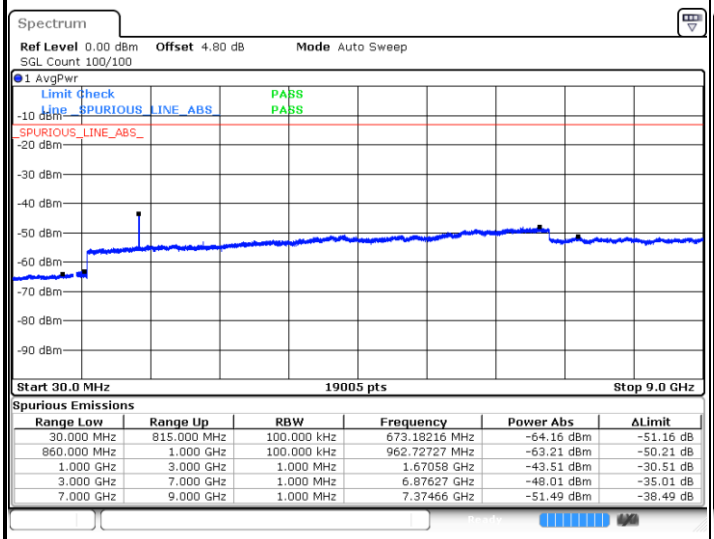
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	799.11169 MHz	-64.18 dBm	-51.18 dB
860.000 MHz	1.000 GHz	100.000 kHz	927.76224 MHz	-63.24 dBm	-50.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-44.89 dBm	-31.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88976 GHz	-48.17 dBm	-35.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.62859 GHz	-51.41 dBm	-38.41 dB

Date: 28.JAN.2020 00:45:49

LTE Band 5 / 3MHz

Middle Channel / QPSK

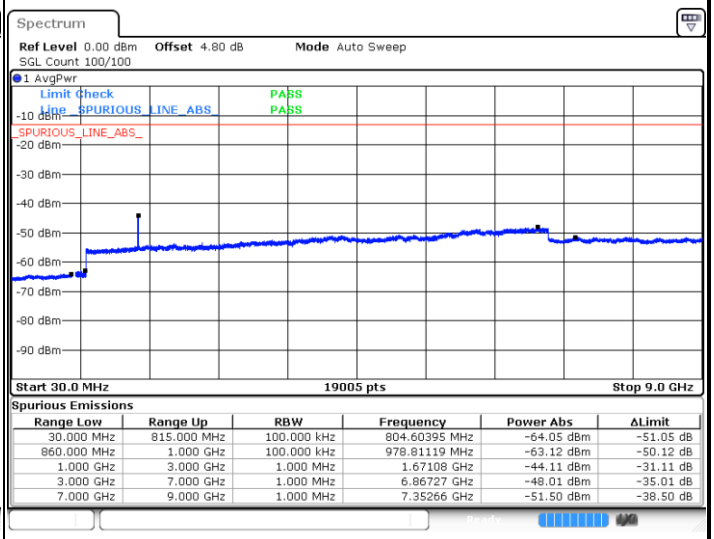


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	673.18216 MHz	-64.16 dBm	-51.16 dB
860.000 MHz	1.000 GHz	100.000 kHz	962.72727 MHz	-63.21 dBm	-50.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-43.51 dBm	-30.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87627 GHz	-48.01 dBm	-35.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37466 GHz	-51.49 dBm	-38.49 dB

Date: 28.JAN.2020 00:47:23

Middle Channel / 16QAM

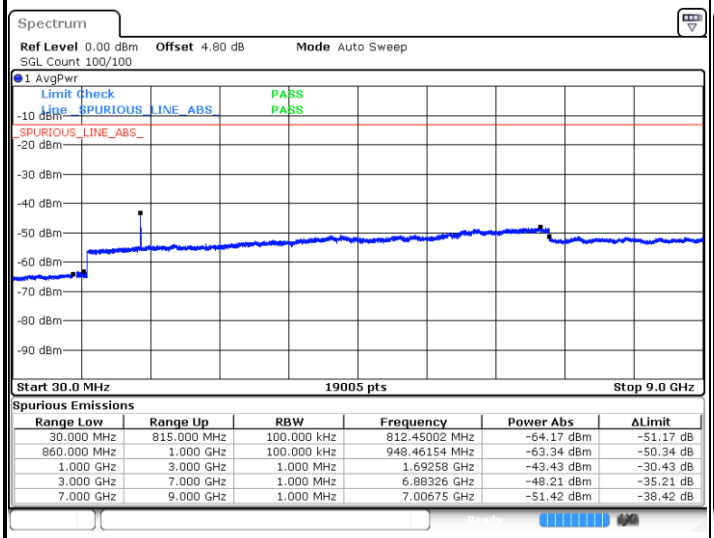


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	804.60395 MHz	-64.05 dBm	-51.05 dB
860.000 MHz	1.000 GHz	100.000 kHz	978.81119 MHz	-63.12 dBm	-50.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-44.11 dBm	-31.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86727 GHz	-48.01 dBm	-35.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.35266 GHz	-51.50 dBm	-38.50 dB

Date: 28.JAN.2020 00:48:18

Highest Channel / QPSK

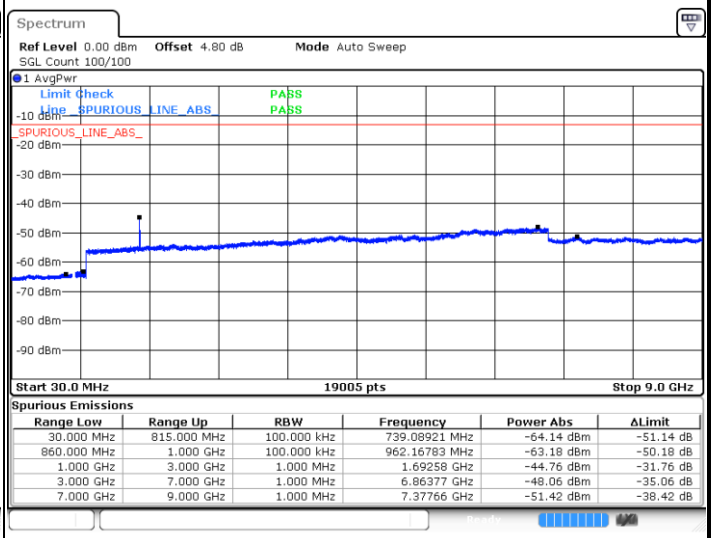


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.45002 MHz	-64.17 dBm	-51.17 dB
860.000 MHz	1.000 GHz	100.000 kHz	948.46154 MHz	-63.34 dBm	-50.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-43.43 dBm	-30.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88326 GHz	-48.21 dBm	-35.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00675 GHz	-51.42 dBm	-38.42 dB

Date: 28.JAN.2020 00:56:22

Highest Channel / 16QAM



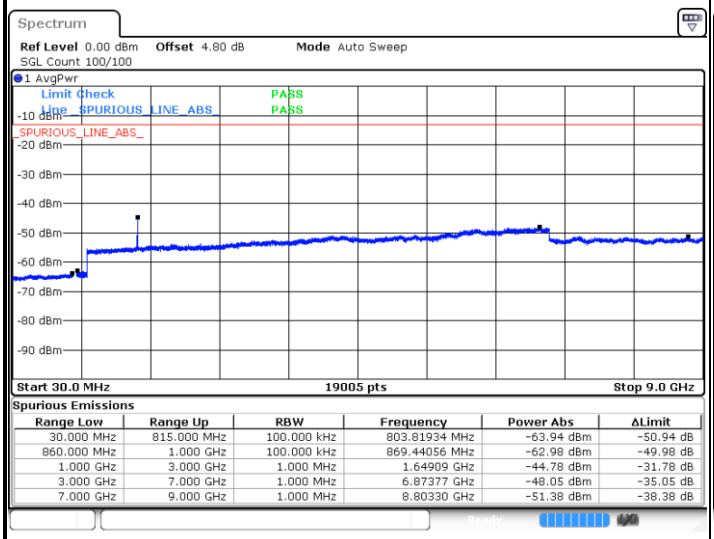
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	739.08921 MHz	-64.14 dBm	-51.14 dB
860.000 MHz	1.000 GHz	100.000 kHz	962.16783 MHz	-63.18 dBm	-50.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-44.76 dBm	-31.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86377 GHz	-48.06 dBm	-35.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37766 GHz	-51.42 dBm	-38.42 dB

Date: 28.JAN.2020 00:57:16

LTE Band 5 / 5MHz

Lowest Channel / QPSK

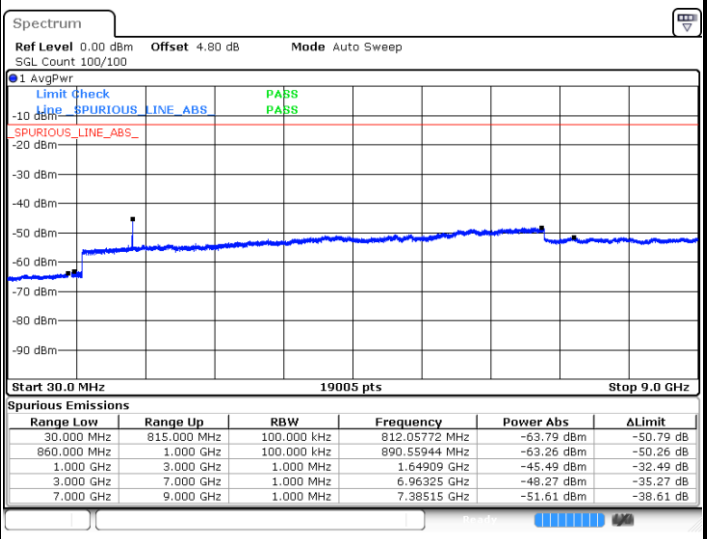


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.81934 MHz	-63.94 dBm	-50.94 dB
860.000 MHz	1.000 GHz	100.000 kHz	869.44056 MHz	-62.98 dBm	-49.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-44.78 dBm	-31.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87377 GHz	-48.05 dBm	-35.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80330 GHz	-51.38 dBm	-38.38 dB

Date: 28.JAN.2020 01:05:20

Lowest Channel / 16QAM

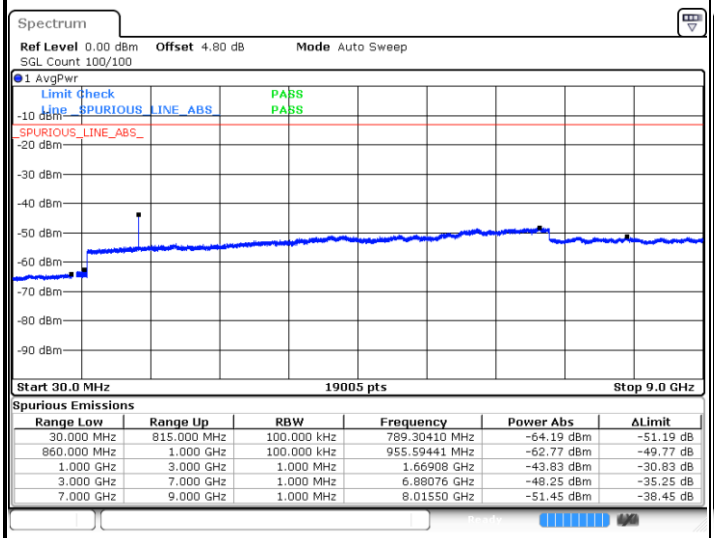


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.05772 MHz	-63.79 dBm	-50.79 dB
860.000 MHz	1.000 GHz	100.000 kHz	890.55944 MHz	-63.26 dBm	-50.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-45.49 dBm	-32.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96325 GHz	-48.27 dBm	-35.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38515 GHz	-51.61 dBm	-38.61 dB

Date: 28.JAN.2020 01:06:15

Middle Channel / QPSK

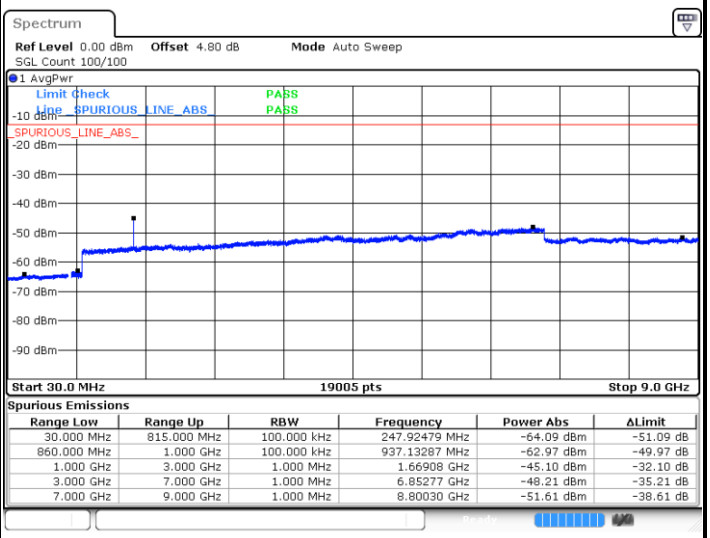


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	789.30410 MHz	-64.19 dBm	-51.19 dB
860.000 MHz	1.000 GHz	100.000 kHz	955.59441 MHz	-62.77 dBm	-49.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-43.83 dBm	-30.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88076 GHz	-48.25 dBm	-35.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01550 GHz	-51.45 dBm	-38.45 dB

Date: 28.JAN.2020 01:07:49

Middle Channel / 16QAM



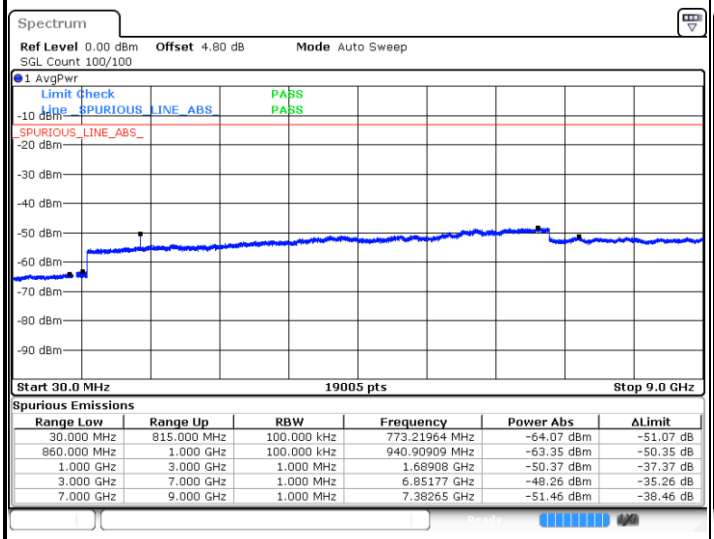
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	247.92479 MHz	-64.09 dBm	-51.09 dB
860.000 MHz	1.000 GHz	100.000 kHz	937.13287 MHz	-62.97 dBm	-49.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-45.10 dBm	-32.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85277 GHz	-48.21 dBm	-35.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80030 GHz	-51.61 dBm	-38.61 dB

Date: 28.JAN.2020 01:08:43

LTE Band 5 / 5MHz

Highest Channel / QPSK

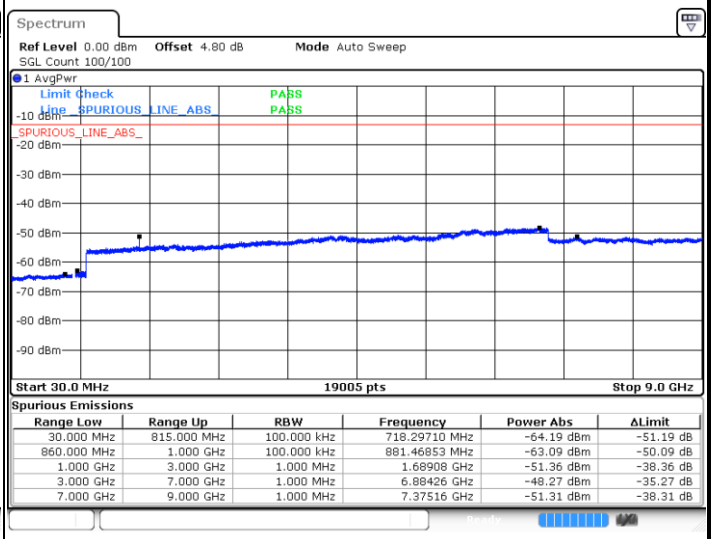


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	773.21964 MHz	-64.07 dBm	-51.07 dB
860.000 MHz	1.000 GHz	100.000 kHz	940.90909 MHz	-63.35 dBm	-50.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-50.37 dBm	-37.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85177 GHz	-48.26 dBm	-35.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38265 GHz	-51.46 dBm	-38.46 dB

Date: 28.JAN.2020 01:16:47

Highest Channel / 16QAM



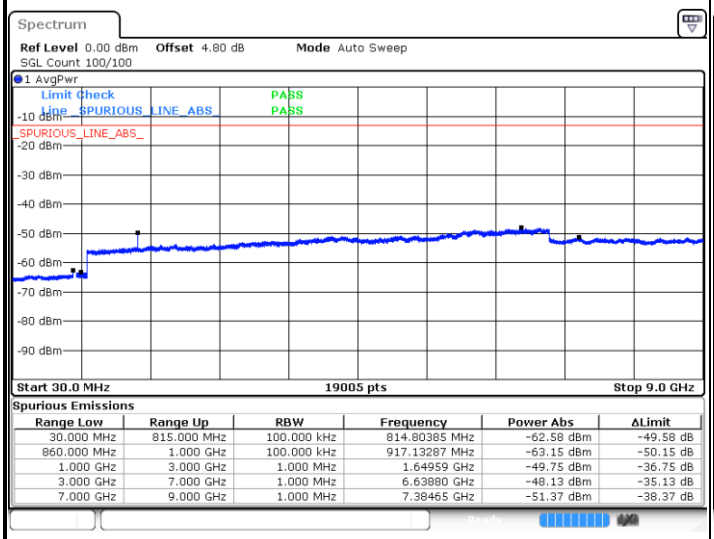
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	718.29710 MHz	-64.19 dBm	-51.19 dB
860.000 MHz	1.000 GHz	100.000 kHz	881.46853 MHz	-63.09 dBm	-50.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-51.36 dBm	-38.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88426 GHz	-48.27 dBm	-35.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37516 GHz	-51.31 dBm	-38.31 dB

Date: 28.JAN.2020 01:17:41

LTE Band 5 / 10MHz

Lowest Channel / QPSK

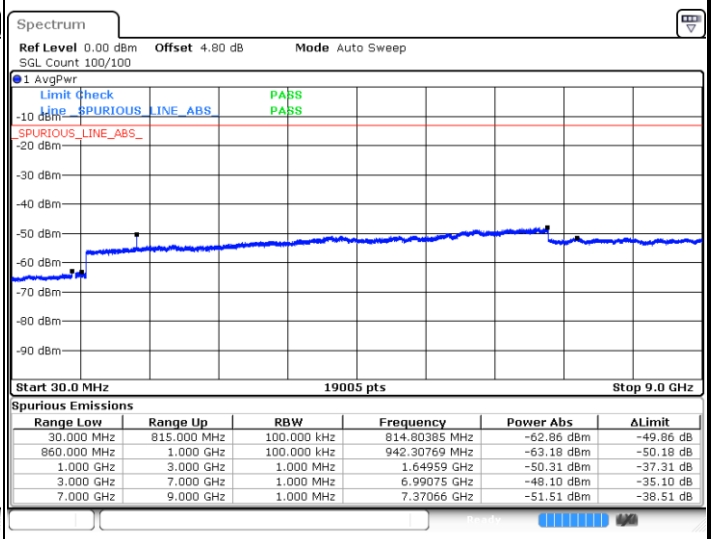


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-62.58 dBm	-49.58 dB
860.000 MHz	1.000 GHz	100.000 kHz	917.13287 MHz	-63.15 dBm	-50.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-49.75 dBm	-36.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.63880 GHz	-48.13 dBm	-35.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38465 GHz	-51.37 dBm	-38.37 dB

Date: 28.JAN.2020 01:25:45

Lowest Channel / 16QAM



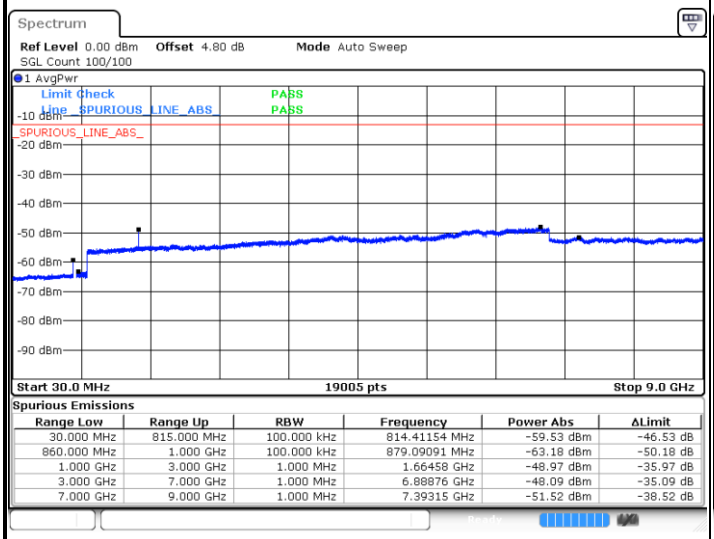
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-62.86 dBm	-49.86 dB
860.000 MHz	1.000 GHz	100.000 kHz	942.30769 MHz	-63.18 dBm	-50.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-50.31 dBm	-37.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-48.10 dBm	-35.10 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37066 GHz	-51.51 dBm	-38.51 dB

Date: 28.JAN.2020 01:26:40

LTE Band 5 / 10MHz

Middle Channel / QPSK

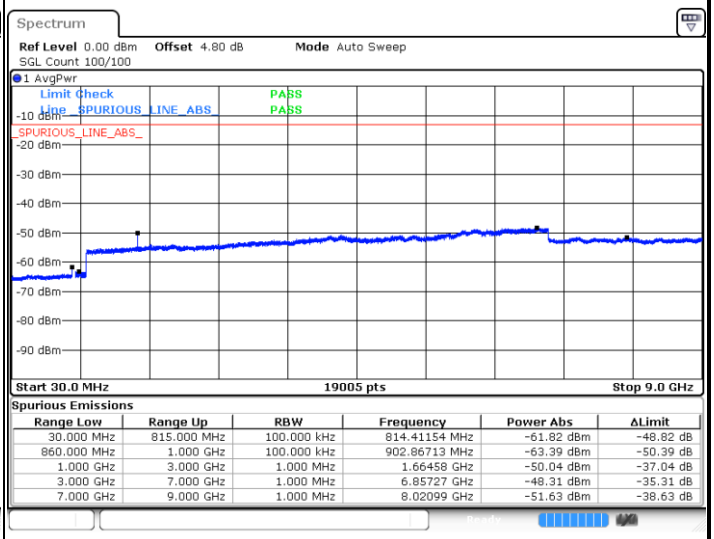


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-59.53 dBm	-46.53 dB
860.000 MHz	1.000 GHz	100.000 kHz	879.09091 MHz	-63.18 dBm	-50.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-48.97 dBm	-35.97 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88876 GHz	-48.09 dBm	-35.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.39315 GHz	-51.52 dBm	-38.52 dB

Date: 28.JAN.2020 01:28:14

Middle Channel / 16QAM

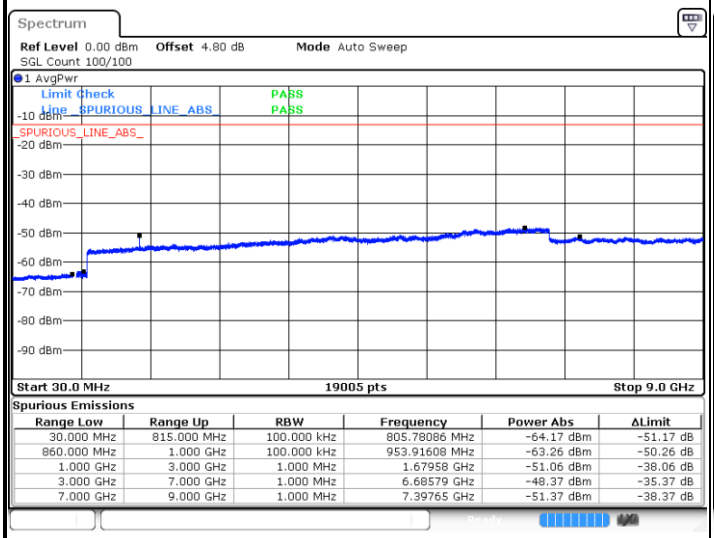


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-61.82 dBm	-48.82 dB
860.000 MHz	1.000 GHz	100.000 kHz	902.86713 MHz	-63.39 dBm	-50.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-50.04 dBm	-37.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85727 GHz	-48.31 dBm	-35.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02099 GHz	-51.63 dBm	-38.63 dB

Date: 28.JAN.2020 01:29:08

Highest Channel / QPSK

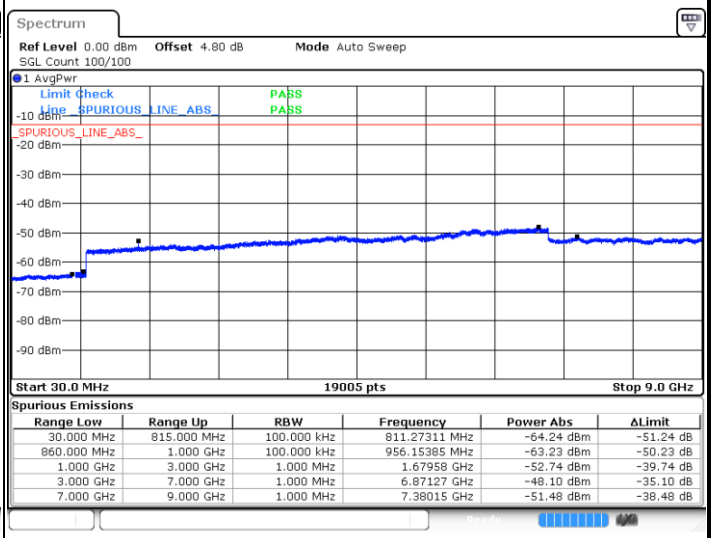


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	805.78086 MHz	-64.17 dBm	-51.17 dB
860.000 MHz	1.000 GHz	100.000 kHz	953.91608 MHz	-63.26 dBm	-50.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-51.06 dBm	-38.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.68579 GHz	-48.37 dBm	-35.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.39765 GHz	-51.37 dBm	-38.37 dB

Date: 28.JAN.2020 01:37:12

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.27311 MHz	-64.24 dBm	-51.24 dB
860.000 MHz	1.000 GHz	100.000 kHz	956.15385 MHz	-63.23 dBm	-50.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-52.74 dBm	-39.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87127 GHz	-48.10 dBm	-35.10 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38015 GHz	-51.48 dBm	-38.48 dB

Date: 28.JAN.2020 01:38:07

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0060	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note: Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.

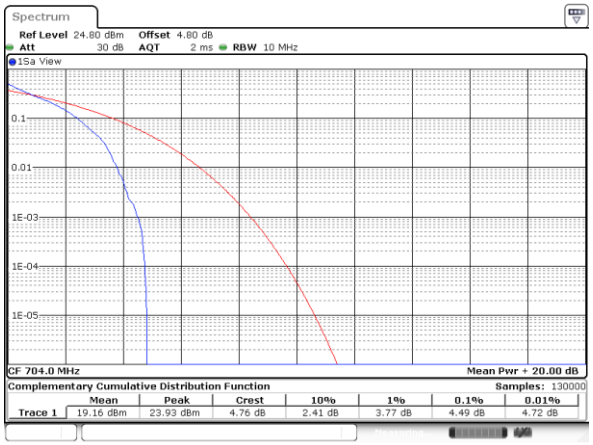
LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.49	5.28	5.65	5.94	PASS
Middle CH	4.72	5.04	5.48	5.88	
Highest CH	5.07	4.93	6.00	5.77	

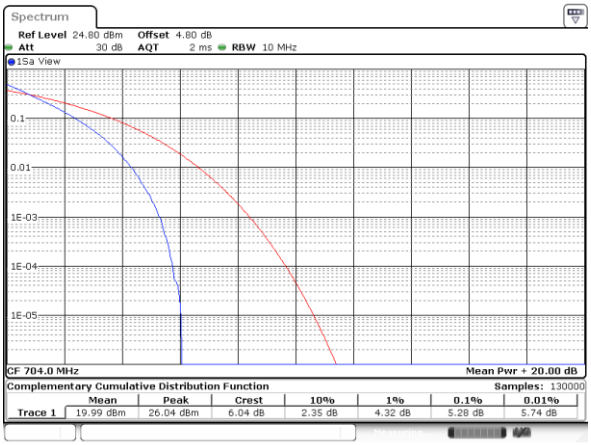
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



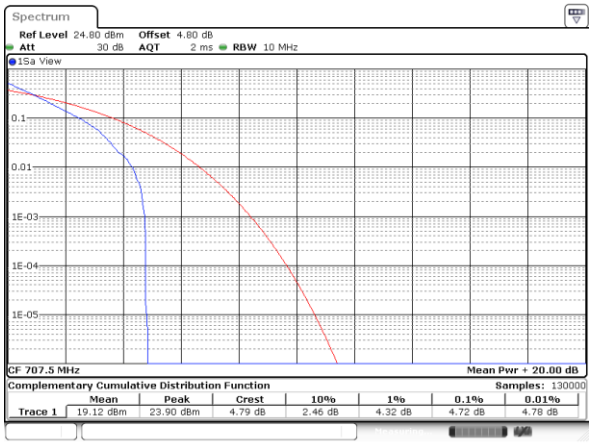
Date: 28.JAN.2020 06:08:55

Lowest Channel / Full RB



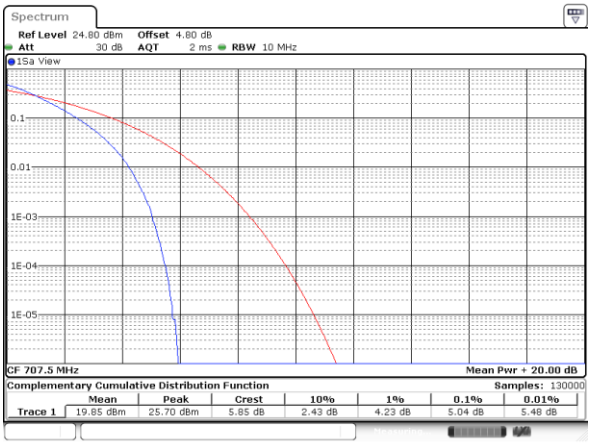
Date: 28.JAN.2020 06:09:47

Middle Channel / 1RB



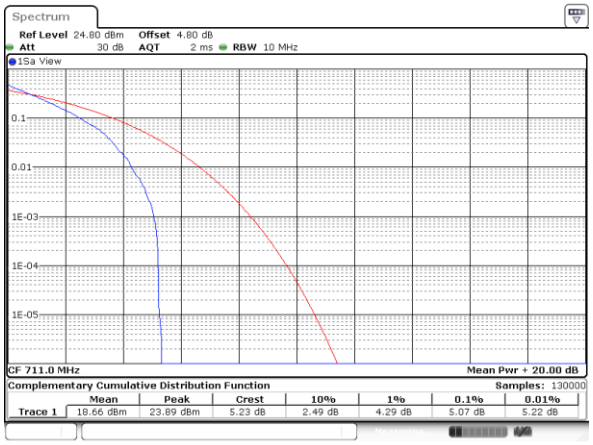
Date: 28.JAN.2020 06:15:36

Middle Channel / Full RB



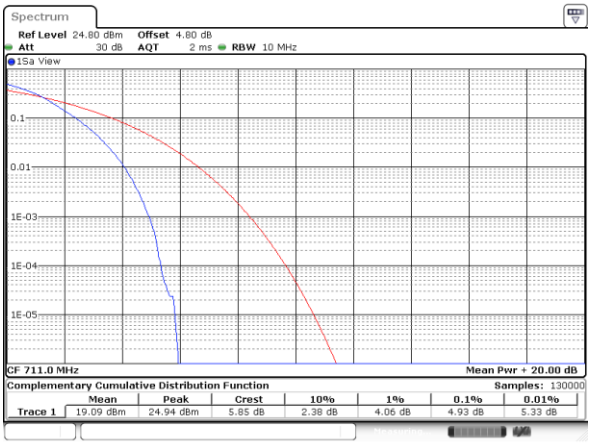
Date: 28.JAN.2020 06:13:10

Highest Channel / 1RB



Date: 28.JAN.2020 06:22:13

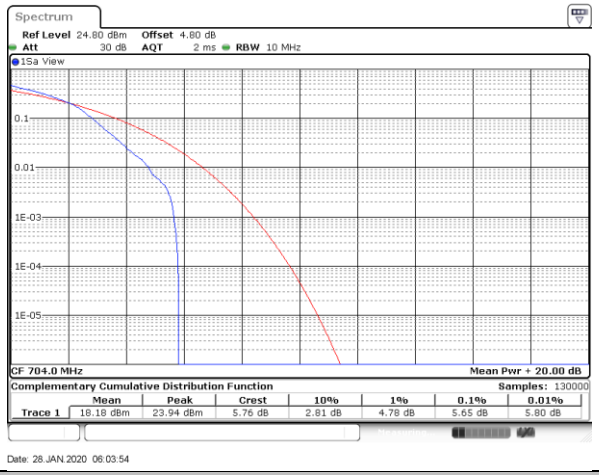
Highest Channel / Full RB



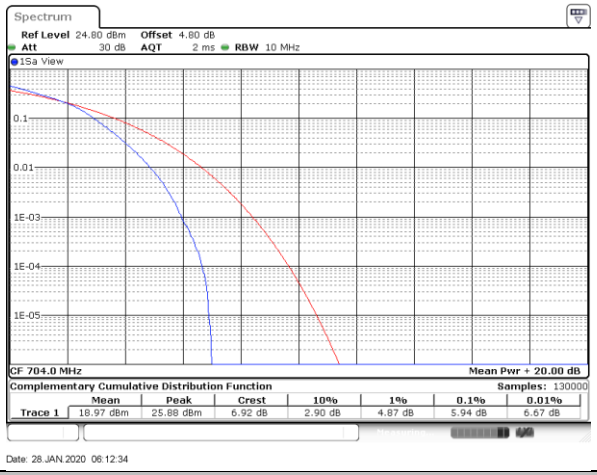
Date: 28.JAN.2020 06:27:28

LTE Band 12 / 10MHz / 16QAM

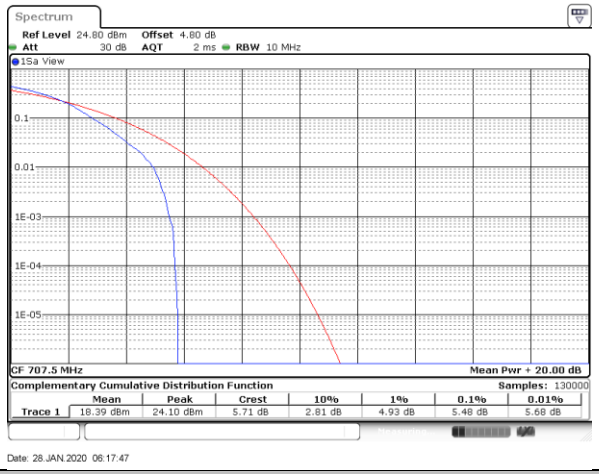
Lowest Channel / 1RB



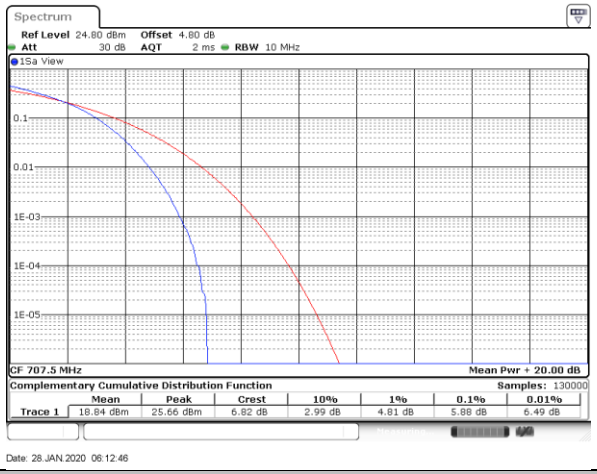
Lowest Channel / Full RB



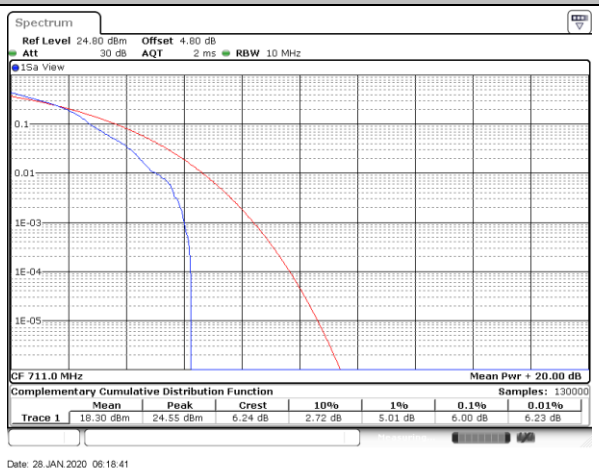
Middle Channel / 1RB



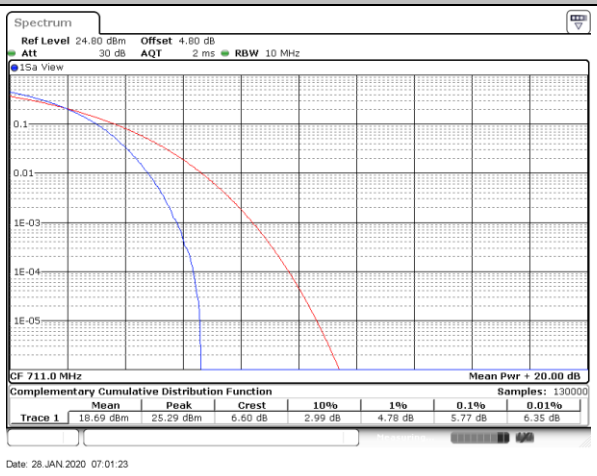
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

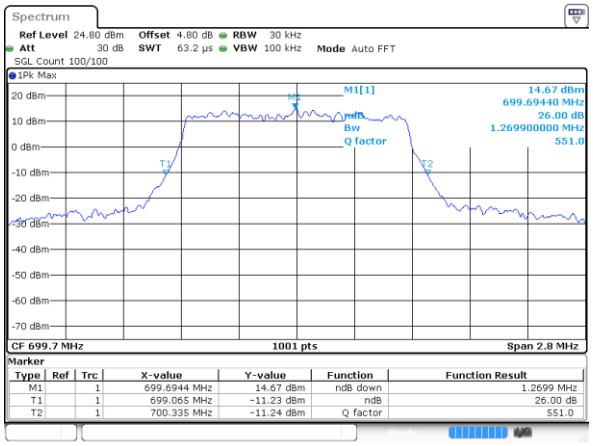


26dB Bandwidth

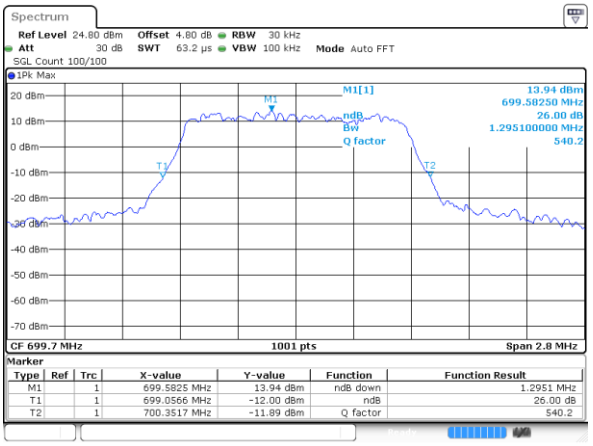
Mode	LTE Band 12 : 26dB BW(MHz)							
BW	1.4MHz		3MHz		5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.270	1.295	2.925	2.961	4.925	5.075	10.15	9.75
Middle CH	1.264	1.278	2.949	2.961	5.015	4.935	9.91	9.85
Highest CH	1.287	1.278	2.949	2.961	4.975	4.895	9.85	9.95

LTE Band 12

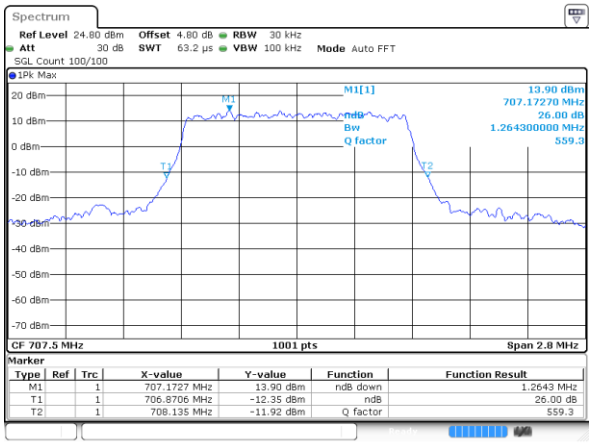
Lowest Channel / 1.4MHz / QPSK



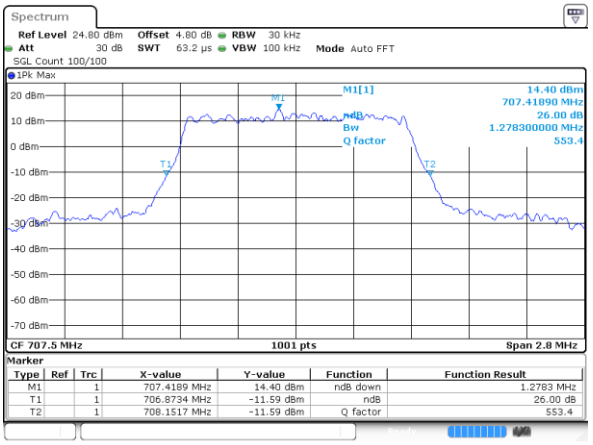
Lowest Channel / 1.4MHz / 16QAM



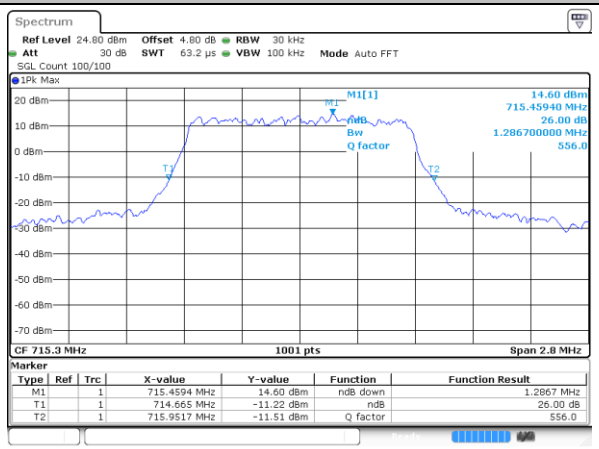
Middle Channel / 1.4MHz / QPSK



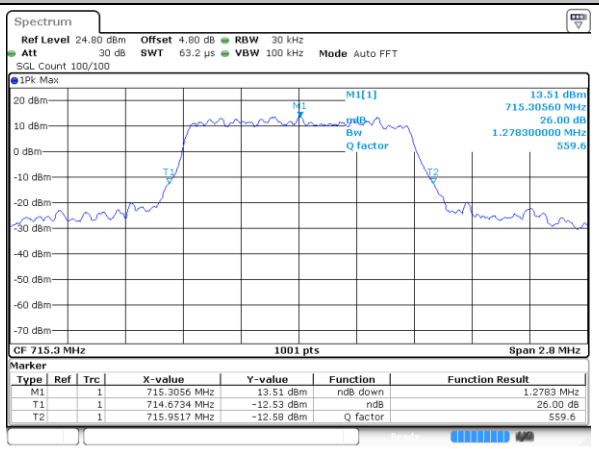
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

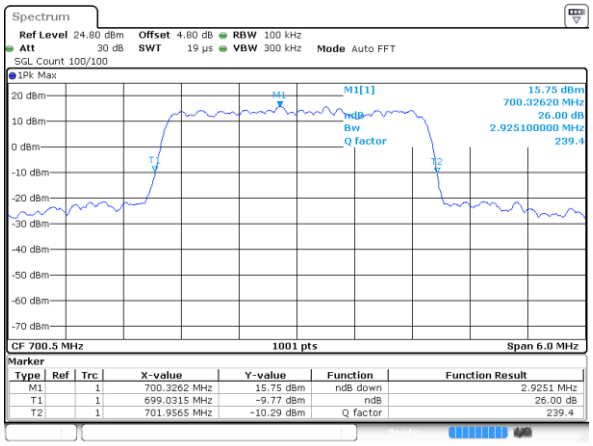


Highest Channel / 1.4MHz / 16QAM

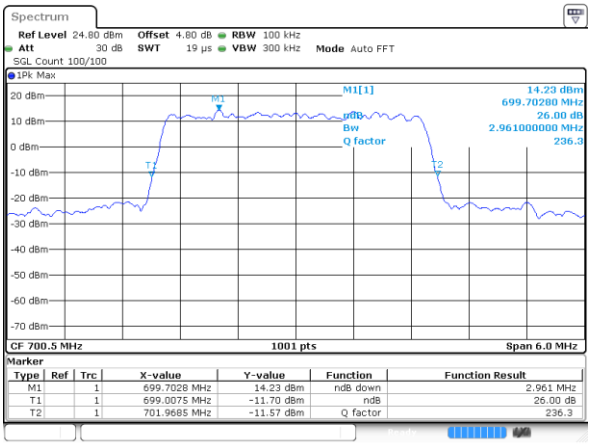


LTE Band 12

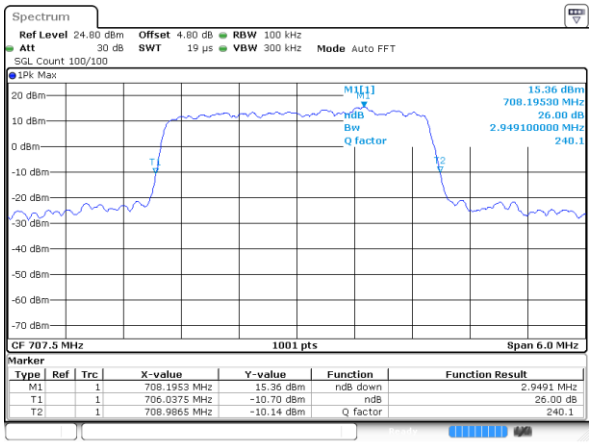
Lowest Channel / 3MHz / QPSK



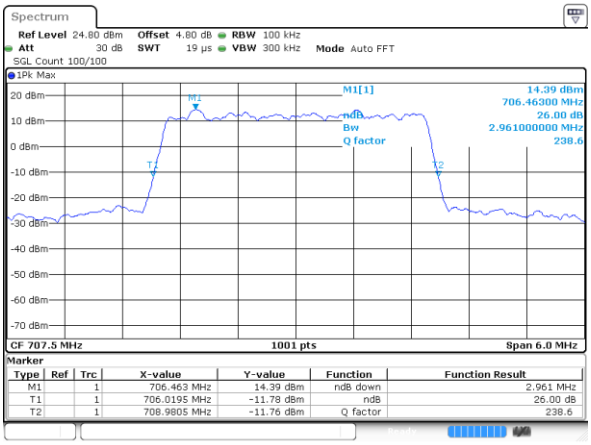
Lowest Channel / 3MHz / 16QAM



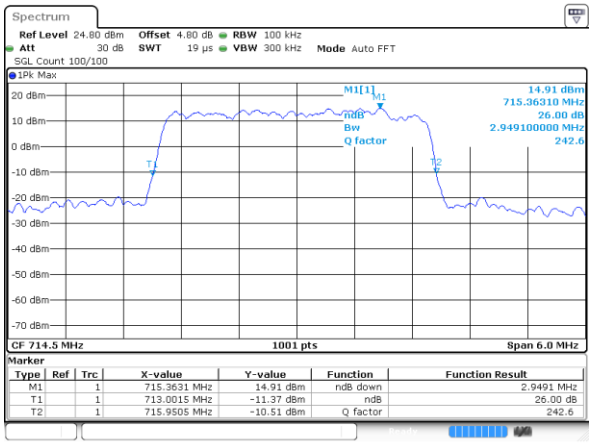
Middle Channel / 3MHz / QPSK



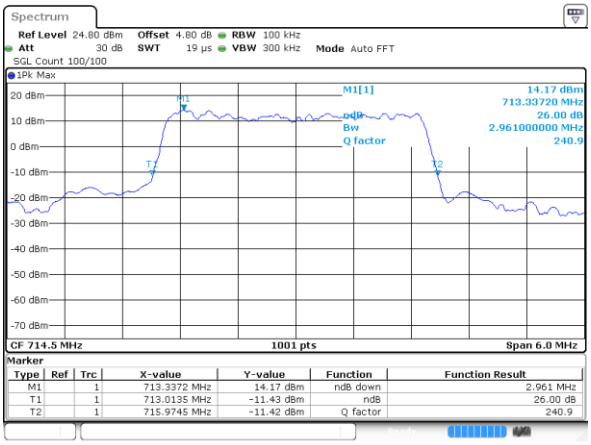
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

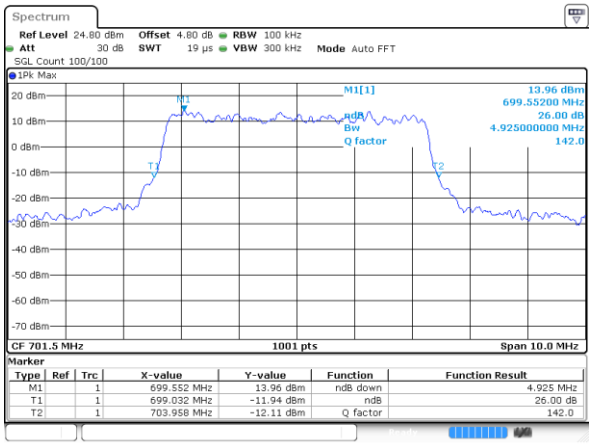


Highest Channel / 3MHz / 16QAM

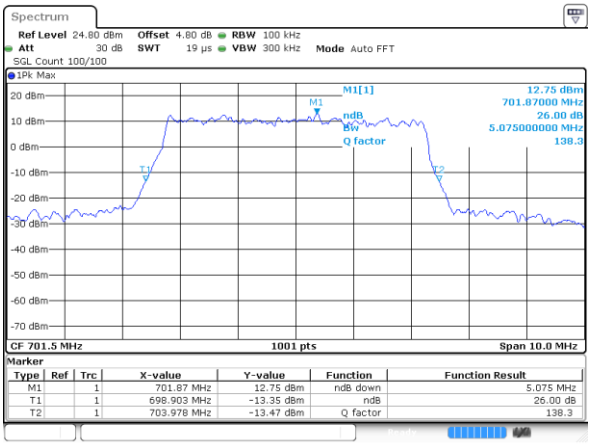


LTE Band 12

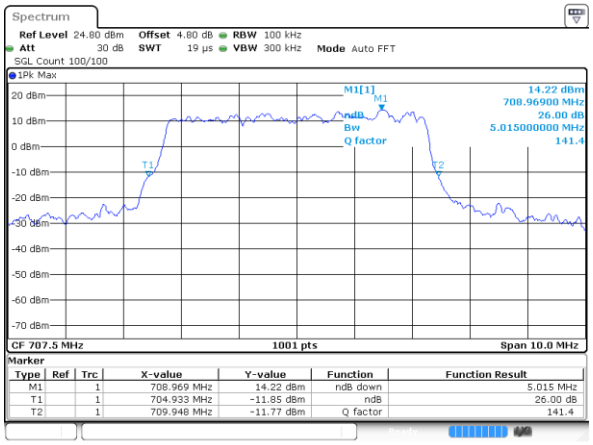
Lowest Channel / 5MHz / QPSK



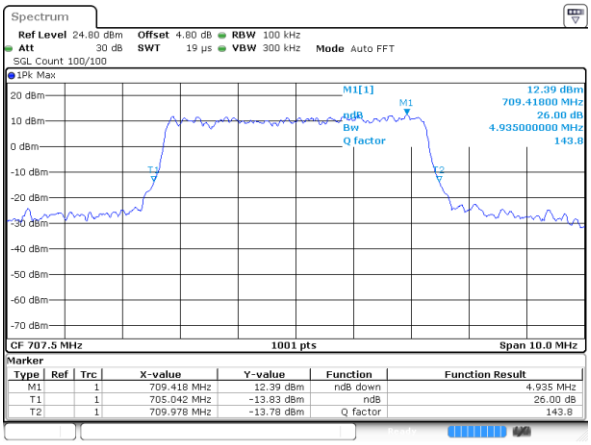
Lowest Channel / 5MHz / 16QAM



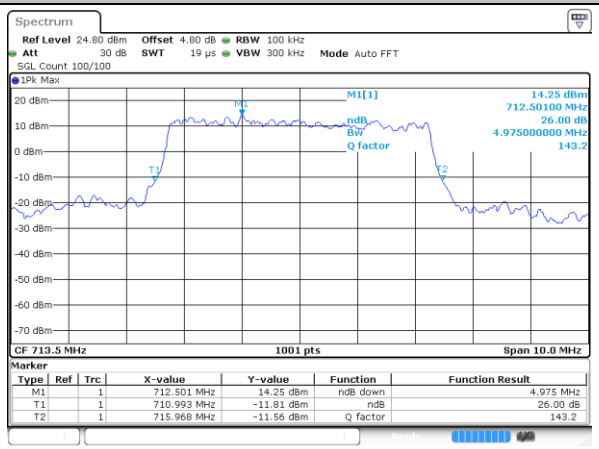
Middle Channel / 5MHz / QPSK



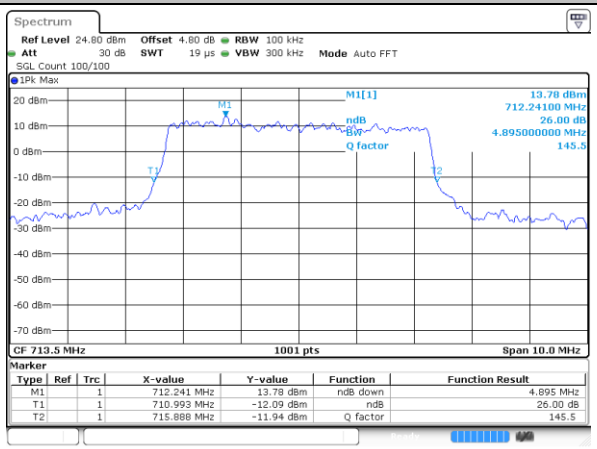
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

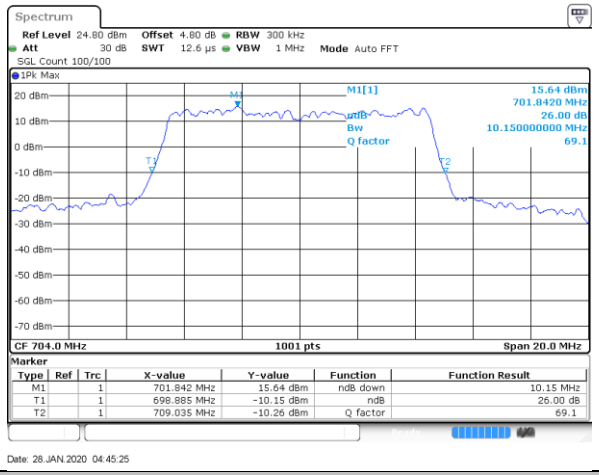


Highest Channel / 5MHz / 16QAM



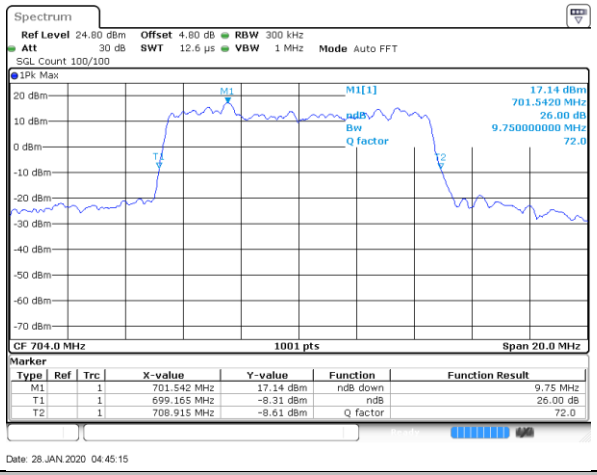
LTE Band 12

Lowest Channel / 10MHz / QPSK



Date: 28.JAN.2020 04:45:25

Lowest Channel / 10MHz / 16QAM



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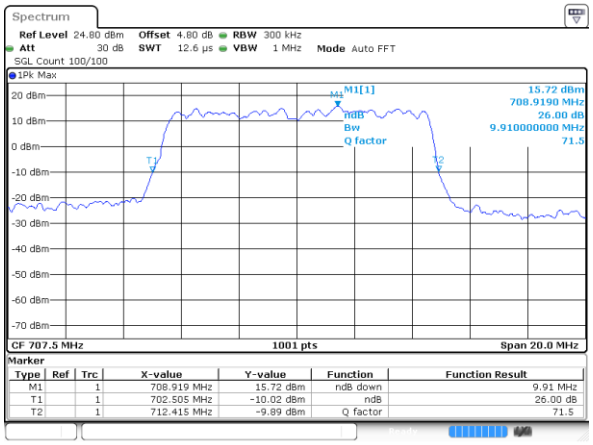
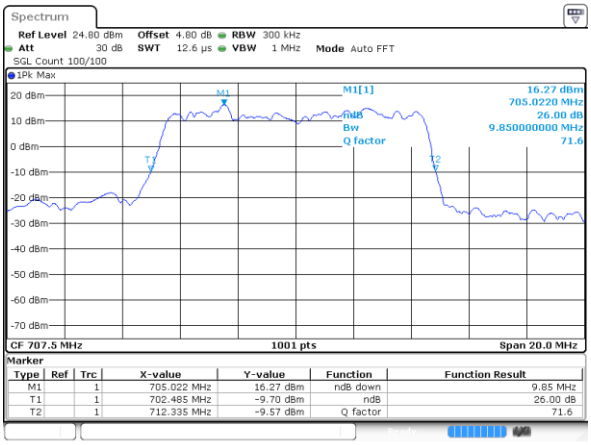
Middle Channel / 10MHz / QPSK



Date: 28.JAN.2020 04:44:55

Middle Channel / 10MHz / 16QAM



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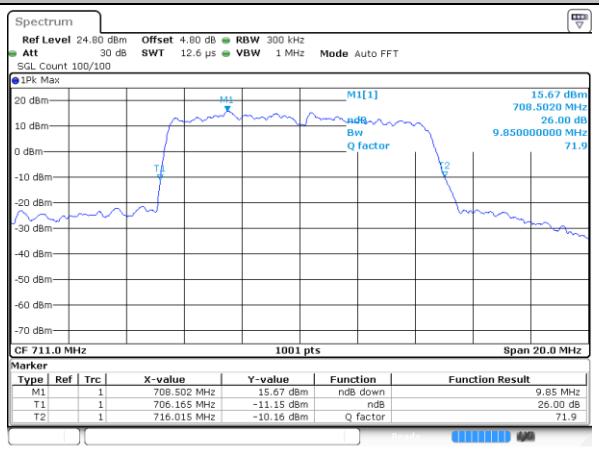
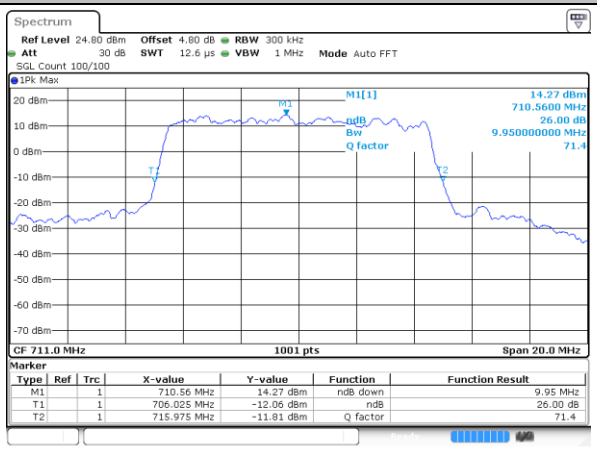
Highest Channel / 10MHz / QPSK



Date: 28.JAN.2020 04:44:45

Highest Channel / 10MHz / 16QAM



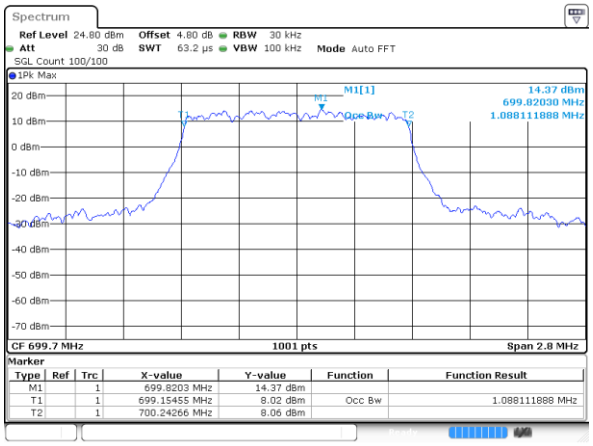
Date: 28.JAN.2020 04:44:35

Occupied Bandwidth

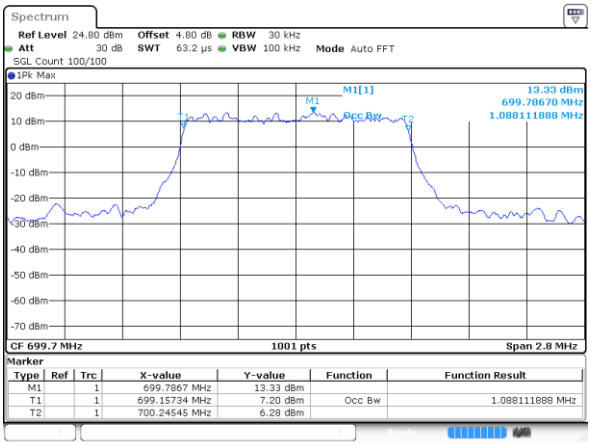
Mode	LTE Band 12 : 99%OBW(MHz)							
BW	1.4MHz		3MHz		5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.088	1.088	2.715	2.691	4.496	4.476	9.111	9.071
Middle CH	1.094	1.091	2.715	2.715	4.525	4.496	9.051	8.991
Highest CH	1.085	1.083	2.709	2.709	4.496	4.505	9.011	9.031

LTE Band 12

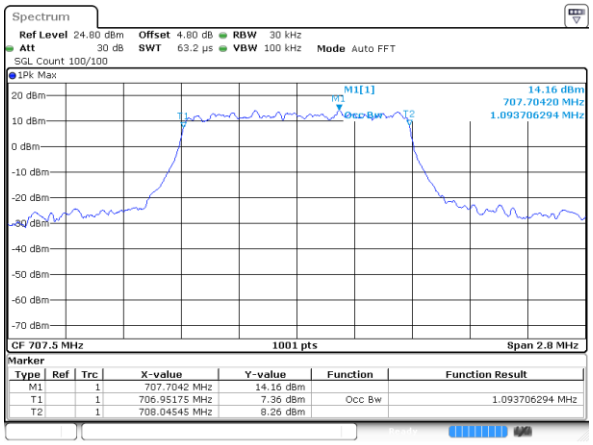
Lowest Channel / 1.4MHz / QPSK



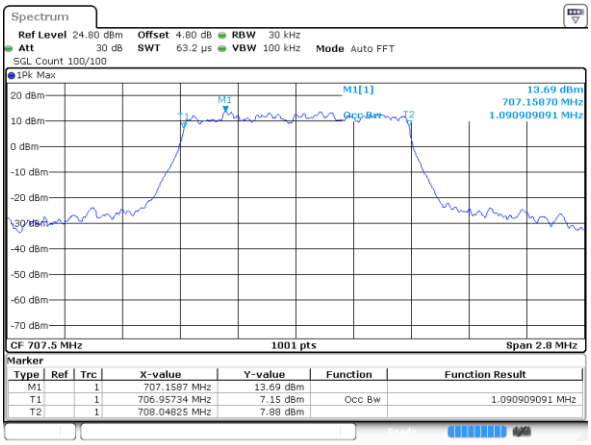
Lowest Channel / 1.4MHz / 16QAM



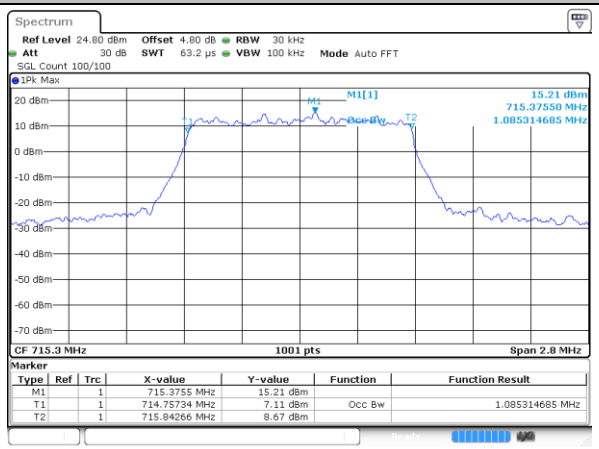
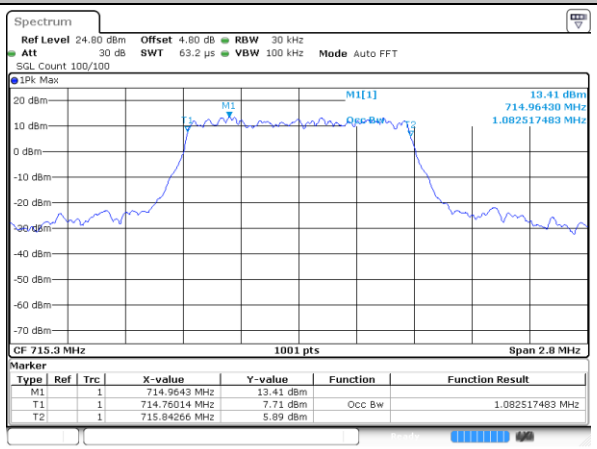
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM