

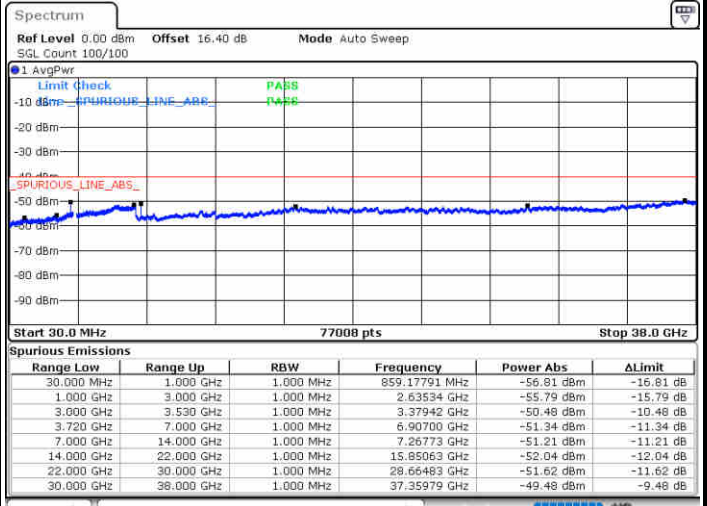
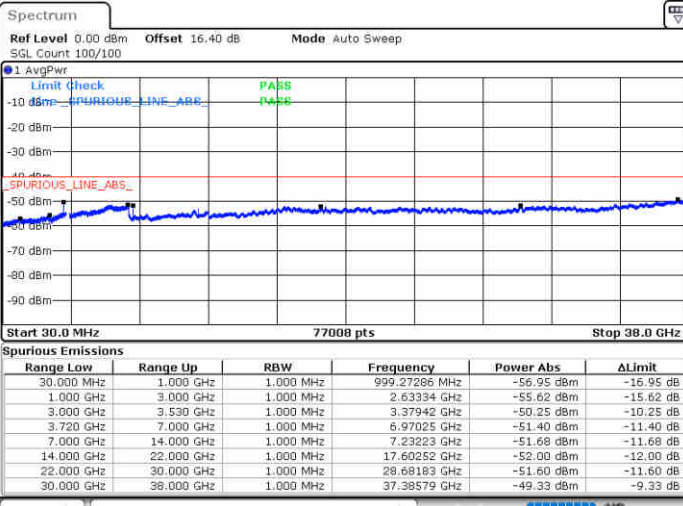


LTE Band 48 / 20MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

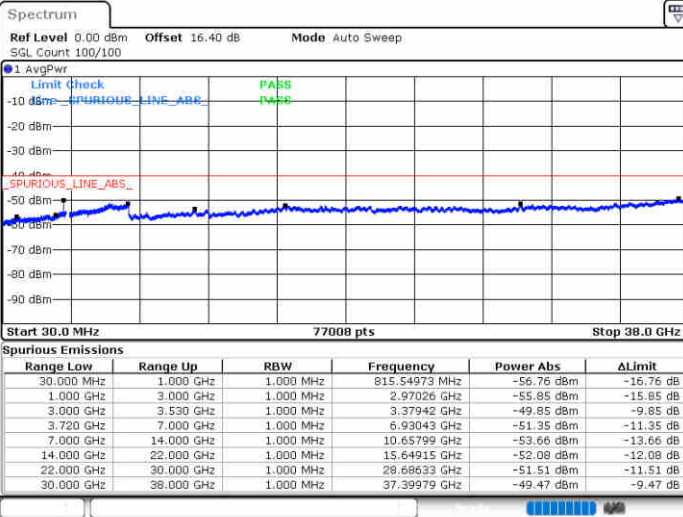


Date: 19.AUG.2020 18:47:59

Date: 19.AUG.2020 18:57:39

Middle Channel / FullRB

N/A



Date: 19.AUG.2020 18:38:19

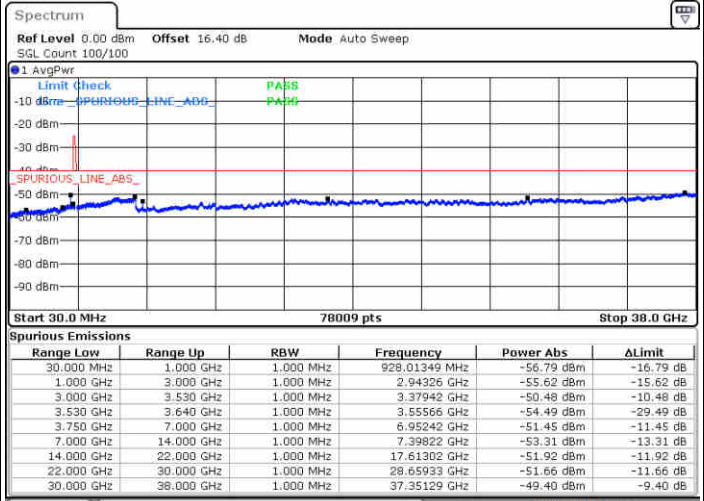
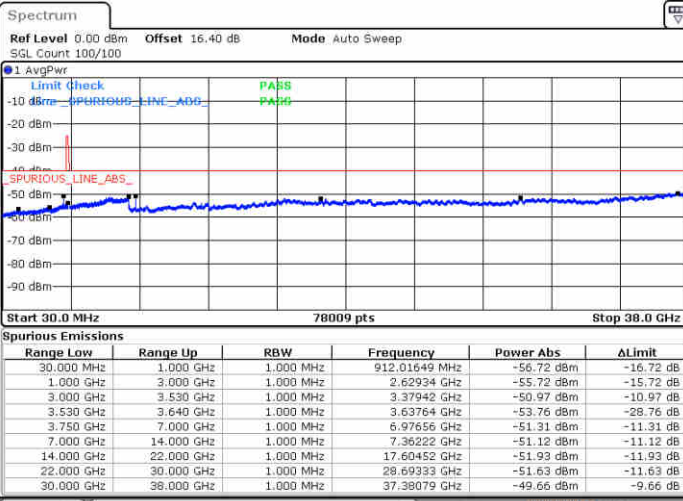


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

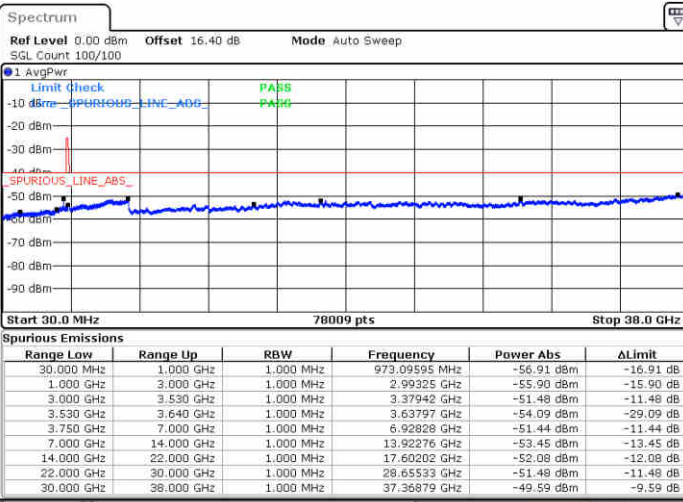


Date: 19.AUG.2020 19:51:13

Date: 19.AUG.2020 19:00:52

Highest Channel / FullRB

N/A



Date: 19.AUG.2020 19:41:52

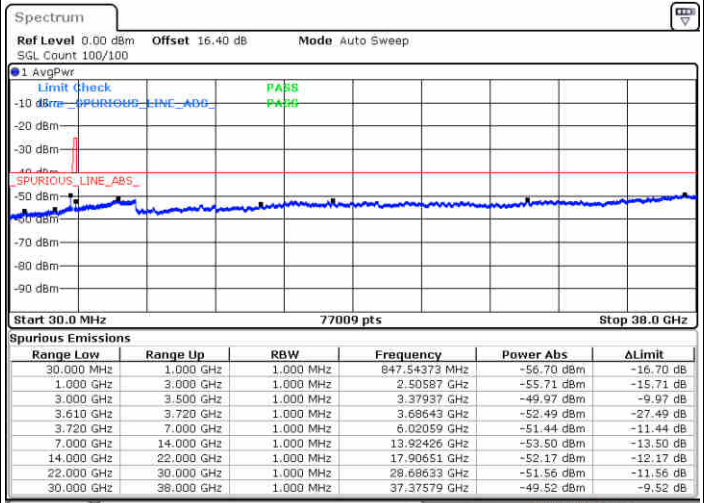
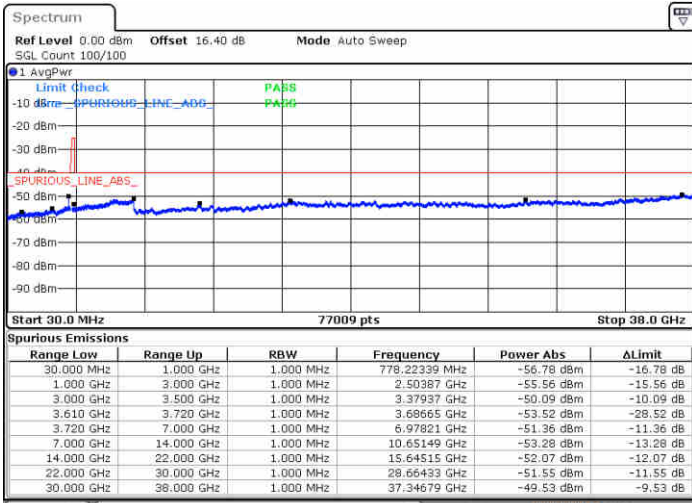


LTE Band 48 / 5MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

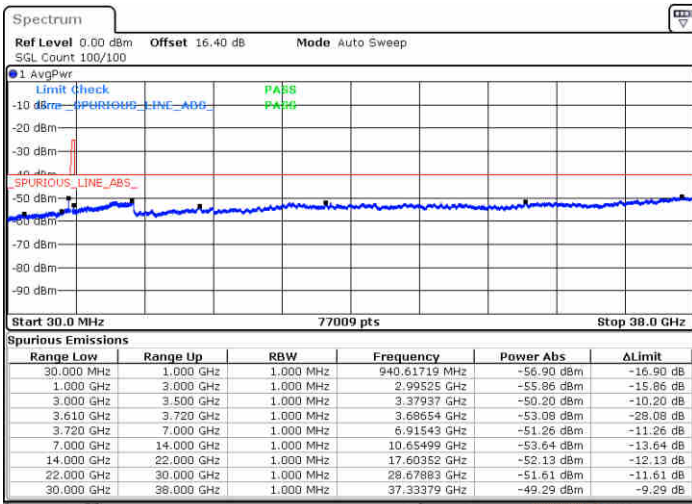


Date: 19.AUG.2020 17:05:23

Date: 19.AUG.2020 17:24:44

Lowest Channel / FullRB

N/A



Date: 19.AUG.2020 17:15:03

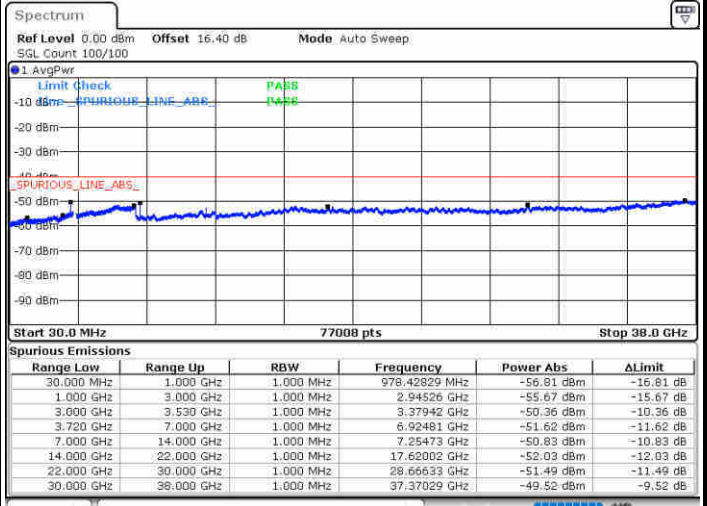
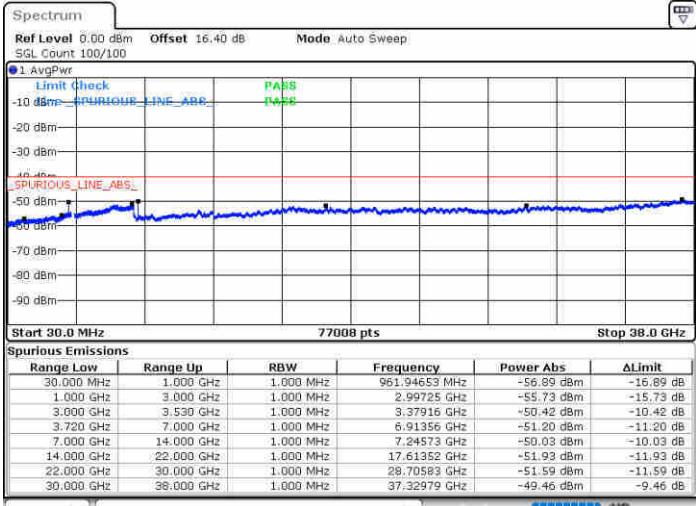


LTE Band 48 / 5MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

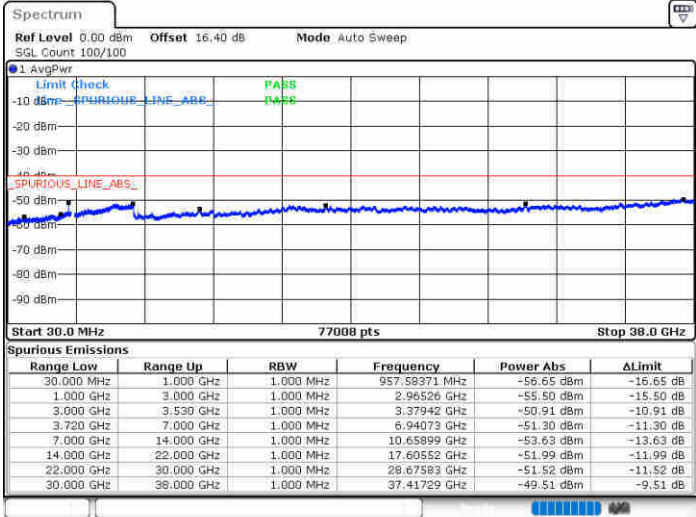


Date: 19.AUG.2020 17:07:30

Date: 19.AUG.2020 17:26:52

Middle Channel / FullRB

N/A



Date: 19.AUG.2020 17:17:11

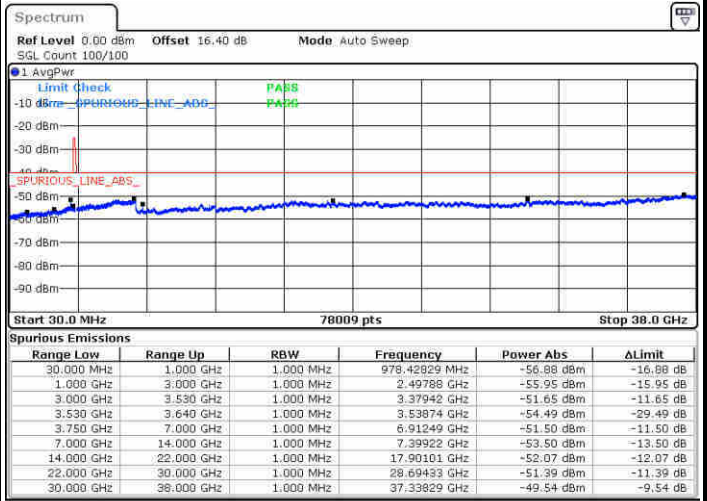
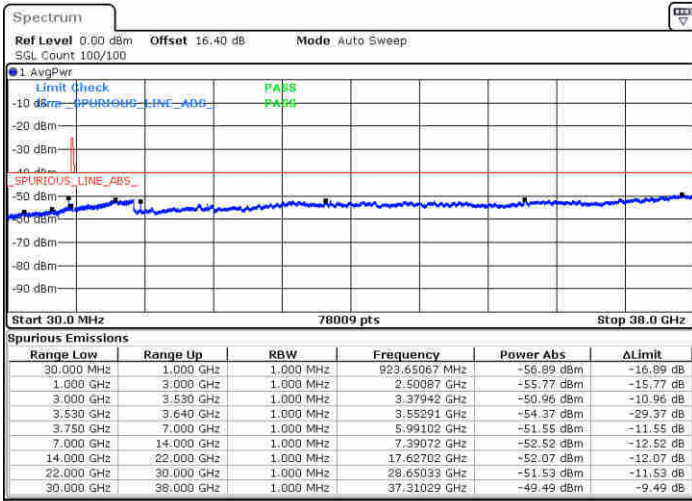


LTE Band 48 / 5MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

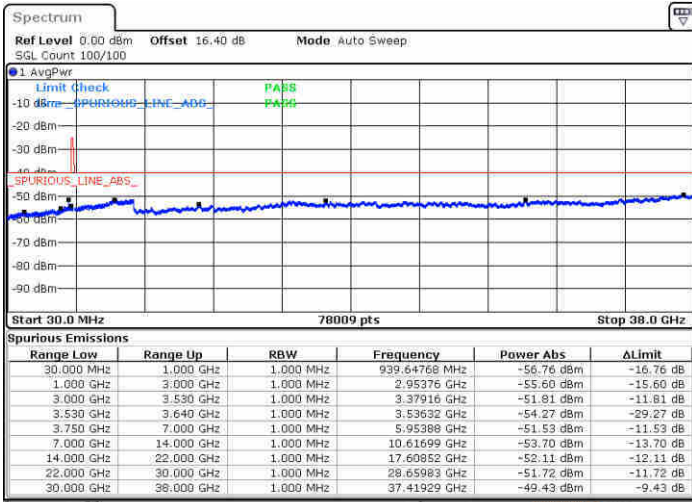


Date: 19.AUG.2020 17:10:44

Date: 19.AUG.2020 17:33:50

Highest Channel / FullRB

N/A



Date: 19.AUG.2020 17:20:24

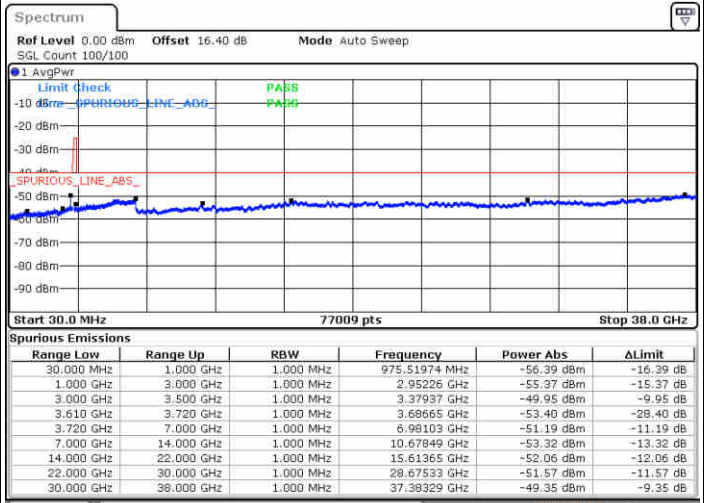
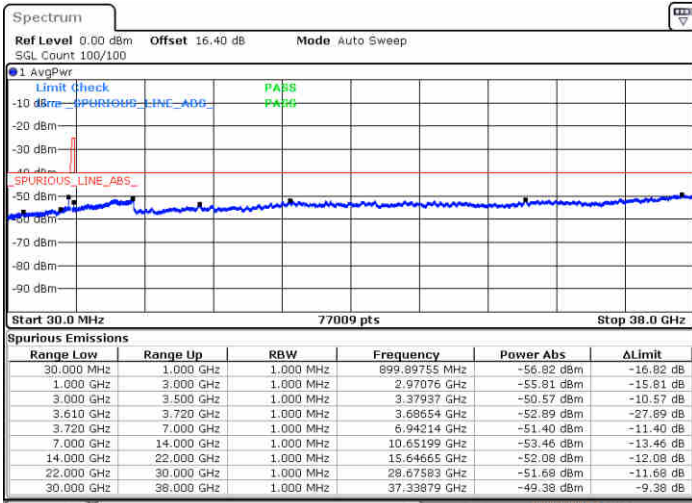


LTE Band 48 / 10MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

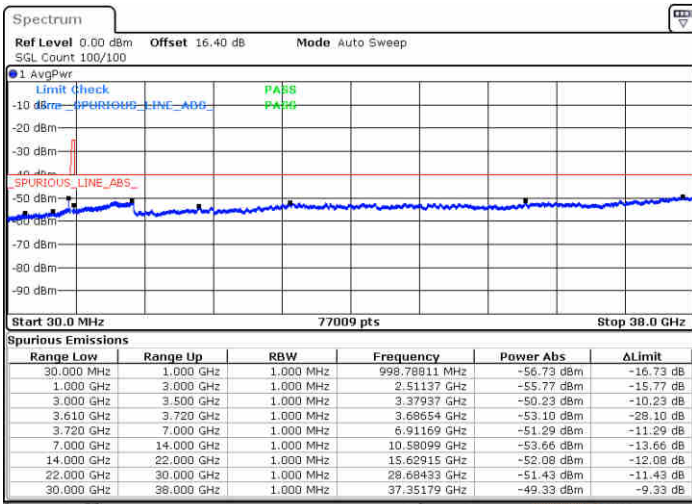


Date: 19.AUG.2020 17:36:00

Date: 19.AUG.2020 17:55:20

Lowest Channel / FullIRB

N/A



Date: 19.AUG.2020 17:45:40

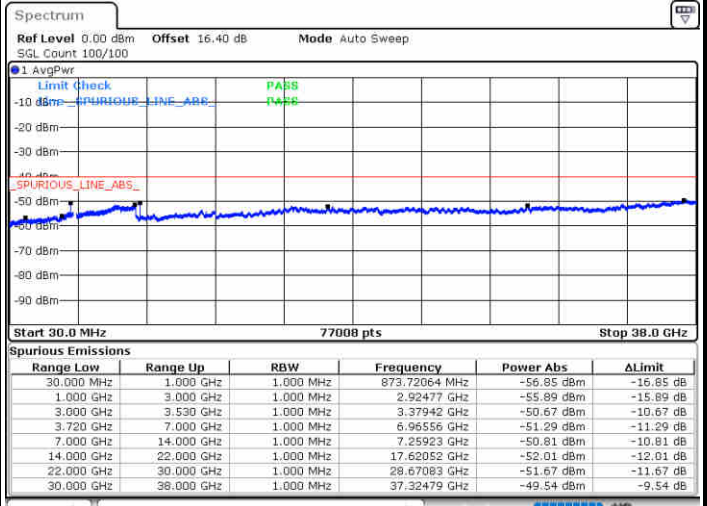
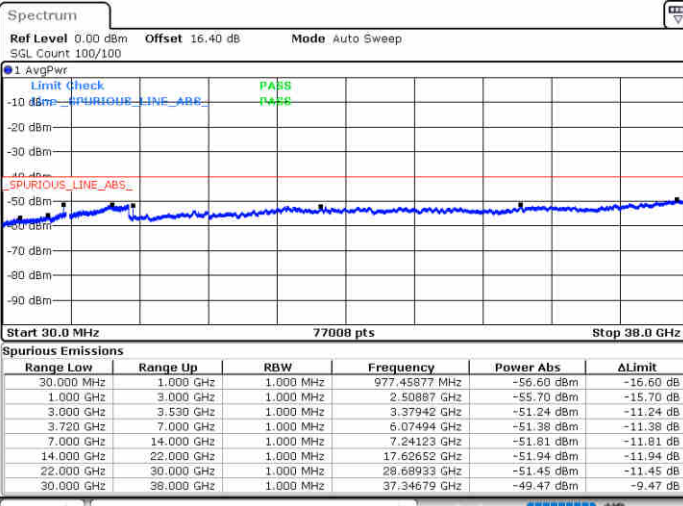


LTE Band 48 / 10MHz

64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax

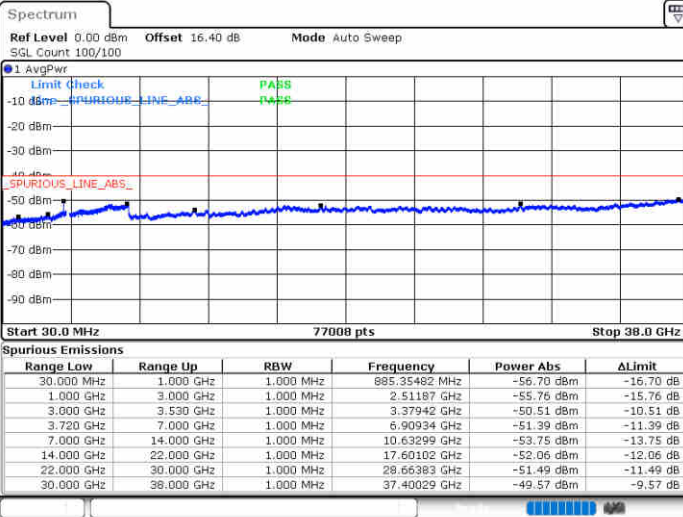


Date: 19.AUG.2020 17:41:21

Date: 19.AUG.2020 18:00:41

Middle Channel / FullRB

N/A



Date: 19.AUG.2020 17:51:01

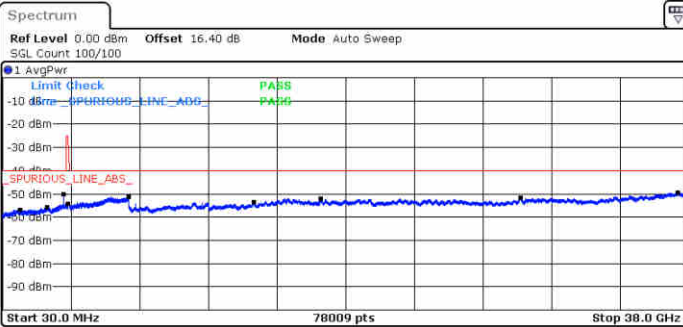


LTE Band 48 / 10MHz

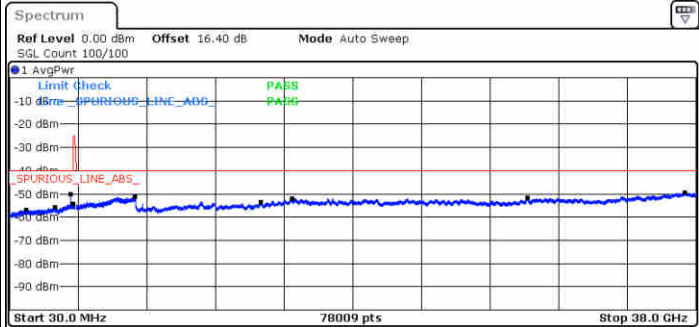
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-56.78 dBm	-16.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50537 GHz	-55.74 dBm	-15.74 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.37942 GHz	-60.07 dBm	-10.07 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.63874 GHz	-54.21 dBm	-29.21 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97841 GHz	-51.17 dBm	-11.17 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.93375 GHz	-53.55 dBm	-13.55 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.61452 GHz	-52.04 dBm	-12.04 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.69183 GHz	-51.55 dBm	-11.55 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.37829 GHz	-49.41 dBm	-9.41 dB



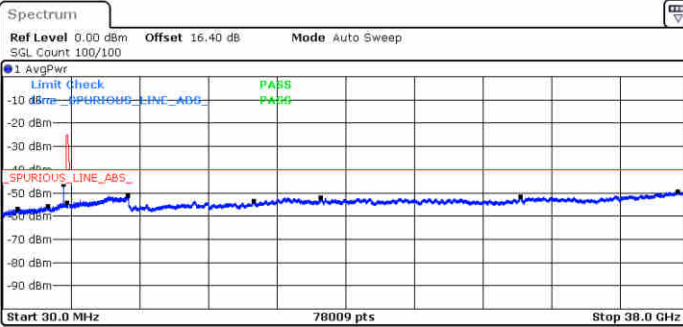
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-56.85 dBm	-16.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.54186 GHz	-55.88 dBm	-15.88 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.37916 GHz	-60.04 dBm	-10.04 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.53896 GHz	-54.42 dBm	-29.42 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.96356 GHz	-51.22 dBm	-11.22 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.91826 GHz	-53.44 dBm	-13.44 dB
14.000 GHz	22.000 GHz	1.000 MHz	15.64715 GHz	-51.93 dBm	-11.93 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.68933 GHz	-51.52 dBm	-11.52 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.37429 GHz	-49.40 dBm	-9.40 dB

Date: 19.AUG.2020 17:42:25

Date: 19.AUG.2020 18:01:46

Highest Channel / FullIRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.69315 MHz	-56.95 dBm	-16.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51387 GHz	-55.85 dBm	-15.85 dB
3.000 GHz	3.530 GHz	1.000 MHz	3.37942 GHz	-46.47 dBm	-6.47 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.57104 GHz	-54.46 dBm	-29.46 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.94824 GHz	-51.32 dBm	-11.32 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.91476 GHz	-53.68 dBm	-13.68 dB
14.000 GHz	22.000 GHz	1.000 MHz	17.62002 GHz	-52.04 dBm	-12.04 dB
22.000 GHz	30.000 GHz	1.000 MHz	28.65233 GHz	-51.64 dBm	-11.64 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.38479 GHz	-49.39 dBm	-9.39 dB

Date: 19.AUG.2020 17:52:06

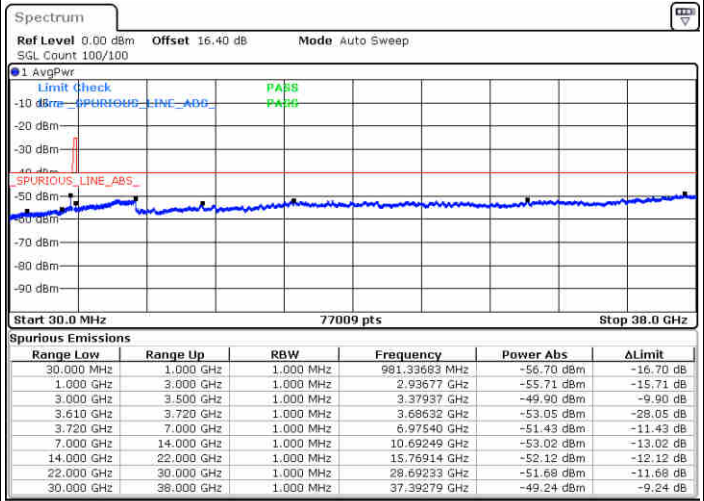
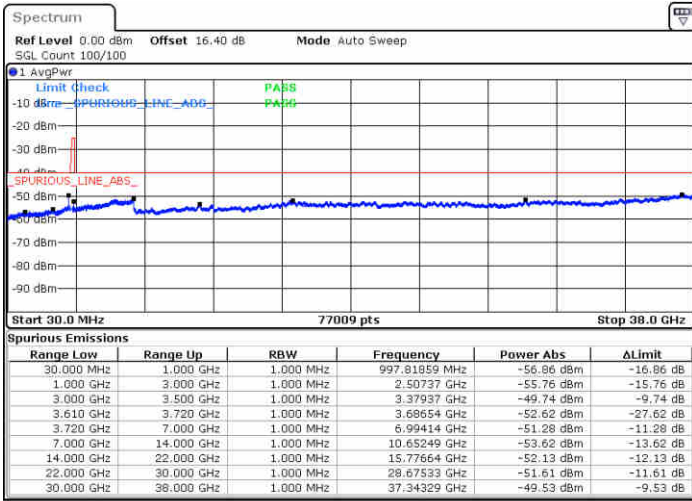


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

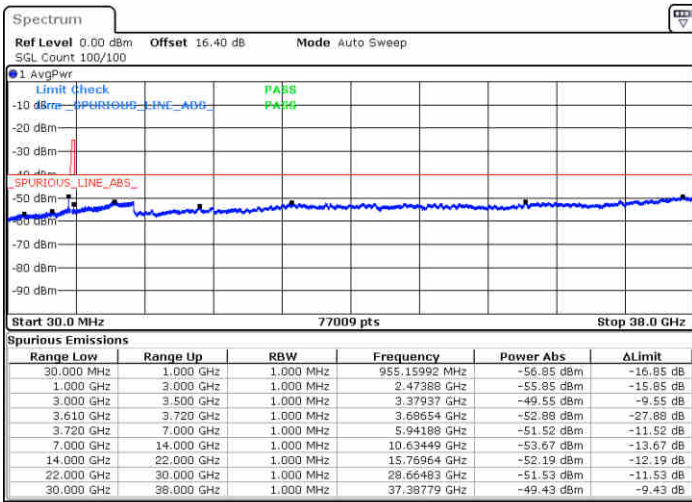


Date: 19.AUG.2020 18:07:10

Date: 19.AUG.2020 18:26:30

Lowest Channel / FullIRB

N/A



Date: 19.AUG.2020 18:16:51

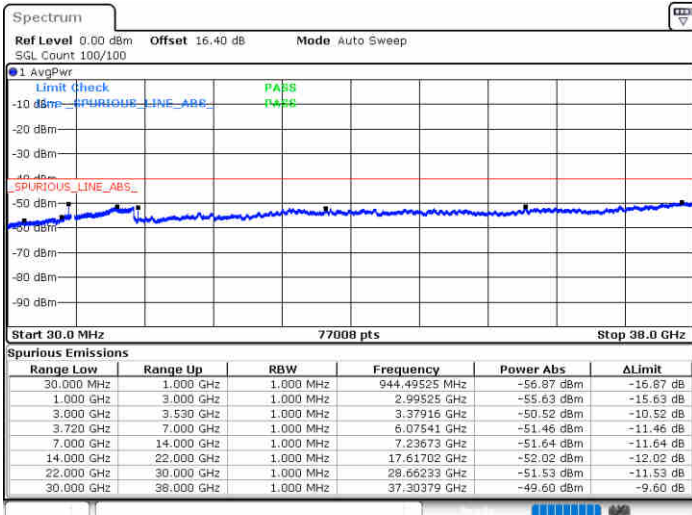


LTE Band 48 / 15MHz

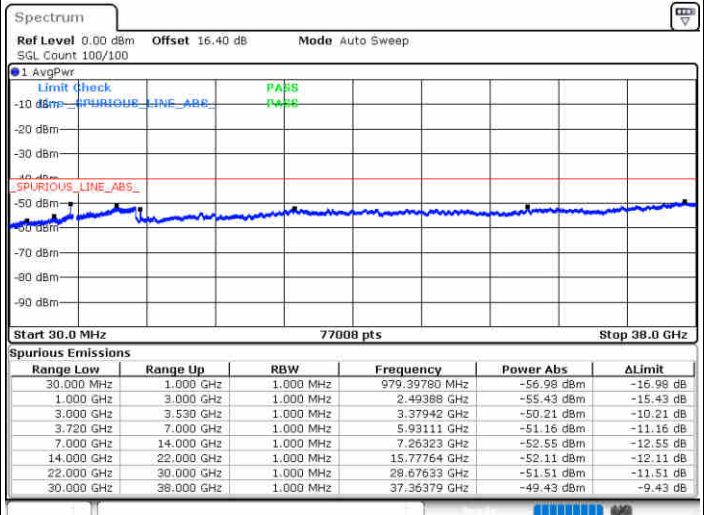
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



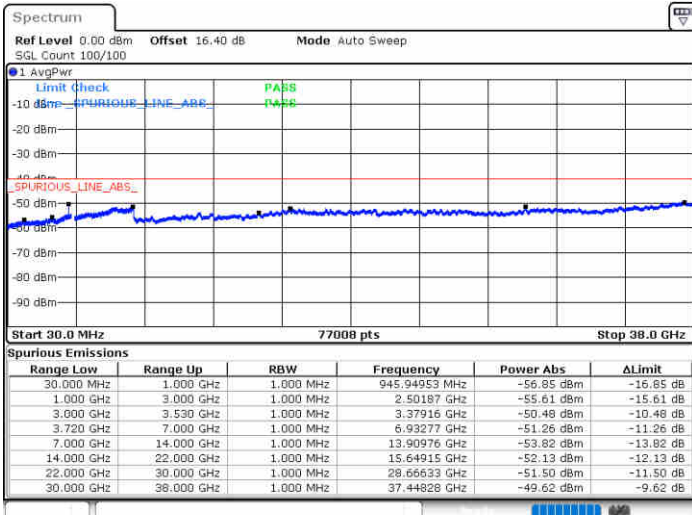
Date: 19.AUG.2020 18:08:14



Date: 19.AUG.2020 18:27:35

Middle Channel / FullRB

N/A



Date: 19.AUG.2020 18:17:55

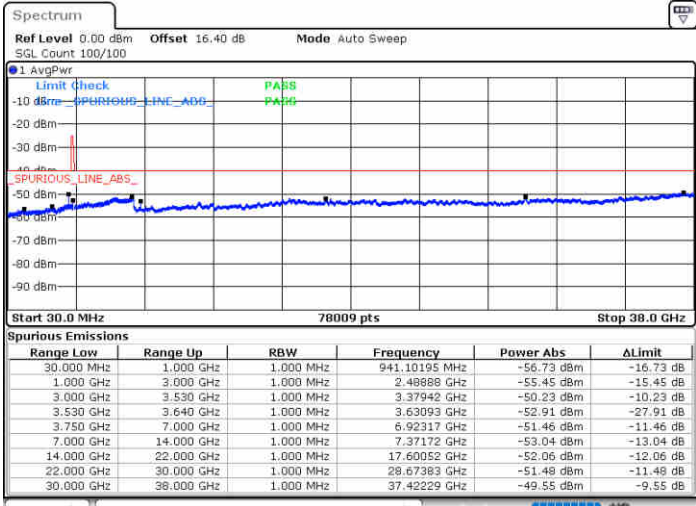


LTE Band 48 / 15MHz

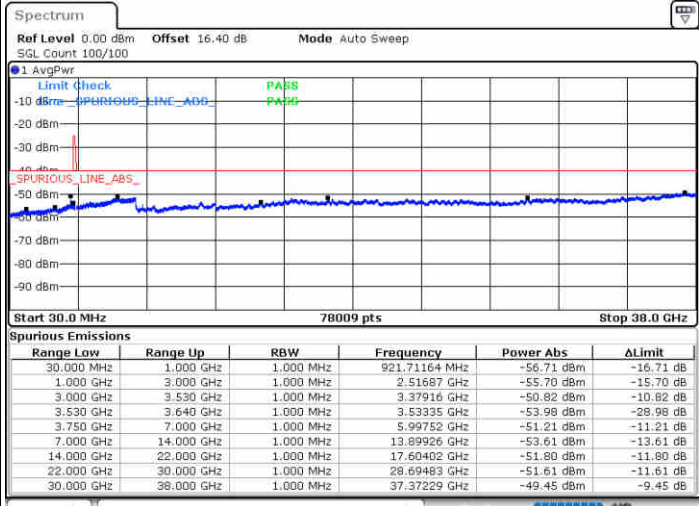
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



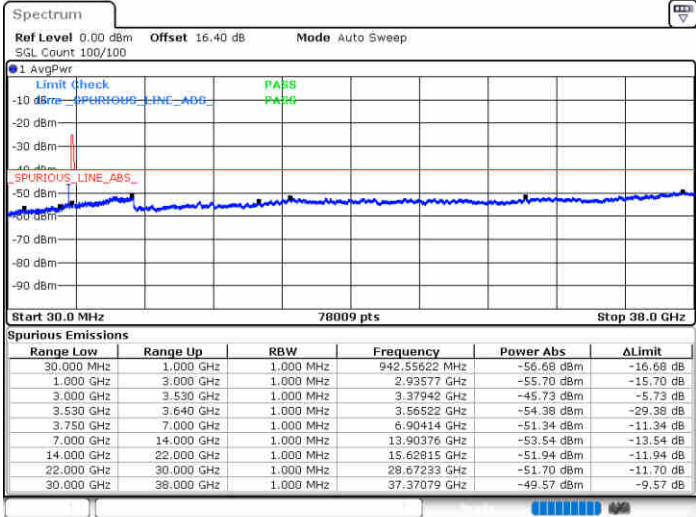
Date: 19.AUG.2020 18:13:37



Date: 19.AUG.2020 18:32:57

Highest Channel / FullIRB

N/A



Date: 19.AUG.2020 18:23:17

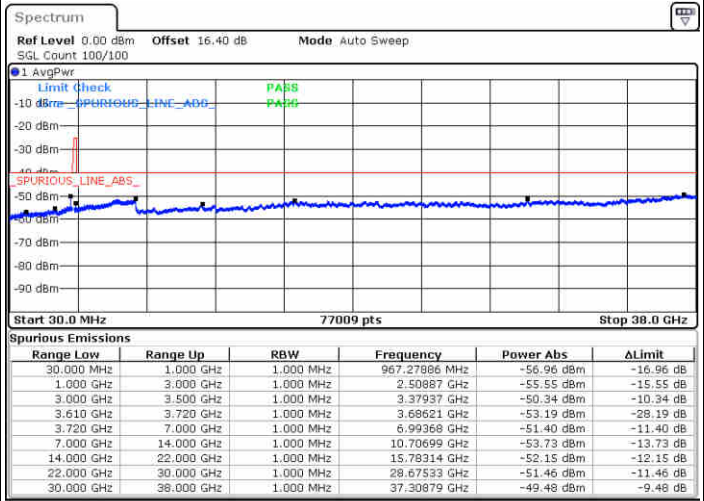
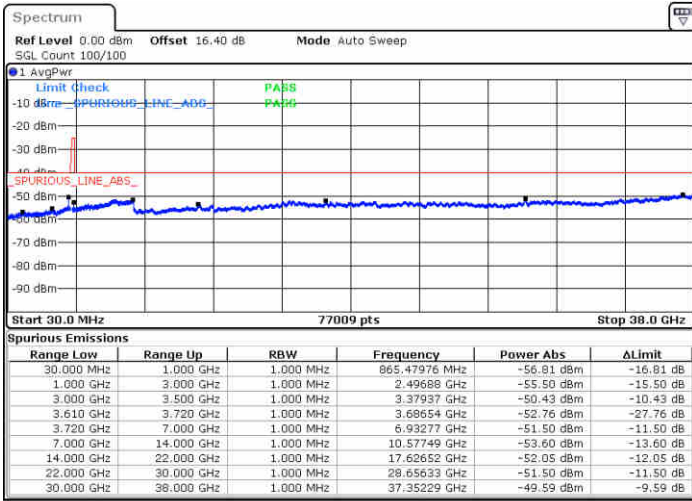


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

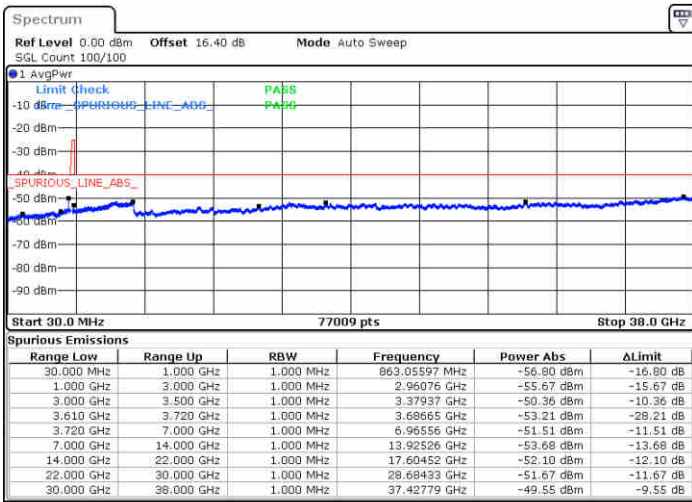


Date: 19.AUG.2020 18:43:42

Date: 19.AUG.2020 18:53:22

Lowest Channel / FullRB

N/A



Date: 19.AUG.2020 18:34:02

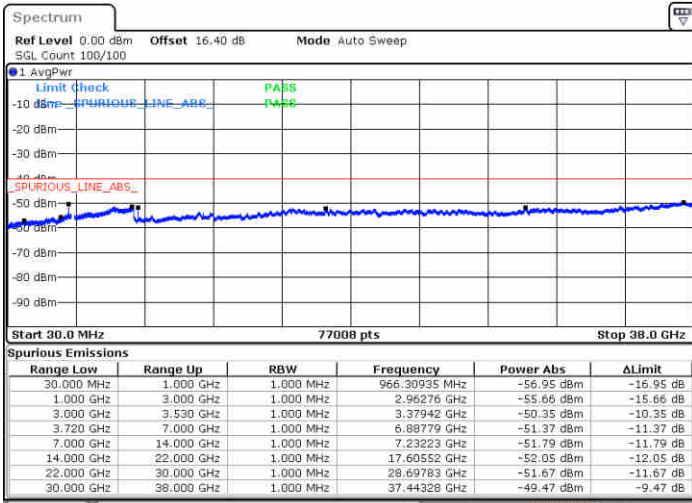


LTE Band 48 / 20MHz

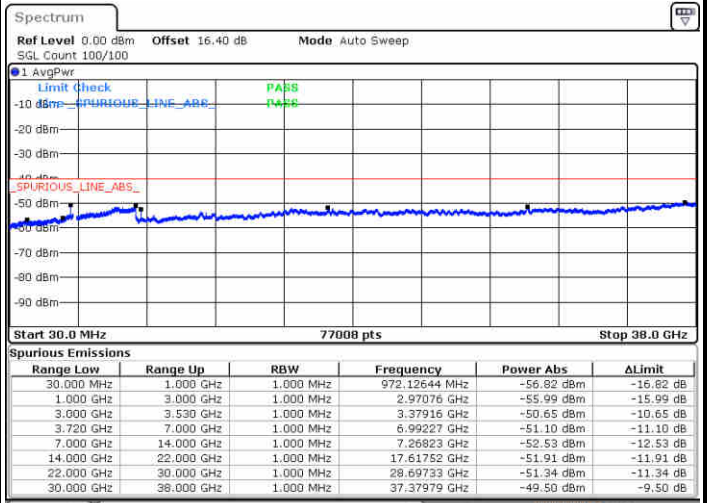
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



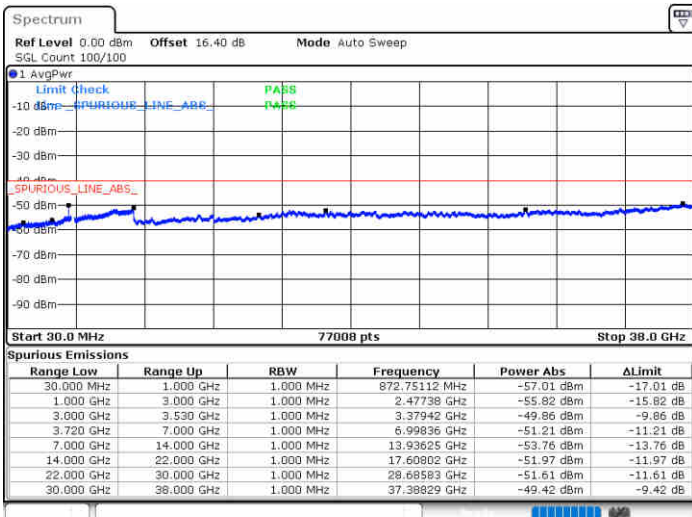
Date: 19.AUG.2020 18:49:03



Date: 19.AUG.2020 18:58:43

Middle Channel / FullRB

N/A



Date: 19.AUG.2020 18:39:23

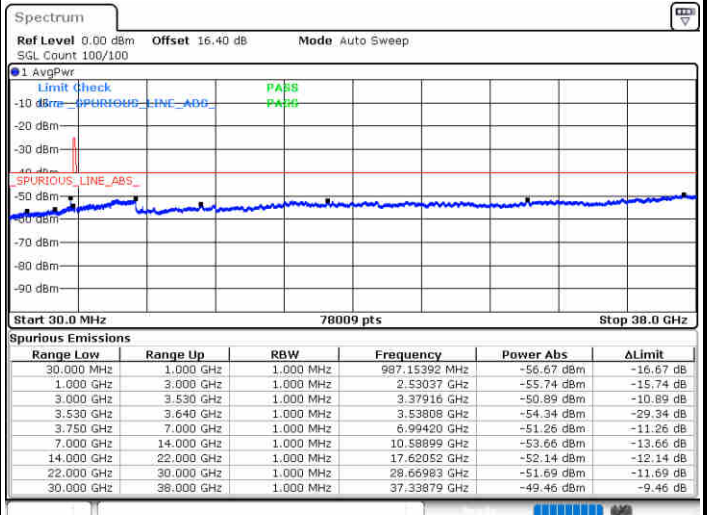
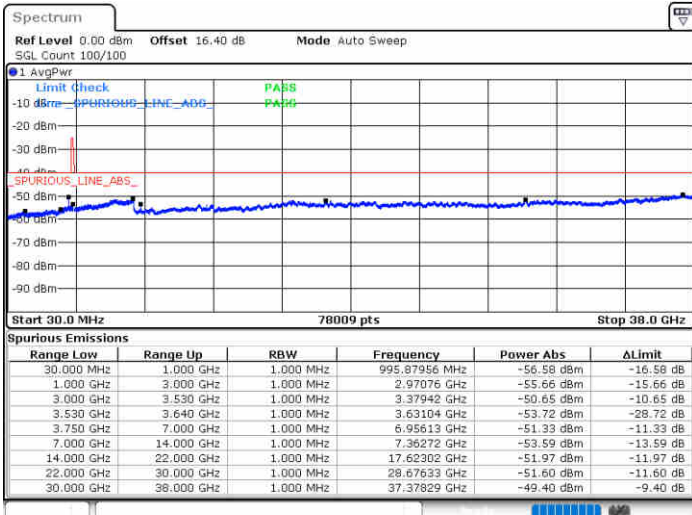


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

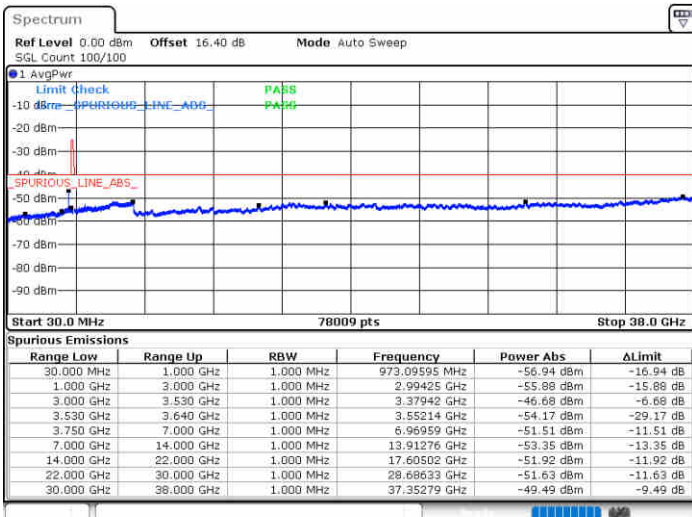


Date: 19.AUG.2020 18:50:08

Date: 19.AUG.2020 18:59:47

Highest Channel / FullIRB

N/A



Date: 19.AUG.2020 18:40:27

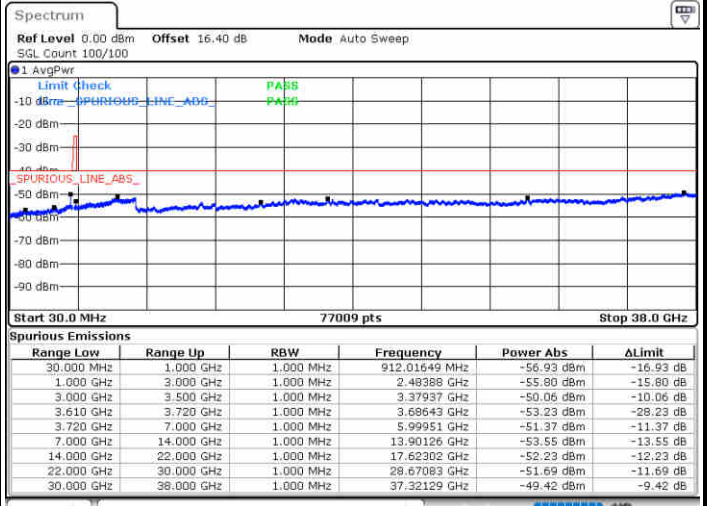
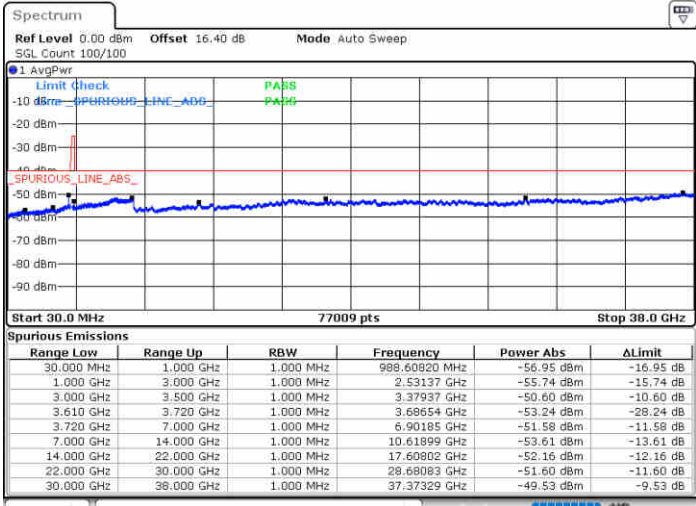


LTE Band 48 / 5MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

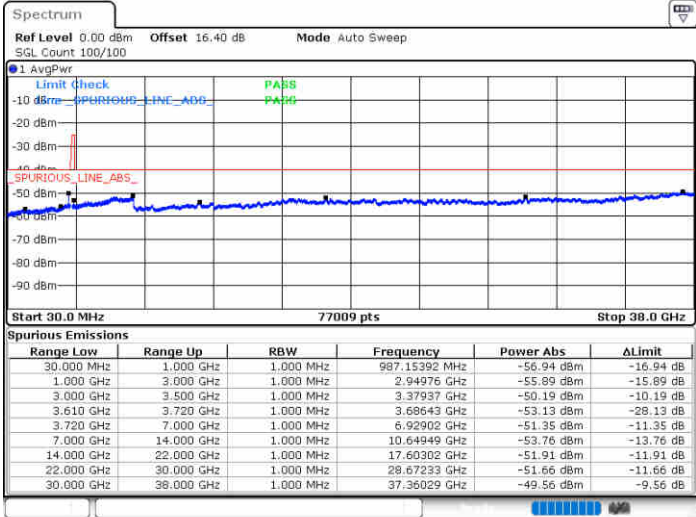


Date: 20.AUG.2020 10:05:45

Date: 20.AUG.2020 10:08:40

Lowest Channel / FullIRB

N/A



Date: 20.AUG.2020 10:03:03

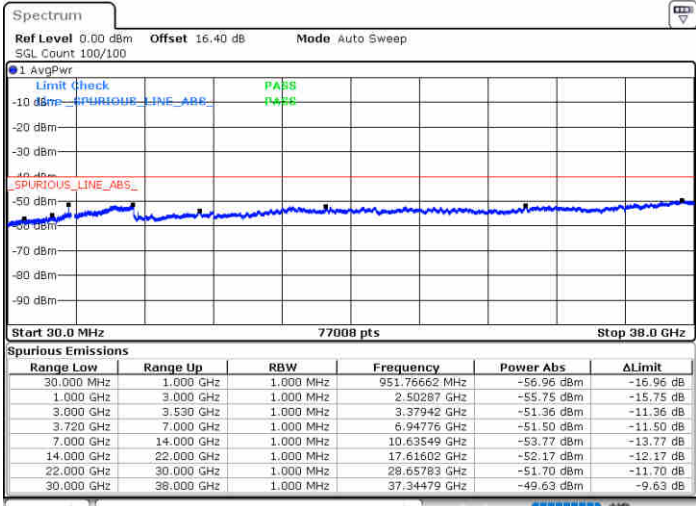


LTE Band 48 / 5MHz

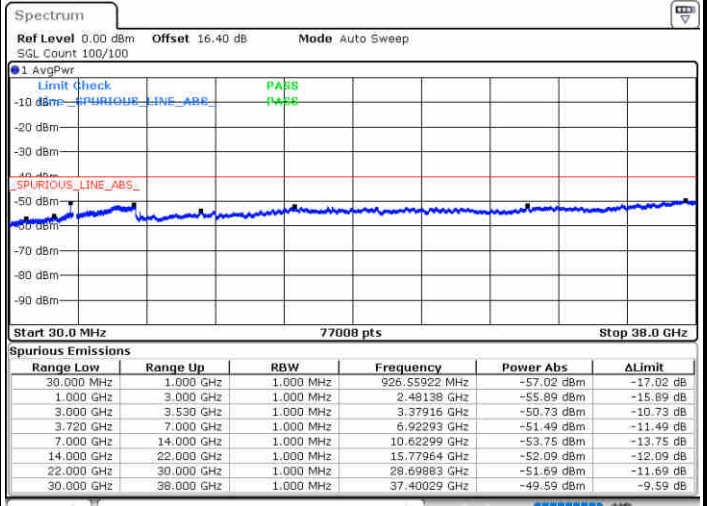
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



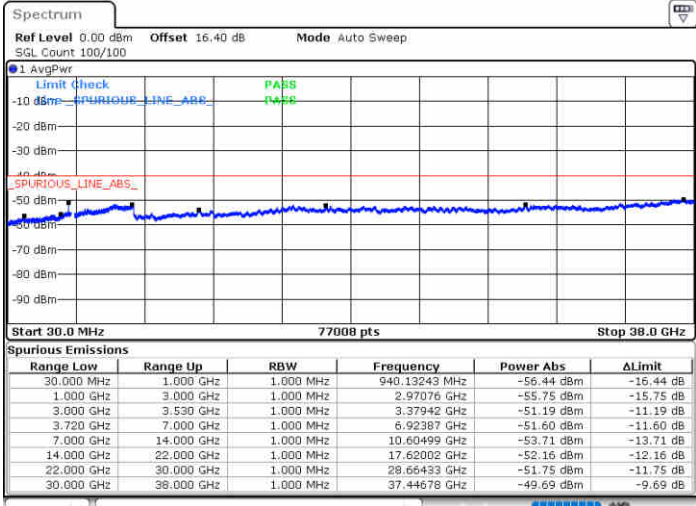
Date: 20.AUG.2020 10:19:58



Date: 20.AUG.2020 10:22:46

Middle Channel / FullRB

N/A



Date: 20.AUG.2020 10:17:07

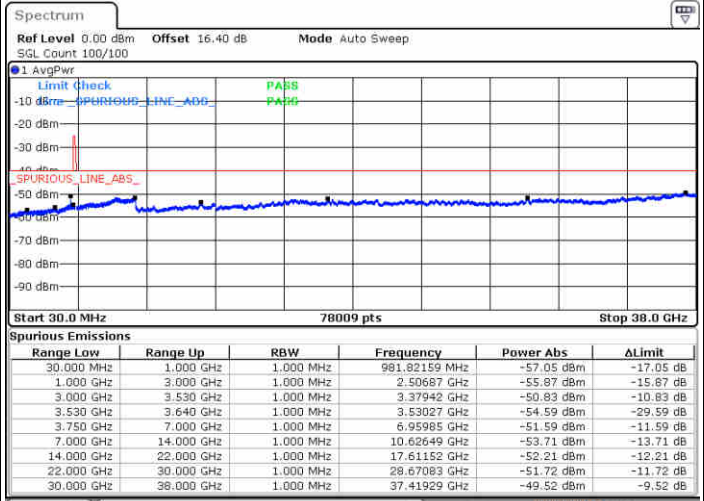
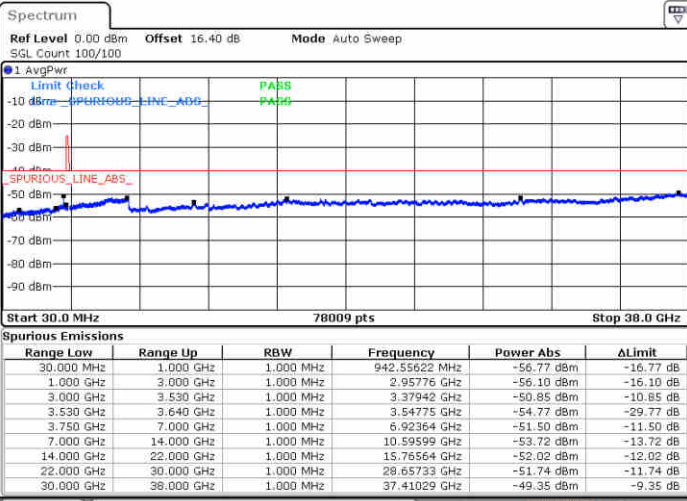


LTE Band 48 / 5MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

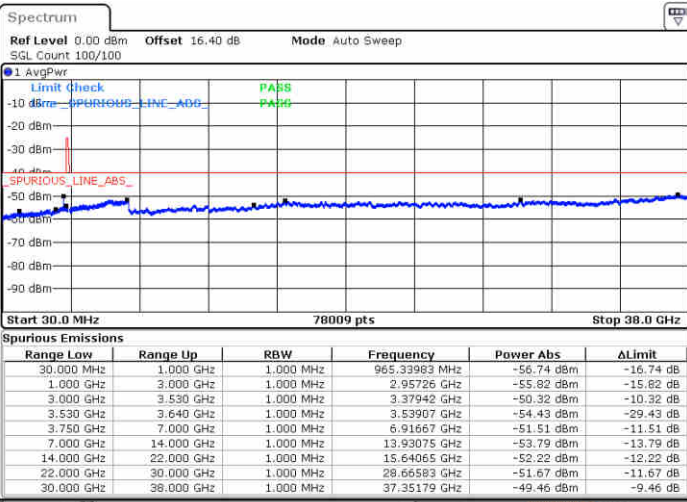


Date: 20.AUG.2020 10:29:09

Date: 20.AUG.2020 10:31:47

Highest Channel / FullIRB

N/A



Date: 20.AUG.2020 10:25:55

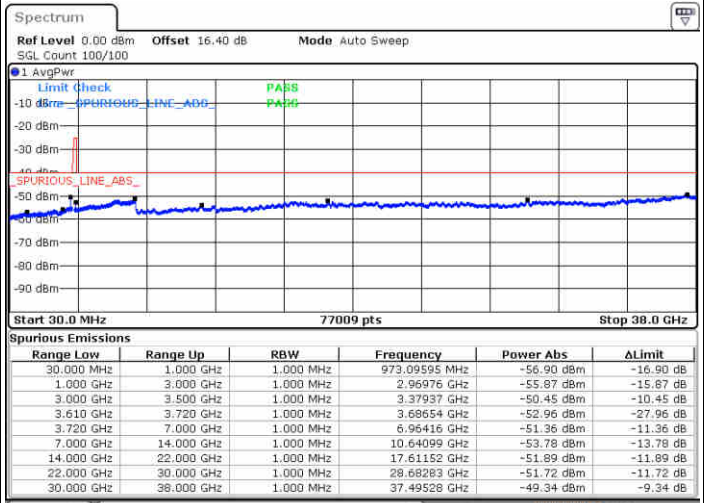
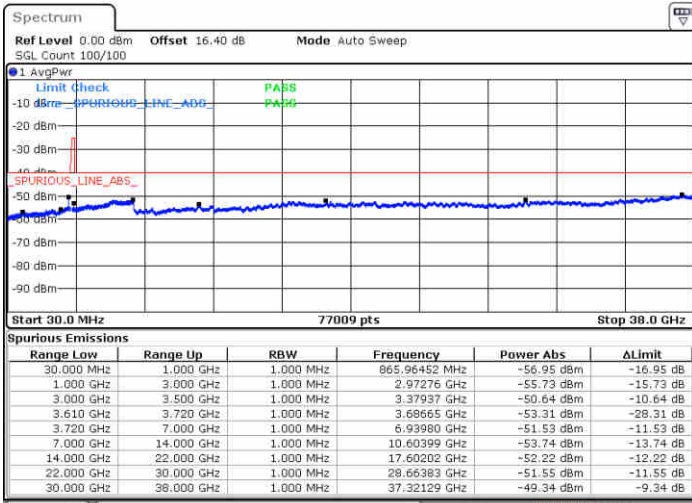


LTE Band 48 / 10MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

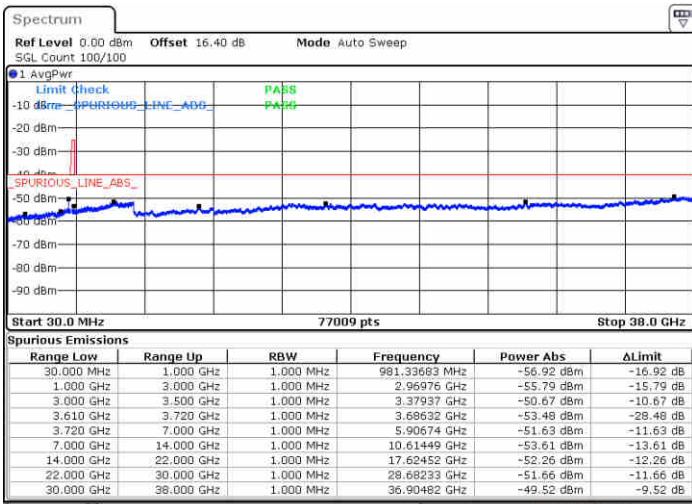


Date: 20.AUG.2020 15:44:55

Date: 20.AUG.2020 15:47:23

Lowest Channel / FullIRB

N/A



Date: 20.AUG.2020 15:42:23

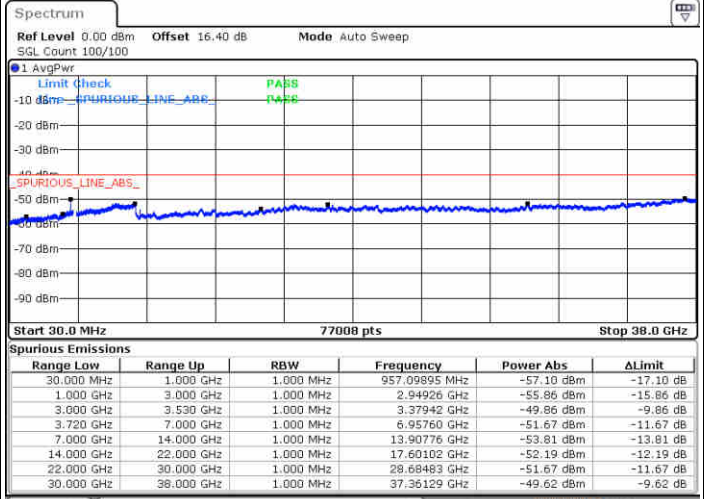
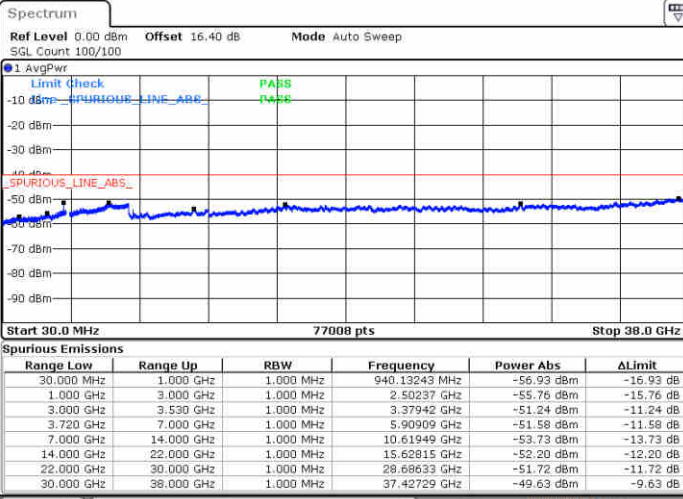


LTE Band 48 / 10MHz

256QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax

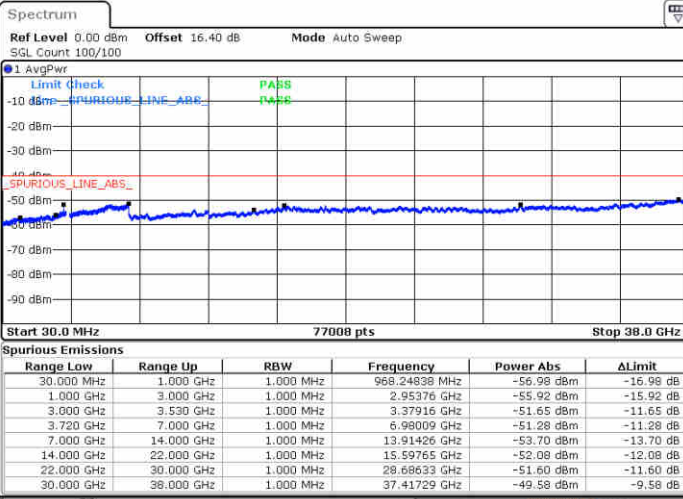


Date: 20.AUG.2020 15:53:16

Date: 20.AUG.2020 16:06:05

Middle Channel / FullRB

N/A



Date: 20.AUG.2020 15:50:39

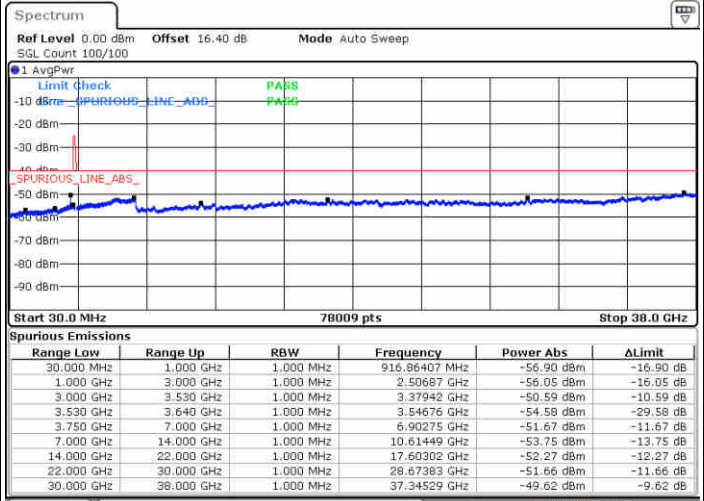
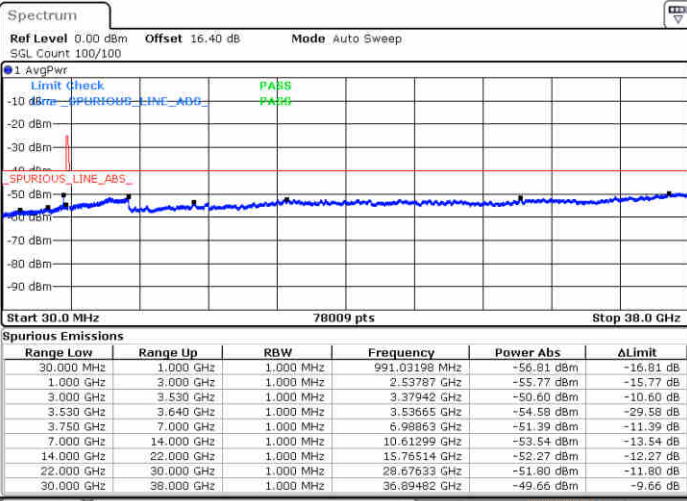


LTE Band 48 / 10MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

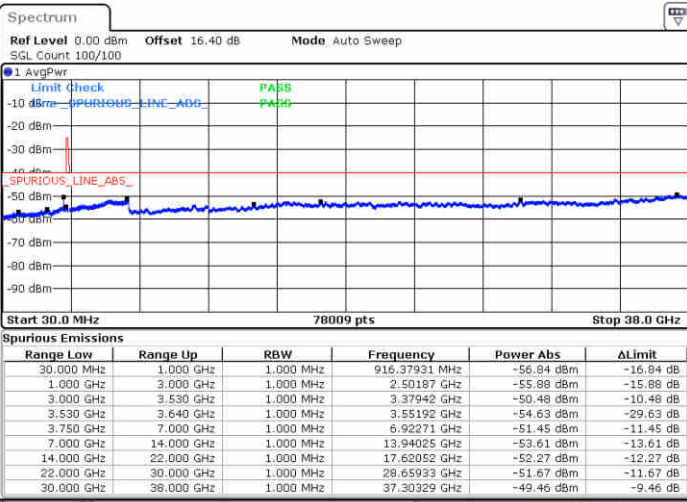


Date: 20.AUG.2020 15:59:52

Date: 20.AUG.2020 16:02:37

Highest Channel / FullIRB

N/A



Date: 20.AUG.2020 15:57:05

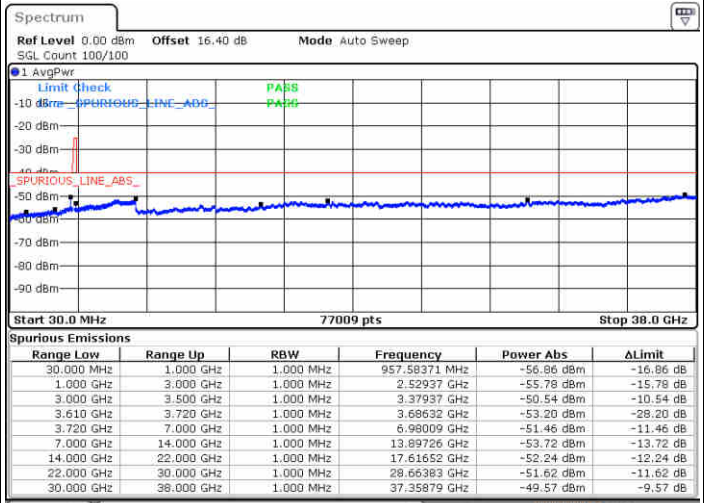
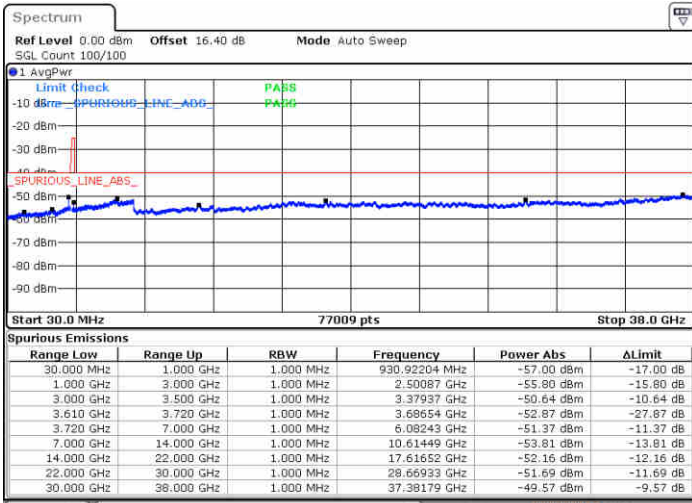


LTE Band 48 / 15MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

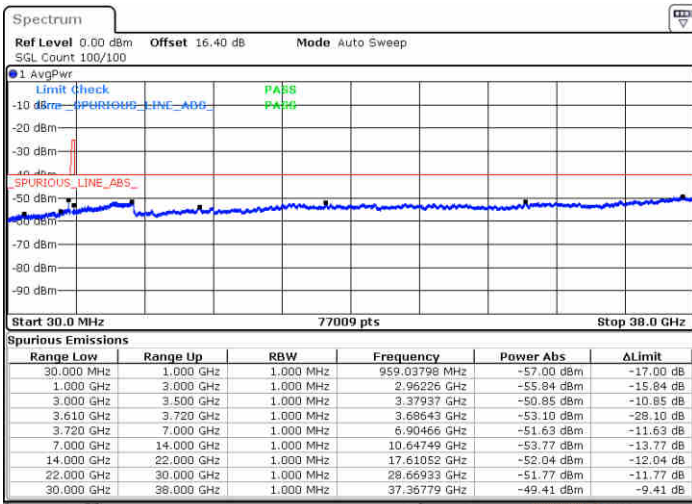


Date: 20.AUG.2020 16:16:28

Date: 20.AUG.2020 16:19:04

Lowest Channel / FullIRB

N/A



Date: 20.AUG.2020 16:13:39

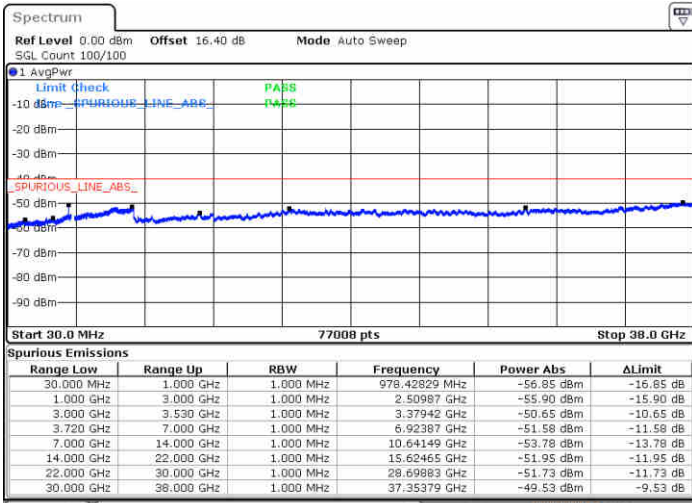


LTE Band 48 / 15MHz

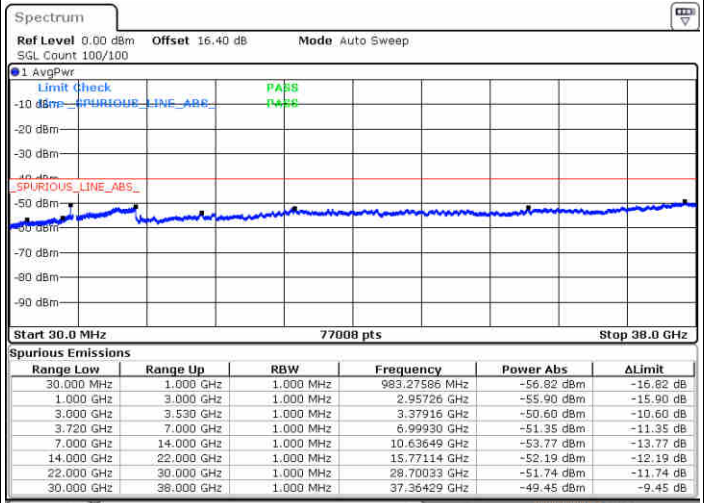
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



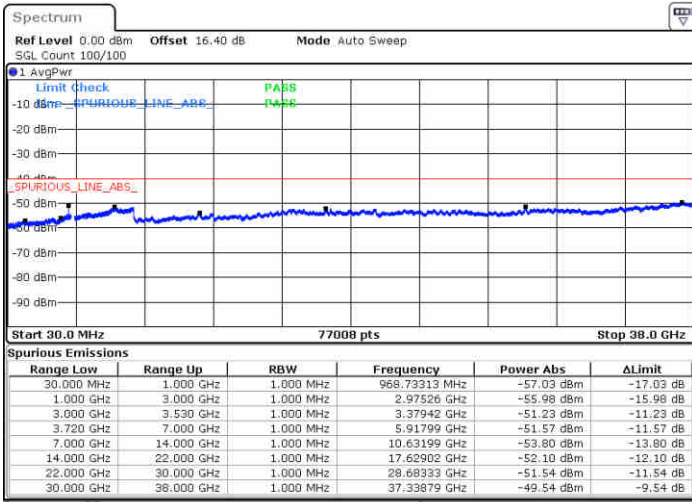
Date: 20.AUG.2020 16:25:51



Date: 20.AUG.2020 16:29:37

Middle Channel / FullRB

N/A



Date: 20.AUG.2020 16:22:33

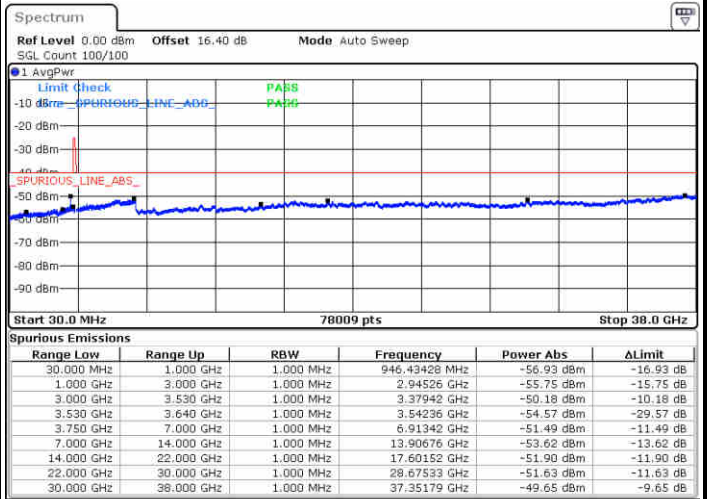
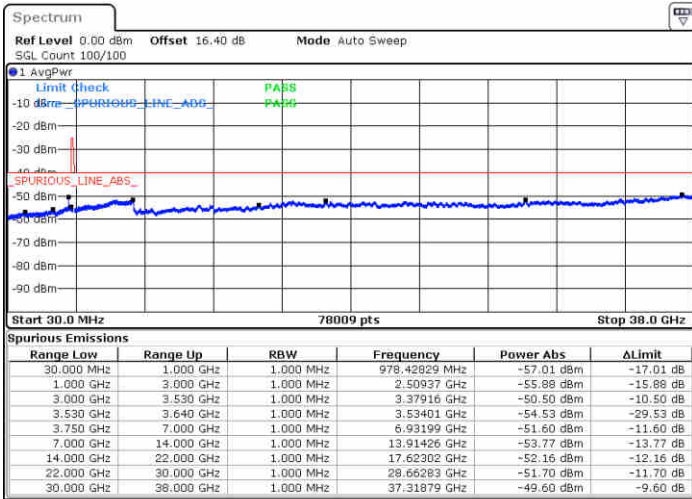


LTE Band 48 / 15MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

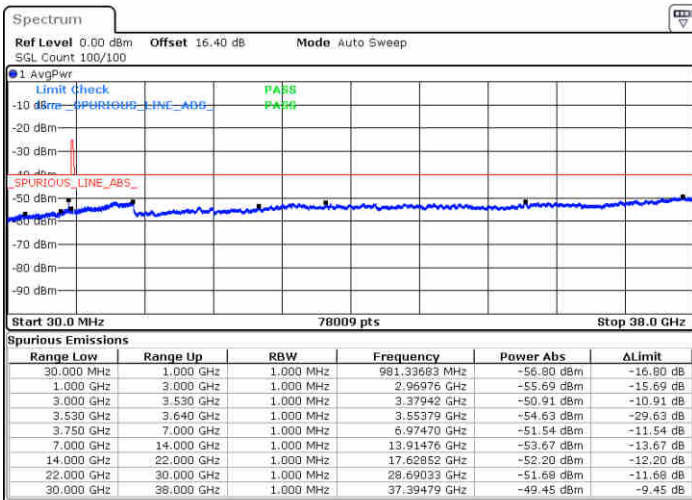


Date: 20.AUG.2020 16:36:21

Date: 20.AUG.2020 16:38:55

Highest Channel / FullRB

N/A



Date: 20.AUG.2020 16:33:28

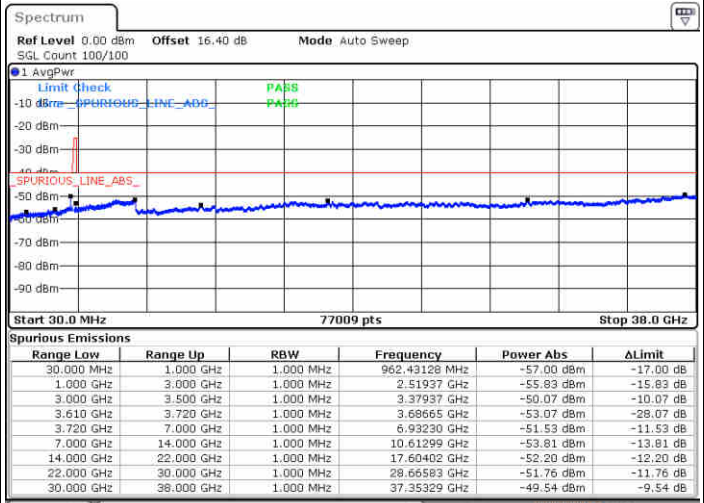
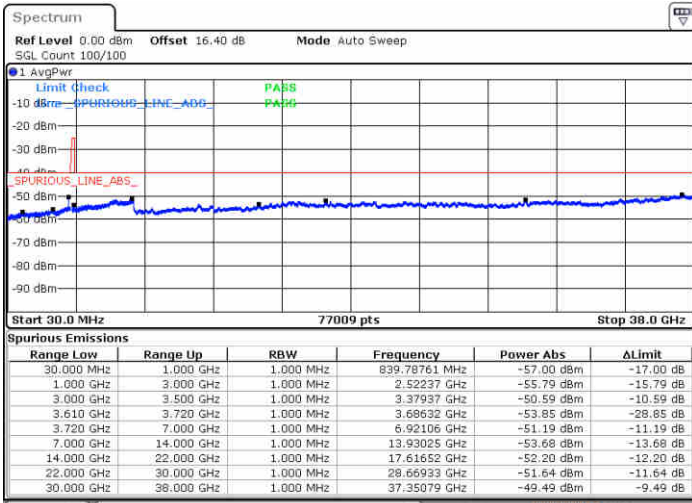


LTE Band 48 / 20MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

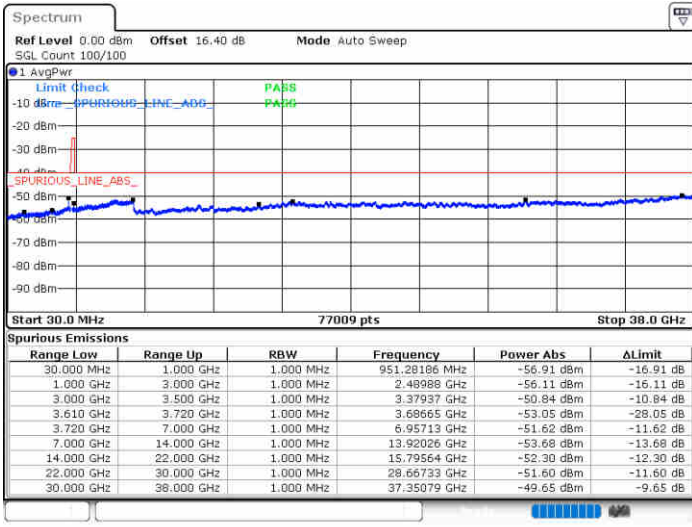


Date: 20.AUG.2020 17:11:40

Date: 20.AUG.2020 17:14:13

Lowest Channel / FullIRB

N/A



Date: 20.AUG.2020 17:08:28

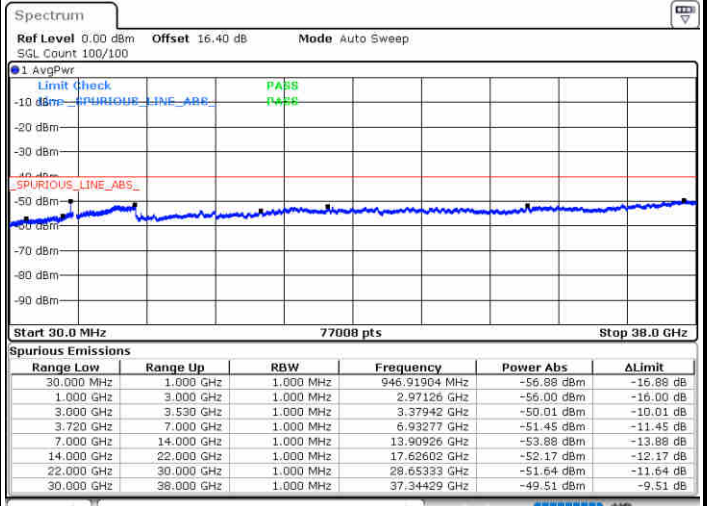
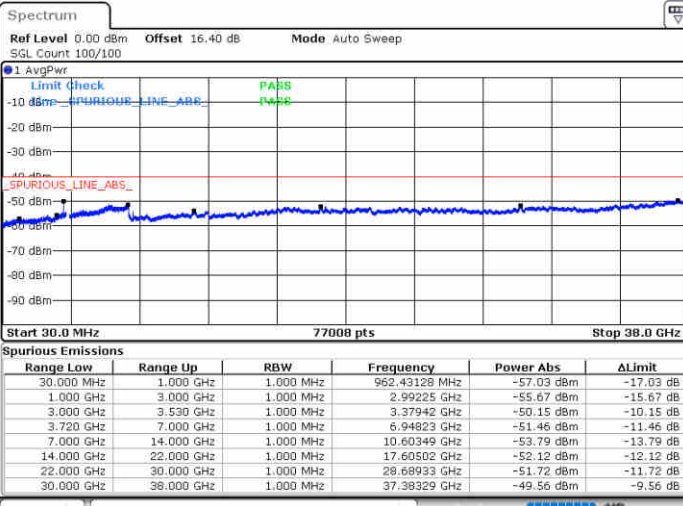


LTE Band 48 / 20MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

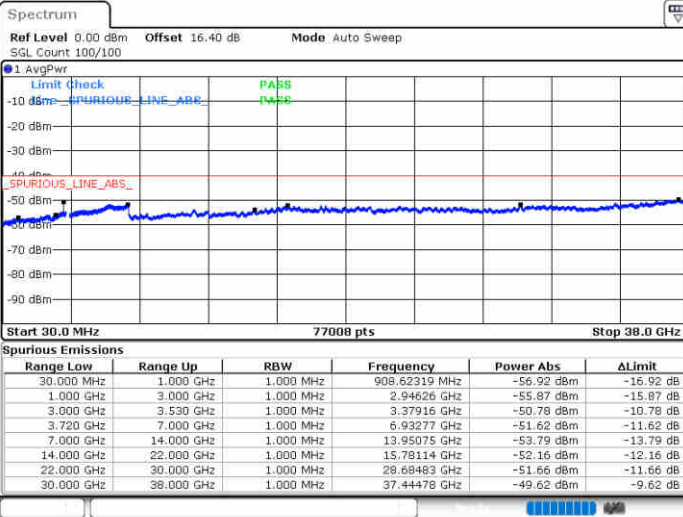


Date: 20.AUG.2020 17:21:11

Date: 20.AUG.2020 17:26:21

Middle Channel / FullRB

N/A



Date: 20.AUG.2020 17:17:53

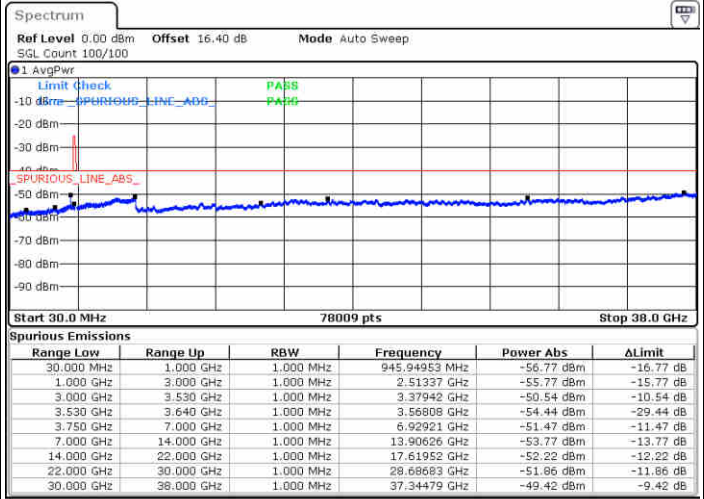
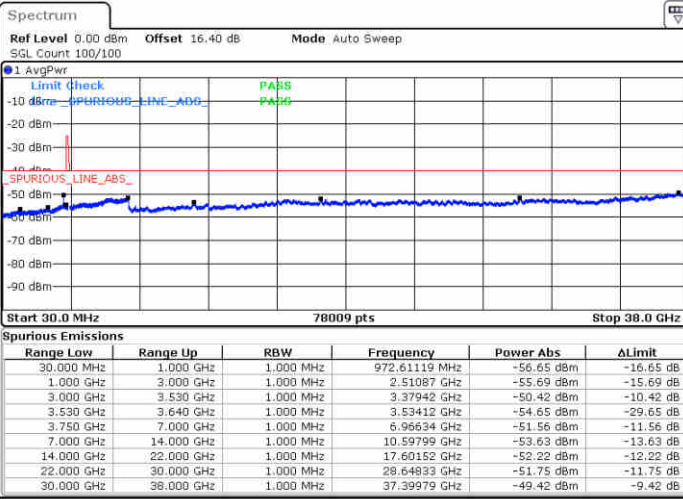


LTE Band 48 / 20MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

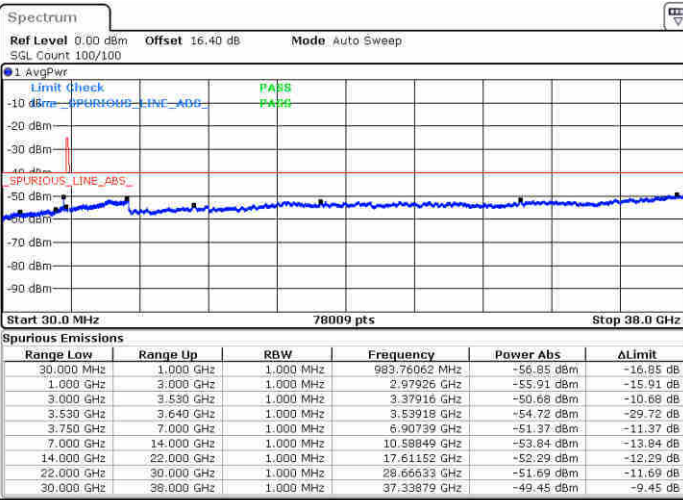


Date: 20.AUG.2020 17:32:45

Date: 20.AUG.2020 17:35:22

Highest Channel / FullIRB

N/A



Date: 20.AUG.2020 17:29:38



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0040	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of EIRP and Radiated Test

EIRP

<Reporting Only>

LTE Band 42 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	18.91	0.0778	20.31	0.1074
Middle		1	12	18.93	0.0782	20.33	0.1079
Highest		1	12	18.87	0.0771	20.27	0.1064
Lowest	16QAM	1	0	17.91	0.0618	19.31	0.0853
Middle		1	0	18.01	0.0632	19.41	0.0873
Highest		1	0	17.98	0.0628	19.38	0.0867
Lowest	64QAM	1	0	16.52	0.0449	17.92	0.0619
Middle		1	0	16.58	0.0455	17.98	0.0628
Highest		1	0	16.63	0.0460	18.03	0.0635
Lowest	256QAM	25	0	14.00	0.0251	15.40	0.0347
Middle		25	0	13.87	0.0244	15.27	0.0337
Highest		25	0	14.00	0.0251	15.40	0.0347

LTE Band 42 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	18.92	0.0780	20.32	0.1076
Middle		1	49	18.93	0.0782	20.33	0.1079
Highest		1	49	18.76	0.0752	20.16	0.1038
Lowest	16QAM	1	49	17.97	0.0627	19.37	0.0865
Middle		1	49	18.03	0.0635	19.43	0.0877
Highest		1	49	17.91	0.0618	19.31	0.0853
Lowest	64QAM	1	0	16.53	0.0450	17.93	0.0621
Middle		1	0	16.58	0.0455	17.98	0.0628
Highest		1	0	16.62	0.0459	18.02	0.0634
Lowest	256QAM	50	0	14.01	0.0252	15.41	0.0348
Middle		50	0	13.87	0.0244	15.27	0.0337
Highest		50	0	13.90	0.0245	15.30	0.0339



LTE Band 42 / 15MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	18.92	0.0780	20.32	0.1076
Middle		1	37	18.94	0.0783	20.34	0.1081
Highest		1	37	18.91	0.0778	20.31	0.1074
Lowest	16QAM	1	37	17.98	0.0628	19.38	0.0867
Middle		1	37	18.06	0.0640	19.46	0.0883
Highest		1	37	17.99	0.0630	19.39	0.0869
Lowest	64QAM	1	0	16.59	0.0456	17.99	0.0630
Middle		1	0	16.68	0.0466	18.08	0.0643
Highest		1	0	16.64	0.0461	18.04	0.0637
Lowest	256QAM	36	0	13.97	0.0249	15.37	0.0344
Middle		36	0	13.93	0.0247	15.33	0.0341
Highest		36	0	14.02	0.0252	15.42	0.0348

LTE Band 42 / 20MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.89	0.0774	20.29	0.1069
Middle		1	0	18.95	0.0785	20.35	0.1084
Highest		1	0	18.93	0.0782	20.33	0.1079
Lowest	16QAM	1	0	17.90	0.0617	19.30	0.0851
Middle		1	0	18.04	0.0637	19.44	0.0879
Highest		1	0	17.91	0.0618	19.31	0.0853
Lowest	64QAM	1	0	16.54	0.0451	17.94	0.0622
Middle		1	0	16.67	0.0465	18.07	0.0641
Highest		1	0	16.61	0.0458	18.01	0.0632
Lowest	256QAM	50	24	13.98	0.0250	15.38	0.0345
Middle		50	24	13.92	0.0247	15.32	0.0340
Highest		50	24	13.90	0.0245	15.30	0.0339



LTE Band 48 / 5MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.48	0.0705	21.88	0.1542
Middle		1	0	18.91	0.0778	22.31	0.1702
Highest		1	0	19.16	0.0824	22.56	0.1803
Lowest	16QAM	1	0	17.63	0.0579	21.03	0.1268
Middle		1	0	18.03	0.0635	21.43	0.1390
Highest		1	0	18.29	0.0675	21.69	0.1476
Lowest	64QAM	1	0	16.31	0.0428	19.71	0.0935
Middle		1	0	16.72	0.0470	20.12	0.1028
Highest		1	0	17.01	0.0502	20.41	0.1099
Lowest	256QAM	12	7	13.95	0.0248	17.35	0.0543
Middle		12	7	14.00	0.0251	17.40	0.0550
Highest		12	7	14.13	0.0259	17.53	0.0566

LTE Band 48 / 10MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.48	0.0705	21.88	0.1542
Middle		1	0	18.87	0.0771	22.27	0.1687
Highest		1	0	19.12	0.0817	22.52	0.1786
Lowest	16QAM	1	0	17.61	0.0577	21.01	0.1262
Middle		1	0	18.07	0.0641	21.47	0.1403
Highest		1	0	18.34	0.0682	21.74	0.1493
Lowest	64QAM	1	0	16.32	0.0429	19.72	0.0938
Middle		1	0	16.69	0.0467	20.09	0.1021
Highest		1	0	16.96	0.0497	20.36	0.1086
Lowest	256QAM	25	25	13.90	0.0245	17.30	0.0537
Middle		25	25	14.02	0.0252	17.42	0.0552
Highest		25	25	14.09	0.0256	17.49	0.0561



LTE Band 48 / 15MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.48	0.0705	21.88	0.1542
Middle		1	0	18.93	0.0782	22.33	0.1710
Highest		1	0	19.16	0.0824	22.56	0.1803
Lowest	16QAM	1	0	17.63	0.0579	21.03	0.1268
Middle		1	0	18.08	0.0643	21.48	0.1406
Highest		1	0	18.37	0.0687	21.77	0.1503
Lowest	64QAM	1	0	16.34	0.0431	19.74	0.0942
Middle		1	0	16.72	0.0470	20.12	0.1028
Highest		1	0	17.04	0.0506	20.44	0.1107
Lowest	256QAM	36	20	13.91	0.0246	17.31	0.0538
Middle		36	20	14.08	0.0256	17.48	0.0560
Highest		36	20	14.12	0.0258	17.52	0.0565

LTE Band 48 / 20MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.43	0.0697	21.83	0.1524
Middle		1	0	18.79	0.0757	22.19	0.1656
Highest		1	0	19.17	0.0826	22.57	0.1807
Lowest	16QAM	1	0	17.57	0.0571	20.97	0.1250
Middle		1	0	17.93	0.0621	21.33	0.1358
Highest		1	0	18.21	0.0662	21.61	0.1449
Lowest	64QAM	1	0	16.27	0.0424	19.67	0.0927
Middle		1	0	16.62	0.0459	20.02	0.1005
Highest		1	0	17.04	0.0506	20.44	0.1107
Lowest	256QAM	50	50	13.99	0.0251	17.39	0.0548
Middle		50	50	14.12	0.0258	17.52	0.0565
Highest		50	50	14.19	0.0262	17.59	0.0574



EIRP Power

LTE Band 42 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	18.91	17.91	16.52
Middle CH	-	-	-	-	-	-	18.93	18.01	16.58
Highest CH	-	-	-	-	-	-	18.87	17.98	16.63
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	-	-	-	-	-	-	14.00	-	-
Middle CH	-	-	-	-	-	-	13.87	-	-
Highest CH	-	-	-	-	-	-	14.00	-	-
LTE Band 42 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	18.92	17.97	16.53	18.92	17.98	16.59	18.89	17.90	16.54
Middle CH	18.93	18.03	16.58	18.94	18.06	16.68	18.95	18.04	16.67
Highest CH	18.76	17.91	16.62	18.91	17.99	16.64	18.93	17.91	16.61
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	14.01	-	-	13.97	-	-	13.98	-	-
Middle CH	13.87	-	-	13.93	-	-	13.92	-	-
Highest CH	13.90	-	-	14.02	-	-	13.90	-	-



LTE Band 42 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	20.31	19.31	17.92
Middle CH	-	-	-	-	-	-	20.33	19.41	17.98
Highest CH	-	-	-	-	-	-	20.27	19.38	18.03
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	-	-	-	-	-	-	15.40	-	-
Middle CH	-	-	-	-	-	-	15.27	-	-
Highest CH	-	-	-	-	-	-	15.40	-	-
LTE Band 42 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	20.32	19.37	17.93	20.32	19.38	17.99	20.29	19.30	17.94
Middle CH	20.33	19.43	17.98	20.34	19.46	18.08	20.35	19.44	18.07
Highest CH	20.16	19.31	18.02	20.31	19.39	18.04	20.33	19.31	18.01
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	15.41	-	-	15.37	-	-	15.38	-	-
Middle CH	15.27	-	-	15.33	-	-	15.32	-	-
Highest CH	15.30	-	-	15.42	-	-	15.30	-	-
Antenna Gain	1.4 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	18.48	17.63	16.31
Middle CH	-	-	-	-	-	-	18.91	18.03	16.72
Highest CH	-	-	-	-	-	-	19.16	18.29	17.01
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	-	-	-	-	-	-	13.95	-	-
Middle CH	-	-	-	-	-	-	14.00	-	-
Highest CH	-	-	-	-	-	-	14.13	-	-
LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	18.48	17.61	16.32	18.48	17.63	16.34	18.43	17.57	16.27
Middle CH	18.87	18.07	16.69	18.93	18.08	16.72	18.79	17.93	16.62
Highest CH	19.12	18.34	16.96	19.16	18.37	17.04	19.17	18.21	17.04
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	13.90	-	-	13.91	-	-	13.99	-	-
Middle CH	14.02	-	-	14.08	-	-	14.12	-	-
Highest CH	14.09	-	-	14.12	-	-	14.19	-	-



LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	21.88	21.03	19.71
Middle CH	-	-	-	-	-	-	22.31	21.43	20.12
Highest CH	-	-	-	-	-	-	22.56	21.69	20.41
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	-	-	-	-	-	-	17.35	-	-
Middle CH	-	-	-	-	-	-	17.40	-	-
Highest CH	-	-	-	-	-	-	17.53	-	-
LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	21.88	21.01	19.72	21.88	21.03	19.74	21.83	20.97	19.67
Middle CH	22.27	21.47	20.09	22.33	21.48	20.12	22.19	21.33	20.02
Highest CH	22.52	21.74	20.36	22.56	21.77	20.44	22.57	21.61	20.44
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	17.30	-	-	17.31	-	-	17.39	-	-
Middle CH	17.42	-	-	17.48	-	-	17.52	-	-
Highest CH	17.49	-	-	17.52	-	-	17.59	-	-
Antenna Gain	3.4 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



Radiated Spurious Emission

LTE Band 48 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7100	-52.01	-40	-12.01	-53.98	-61.98	1.77	11.74	H
	10655	-51.44	-40	-11.44	-53.72	-59.87	2.47	10.90	H
	14205	-52.29	-40	-12.29	-59.35	-61.13	2.87	11.71	H
	21307	-50.11	-40	-10.11	-71.96	-66.83	1.98	18.70	H
	24859	-53.47	-40	-13.47	-78.13	-69.48	2.07	18.07	H
	28411	-52.87	-40	-12.87	-78.39	-70.12	2.32	19.56	H
	7100	-50.10	-40	-10.10	-51.68	-60.07	1.77	11.74	V
	10655	-47.78	-40	-7.78	-49.8	-56.21	2.47	10.90	V
	14205	-52.14	-40	-12.14	-58.92	-60.98	2.87	11.71	V
	21307	-51.01	-40	-11.01	-72.73	-67.73	1.98	18.70	V
	24859	-52.55	-40	-12.55	-78.42	-68.56	2.07	18.07	V
	28411	-50.68	-40	-10.68	-78.02	-67.93	2.32	19.56	V
Middle	7230	-46.68	-40	-6.68	-49.05	-56.37	1.84	11.53	H
	10850	-43.75	-40	-3.75	-46.08	-52.08	2.57	10.90	H
	14462	-51.92	-40	-11.92	-59.19	-60.16	2.85	11.09	H
	18077	-52.27	-40	-12.27	-70.38	-68.50	1.76	17.98	H
	21696	-51.51	-40	-11.51	-73.03	-68.30	1.99	18.78	H
	25314	-51.28	-40	-11.28	-76.44	-67.88	2.14	18.74	H
	7230	-49.45	-40	-9.45	-51.56	-59.14	1.84	11.53	V
	10850	-45.44	-40	-5.44	-47.56	-53.77	2.57	10.90	V
	14462	-52.84	-40	-12.84	-59.29	-61.08	2.85	11.09	V
	18077	-44.14	-40	-4.14	-61.32	-60.37	1.76	17.98	V
	21696	-52.03	-40	-12.03	-73.54	-68.82	1.99	18.78	V
	25314	-52.13	-40	-12.13	-78.56	-68.73	2.14	18.74	V



LTE Band 48 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	7360	-43.46	-40	-3.46	-45.8	-52.87	1.91	11.32	H
	11045	-49.15	-40	-9.15	-51.63	-57.47	2.63	10.95	H
	14724	-51.94	-40	-11.94	-60.78	-60.74	2.91	11.72	H
	18410	-52.52	-40	-12.52	-70.84	-68.57	1.87	17.92	H
	22084	-41.20	-40	-1.20	-63.36	-57.99	2.08	18.87	H
	25770	-52.11	-40	-12.11	-78.11	-69.13	2.03	19.05	H
	7360	-40.02	-40	-1.02	-43.17	-50.43	1.91	11.32	V
	11045	-45.20	-40	-5.20	-47.51	-53.52	2.63	10.95	V
	14724	-51.12	-40	-11.12	-58.29	-59.92	2.91	11.72	V
	18410	-50.33	-40	-10.33	-67.77	-66.38	1.87	17.92	V
	22084	-45.63	-40	-5.63	-67.79	-62.42	2.08	18.87	V
	25770	-51.30	-40	-11.30	-78.48	-68.32	2.03	19.05	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.