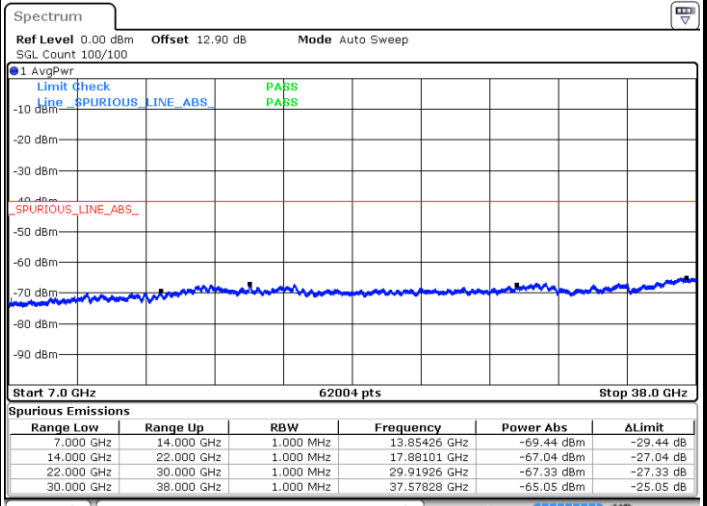
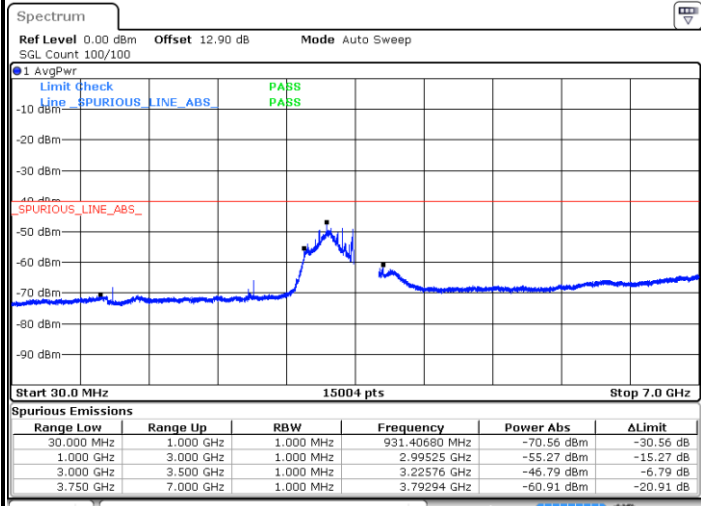




LTE B48 / 10+10MHz / 16QAM / CSE

Lowest Channel-1

Lowest Channel-2

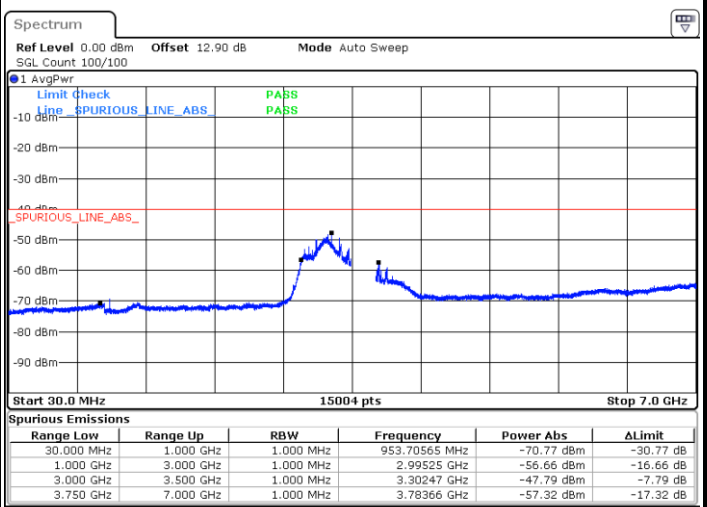
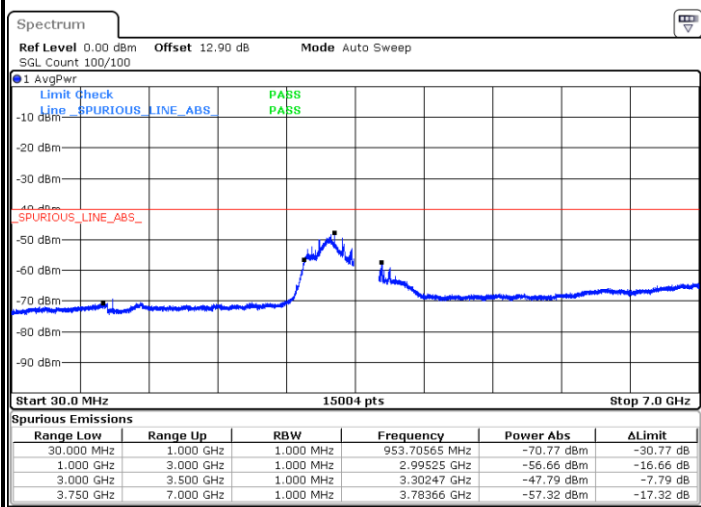


Date: 19 JUN 2023 15:25:54

Date: 19 JUN 2023 15:27:19

Middle Channel-1

Middle Channel-2



Date: 19 JUN 2023 11:40:50

Date: 19 JUN 2023 11:40:50



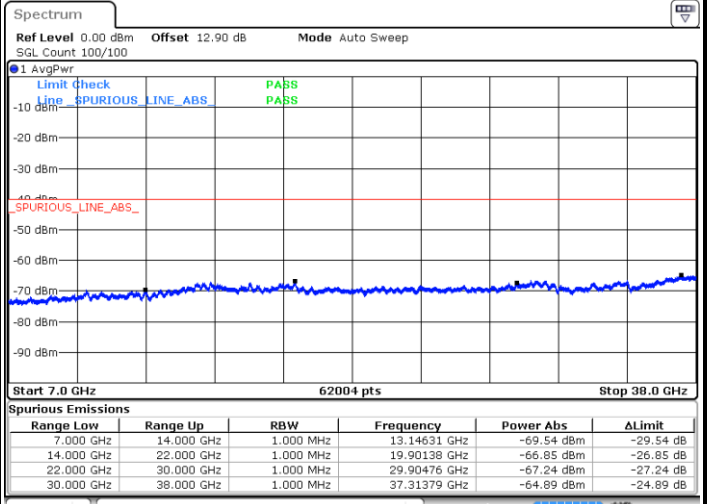
LTE B48 / 10+10MHz / 16QAM / CSE

Highest Channel-1

Highest Channel-2



Date: 19 JUN 2023 17:16:18



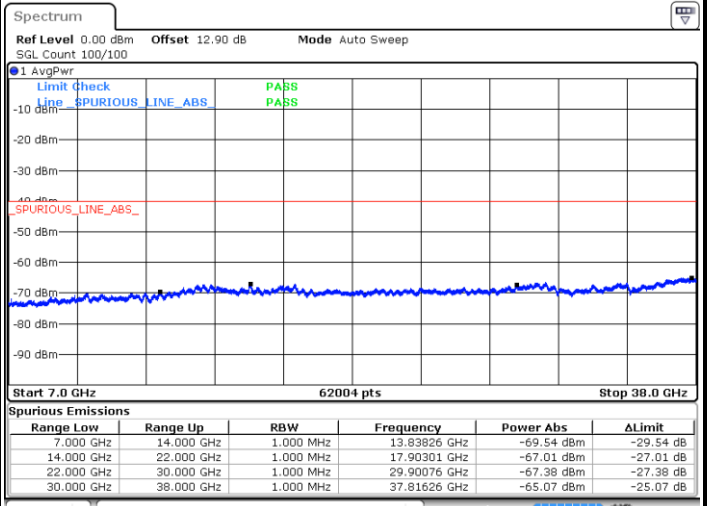
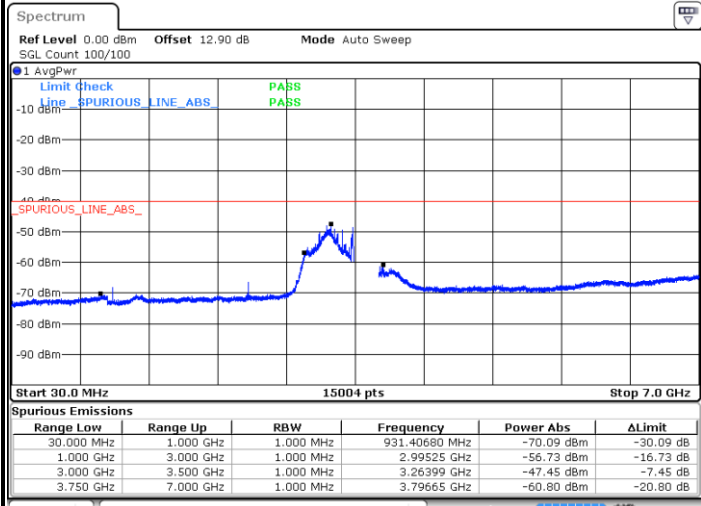
Date: 19 JUN 2023 17:17:26



LTE B48 / 10+10MHz / 64QAM / CSE

Lowest Channel-1

Lowest Channel-2

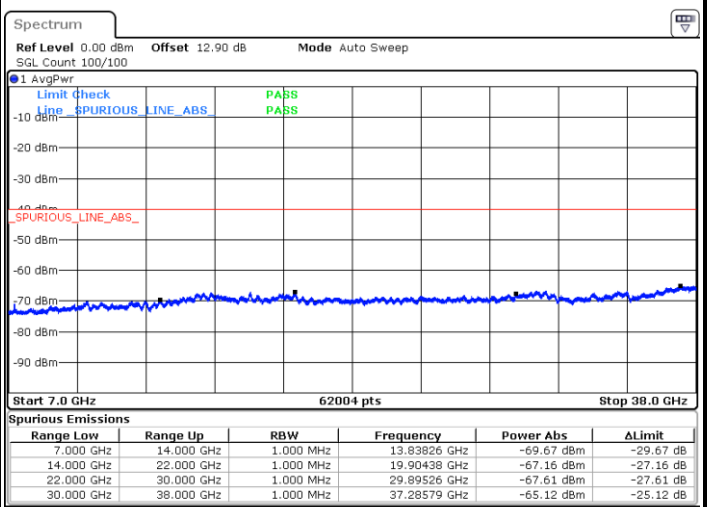
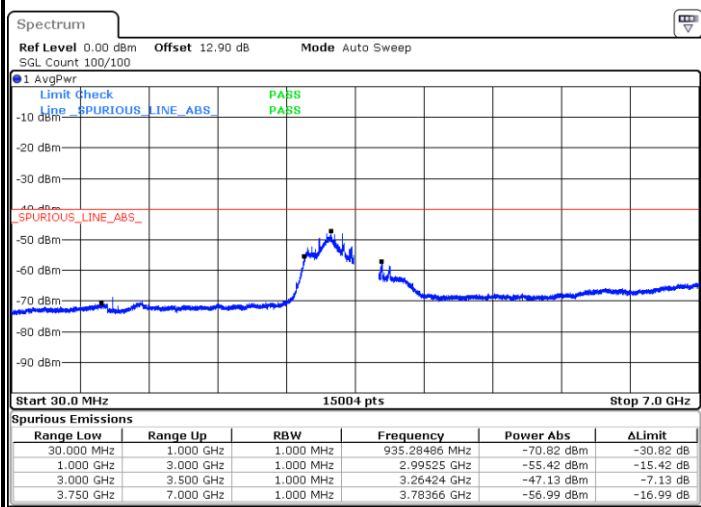


Date: 19 JUN 2023 15:35:09

Date: 19 JUN 2023 15:36:40

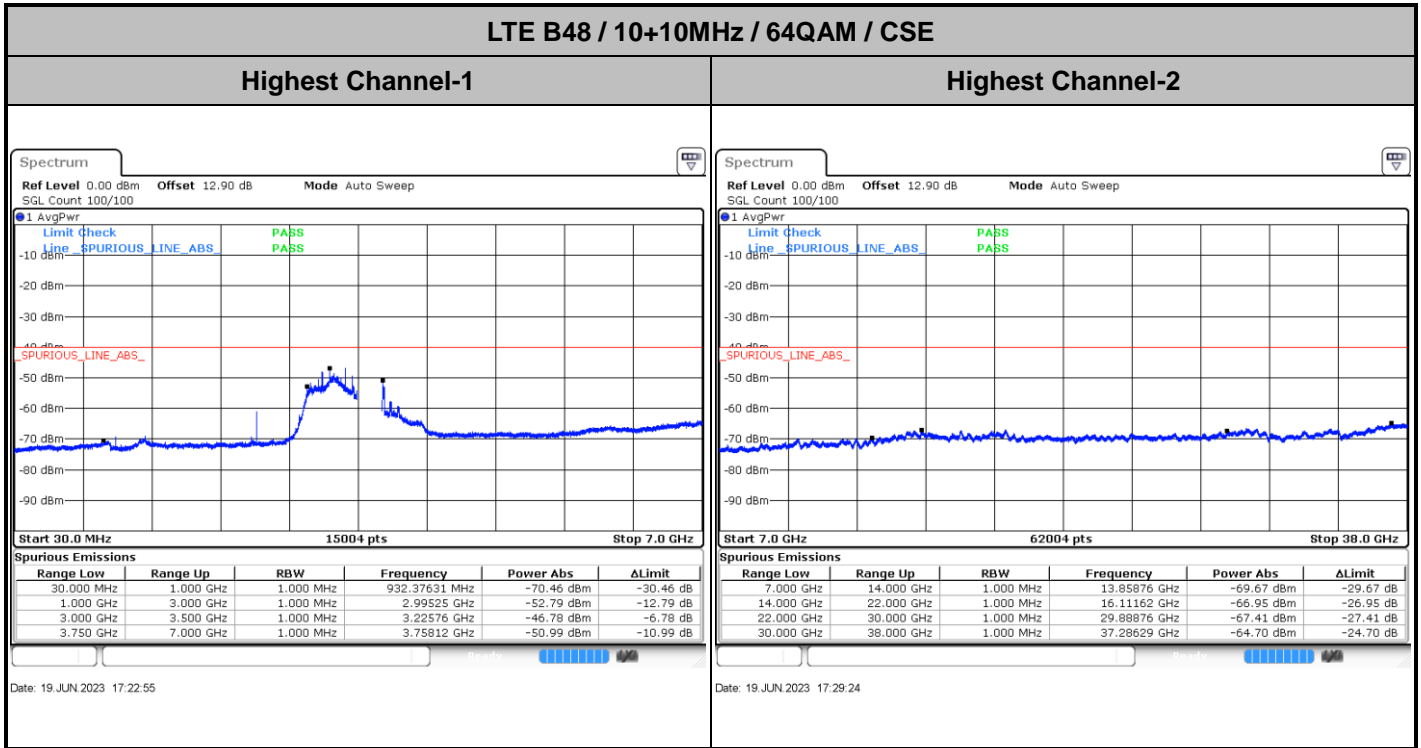
Middle Channel-1

Middle Channel-2



Date: 19 JUN 2023 11:46:32

Date: 19 JUN 2023 11:48:44

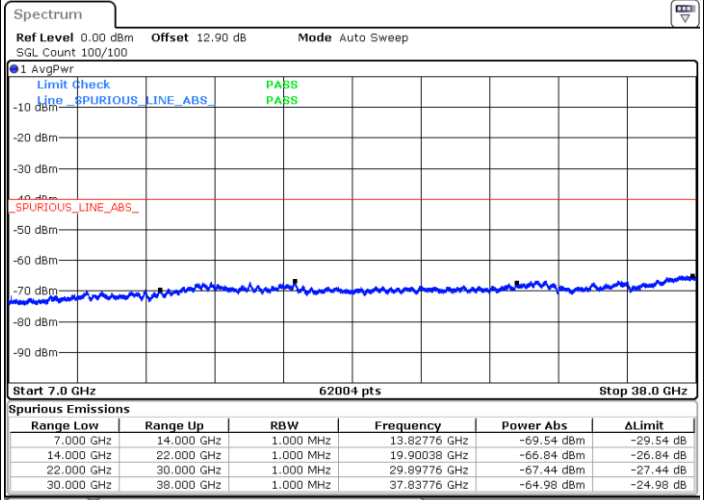
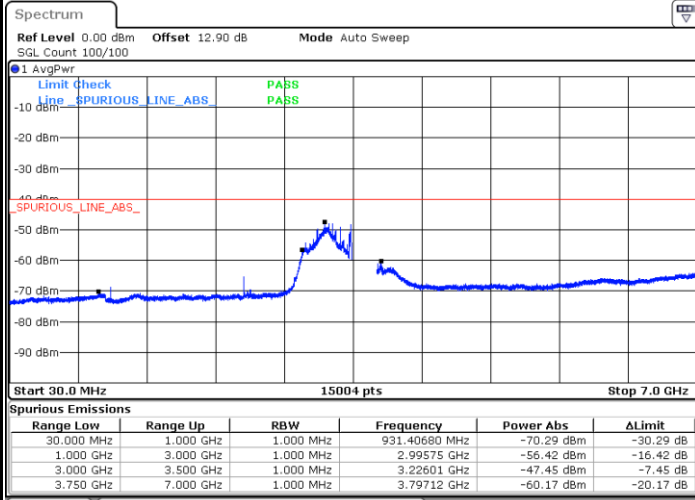




LTE B48 / 10+10MHz / 256QAM / CSE

Lowest Channel-1

Lowest Channel-2

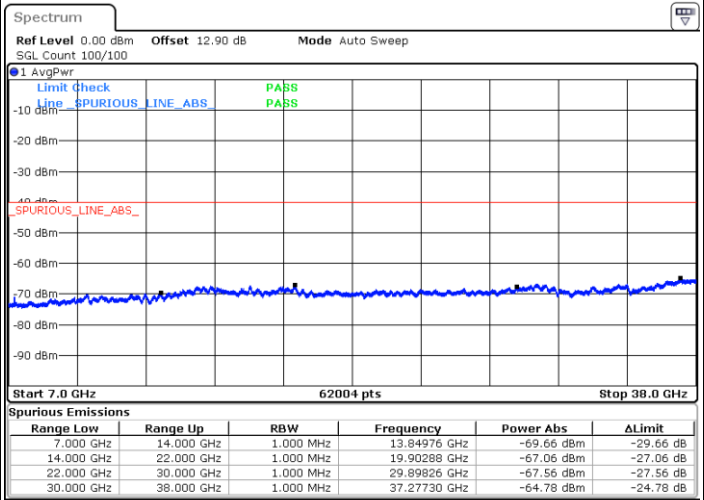
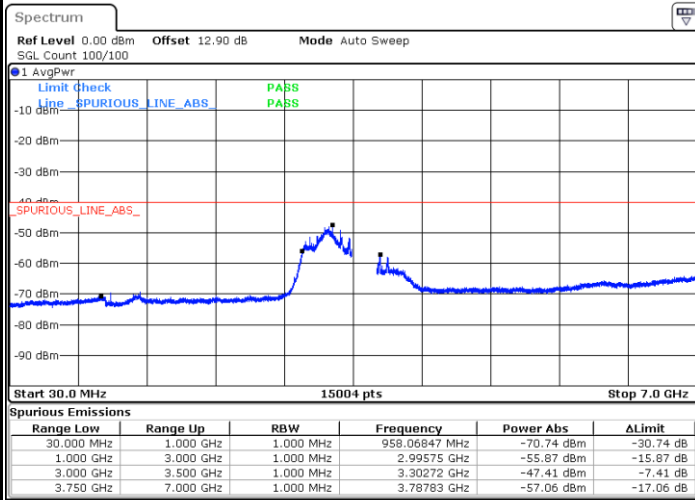


Date: 19 JUN 2023 15:43:45

Date: 19 JUN 2023 15:48:51

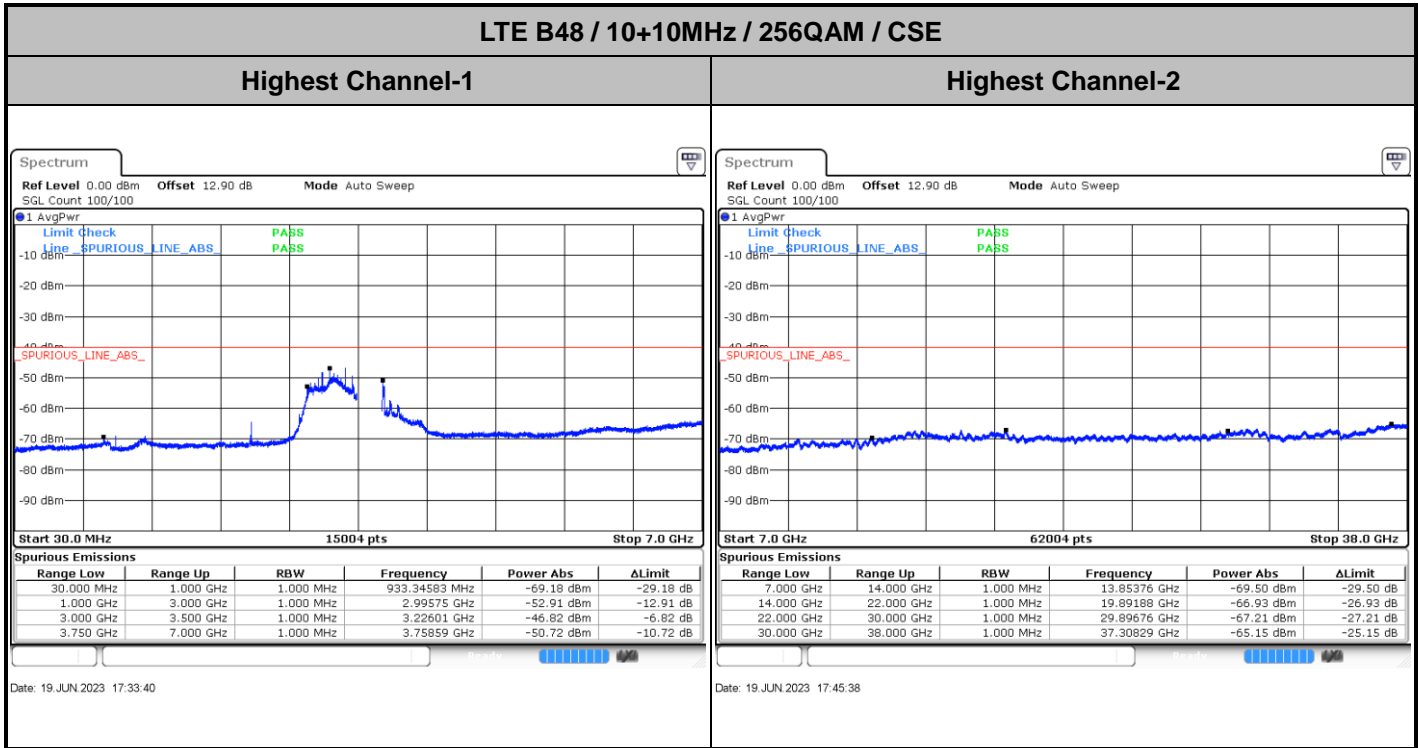
Middle Channel-1

Middle Channel-2



Date: 19 JUN 2023 11:54:40

Date: 19 JUN 2023 11:57:46

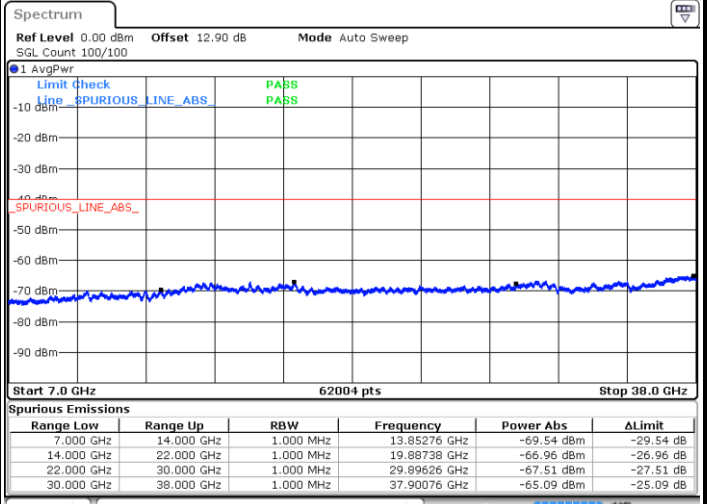




LTE B48 / 20+20MHz / QPSK / CSE

Lowest Channel-1

Lowest Channel-2

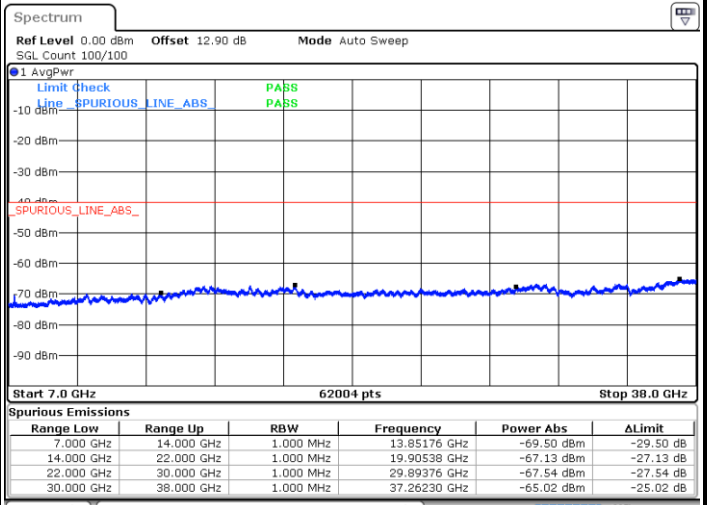
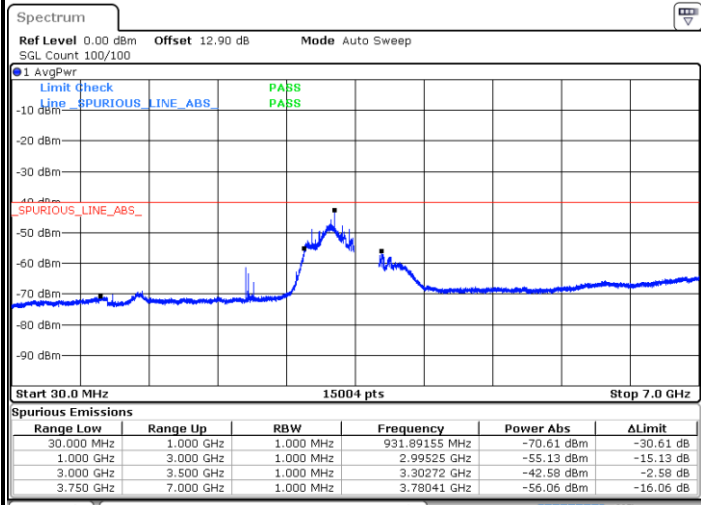


Date: 19 JUN 2023 14:06:39

Date: 19 JUN 2023 14:10:51

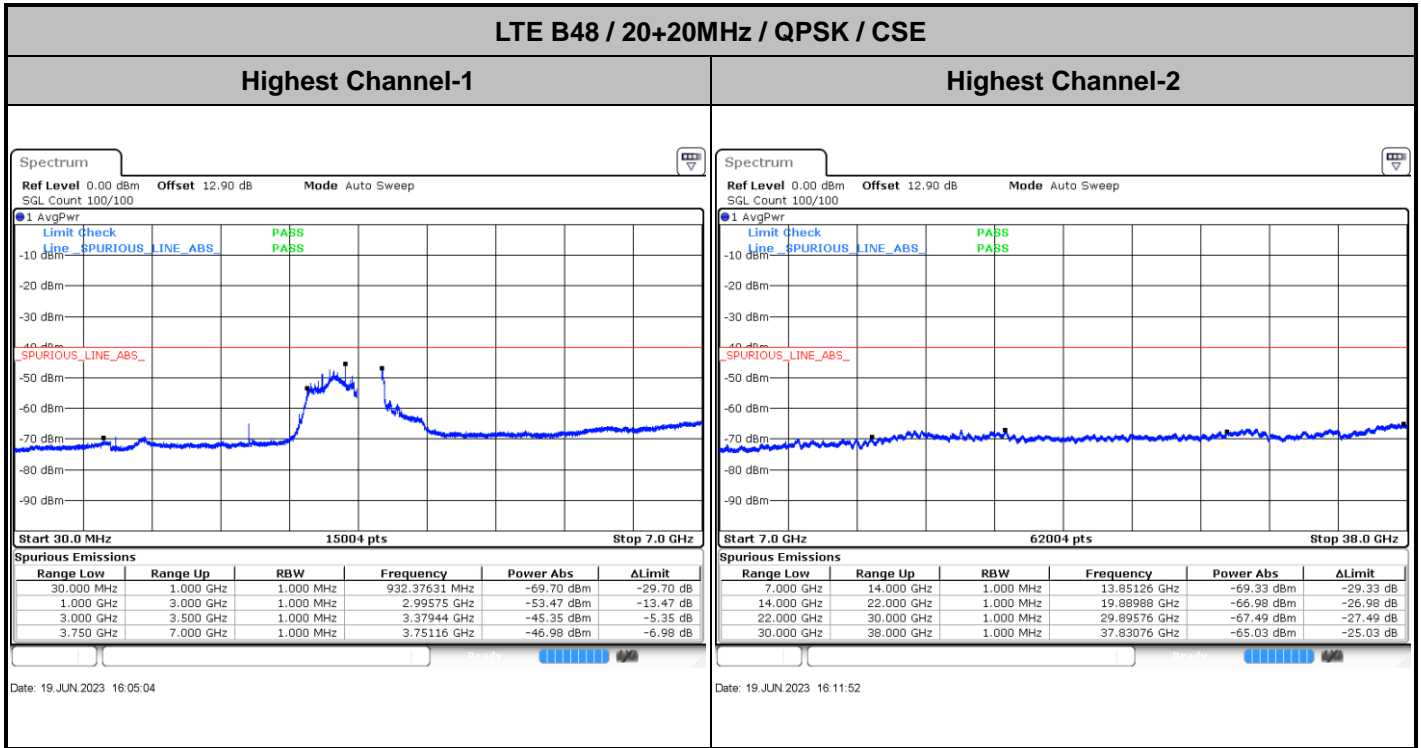
Middle Channel-1

Middle Channel-2



Date: 19 JUN 2023 10:40:14

Date: 19 JUN 2023 10:42:37

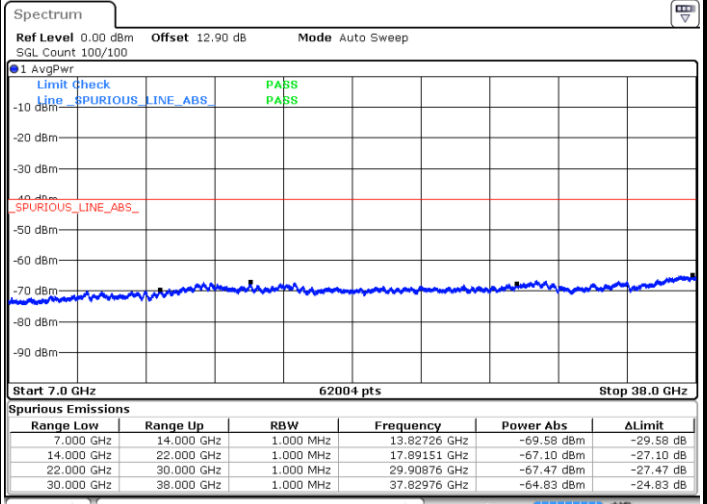
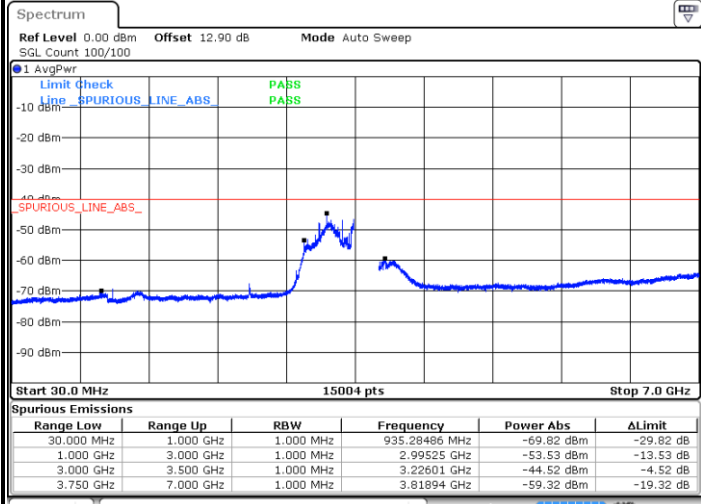




LTE B48 / 20+20MHz / 16QAM / CSE

Lowest Channel-1

Lowest Channel-2

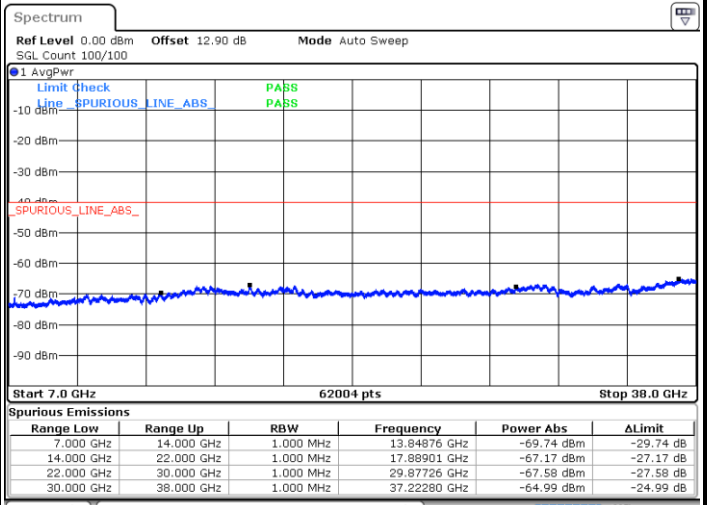
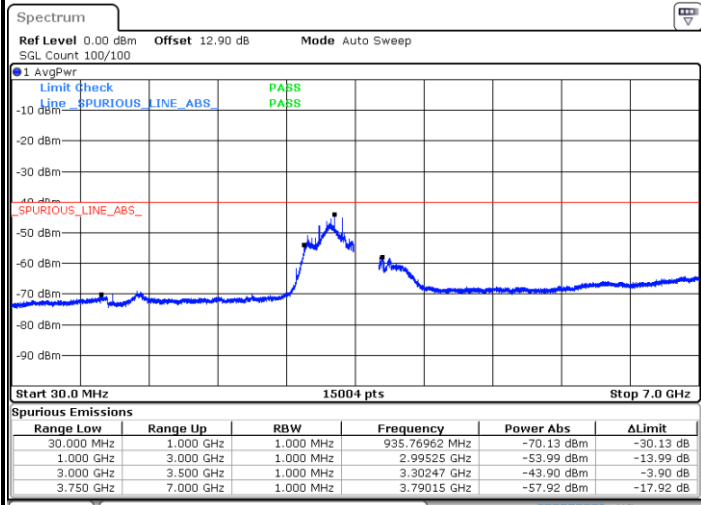


Date: 19 JUN 2023 14:34:38

Date: 19 JUN 2023 14:36:38

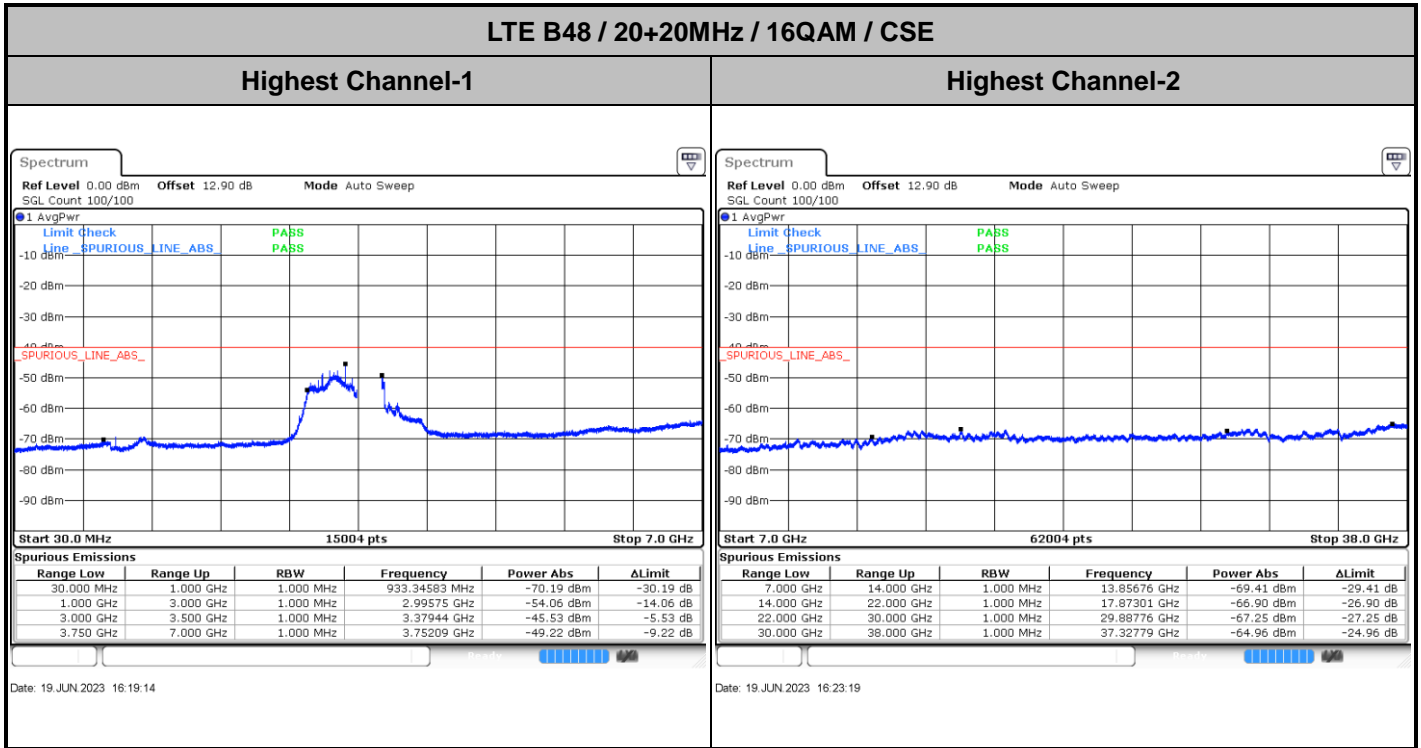
Middle Channel-1

Middle Channel-2



Date: 19 JUN 2023 10:54:03

Date: 19 JUN 2023 10:55:15





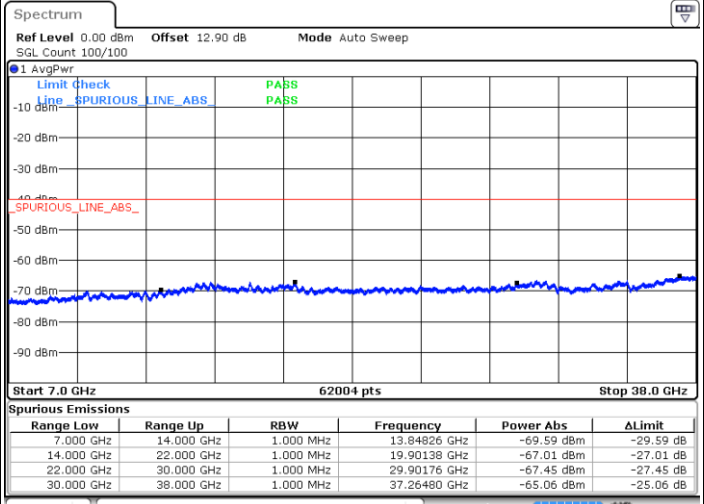
LTE B48 / 20+20MHz / 64QAM / CSE

Lowest Channel-1

Lowest Channel-2



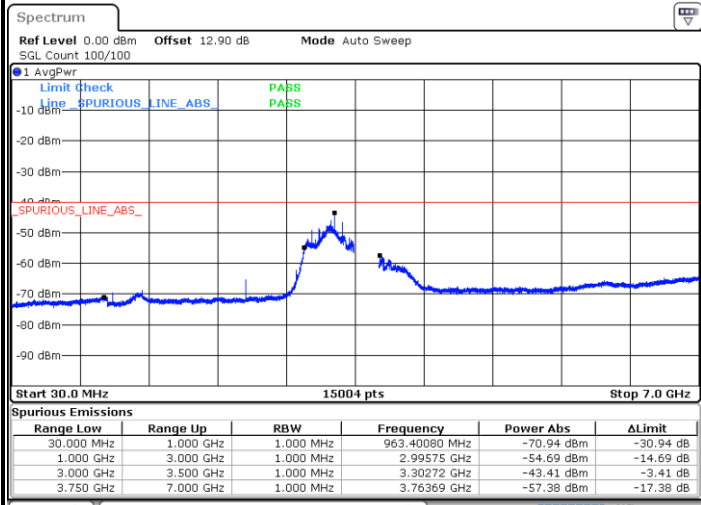
Date: 19 JUN 2023 14:43:32



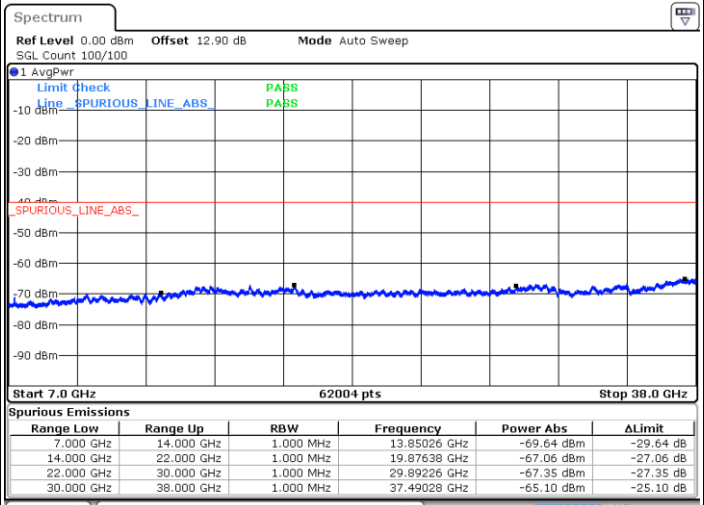
Date: 19 JUN 2023 14:45:22

Middle Channel-1

Middle Channel-2



Date: 19 JUN 2023 11:00:02



Date: 19 JUN 2023 11:09:17



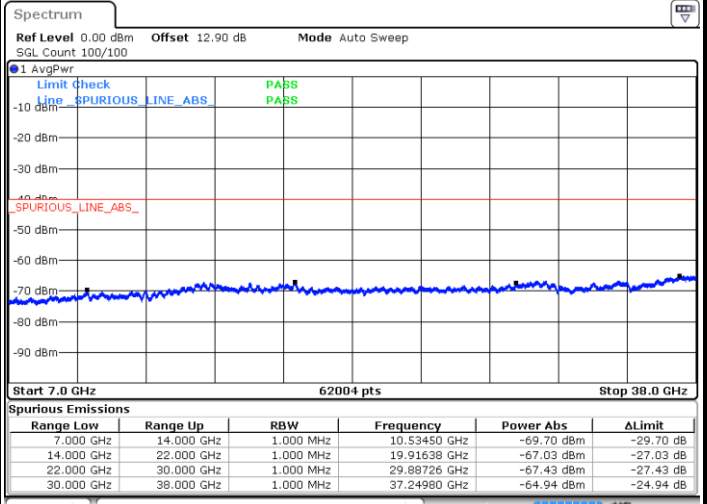
LTE B48 / 20+20MHz / 64QAM / CSE

Highest Channel-1

Highest Channel-2



Date: 19 JUN 2023 16:30:59



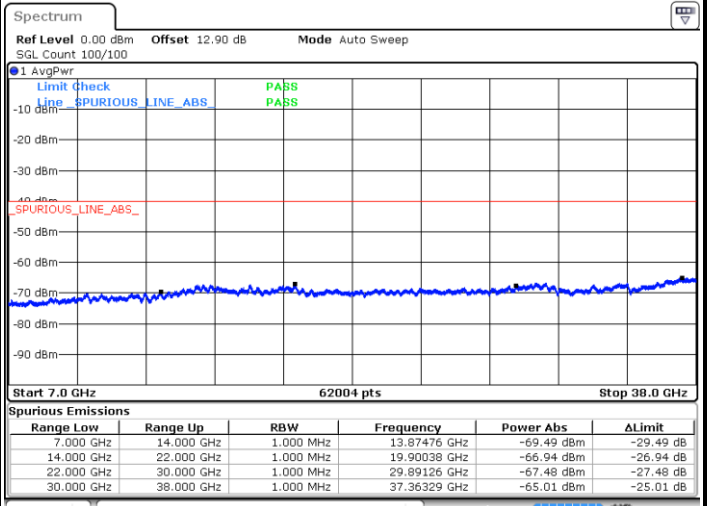
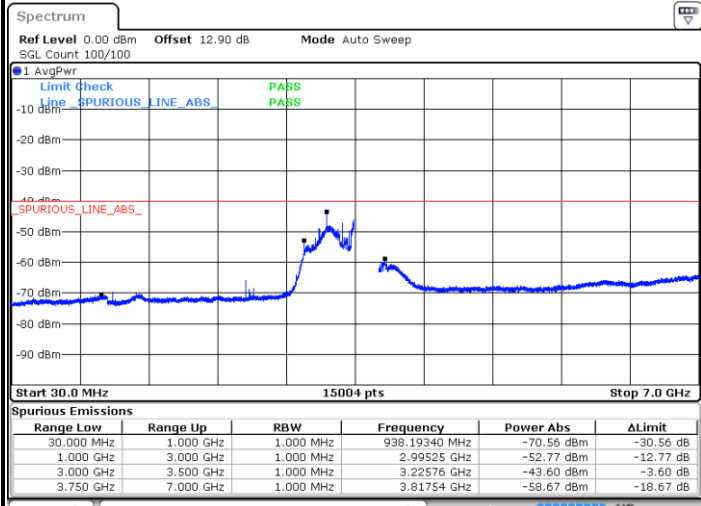
Date: 19 JUN 2023 16:32:22



LTE B48 / 20+20MHz / 256QAM / CSE

Lowest Channel-1

Lowest Channel-2

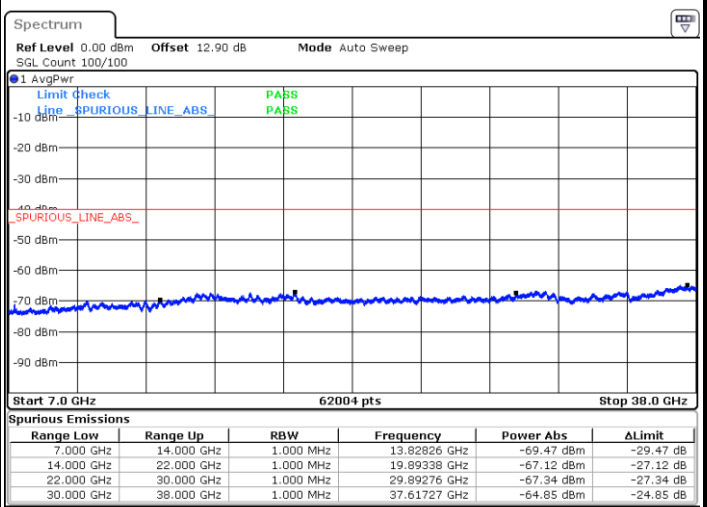
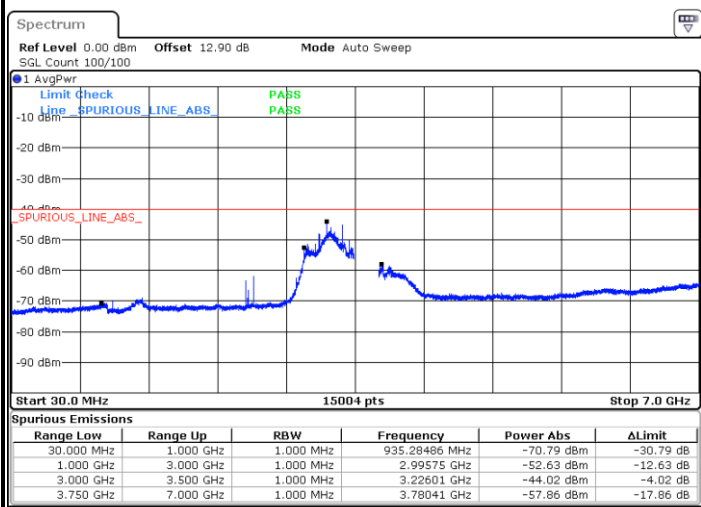


Date: 19 JUN 2023 14:59:06

Date: 19 JUN 2023 15:01:48

Middle Channel-1

Middle Channel-2



Date: 19 JUN 2023 11:16:01

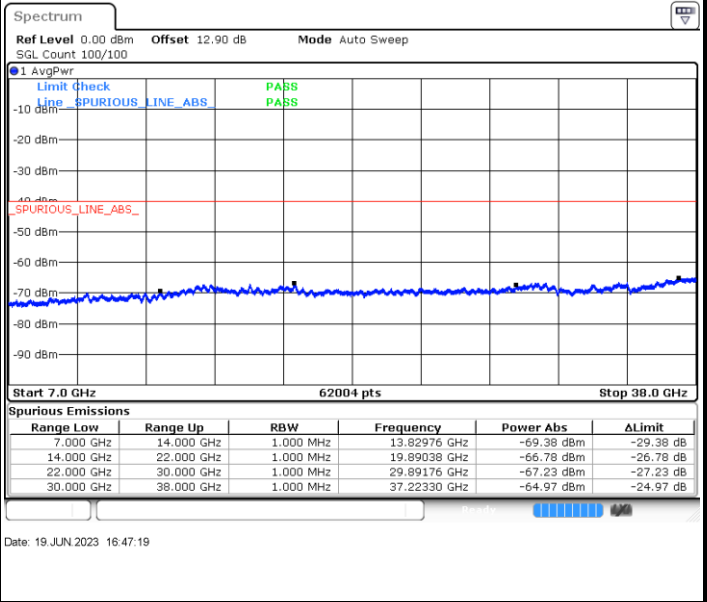
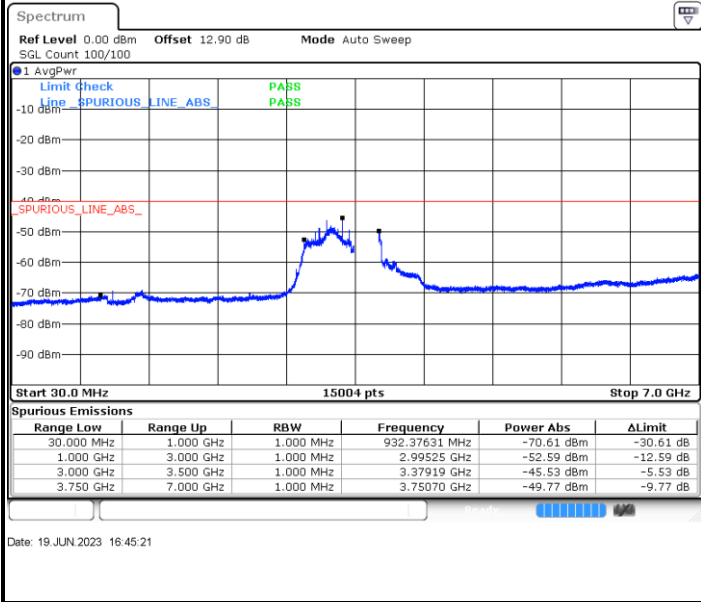
Date: 19 JUN 2023 11:17:09



LTE B48 / 20+20MHz / 256QAM / CSE

Highest Channel-1

Highest Channel-2

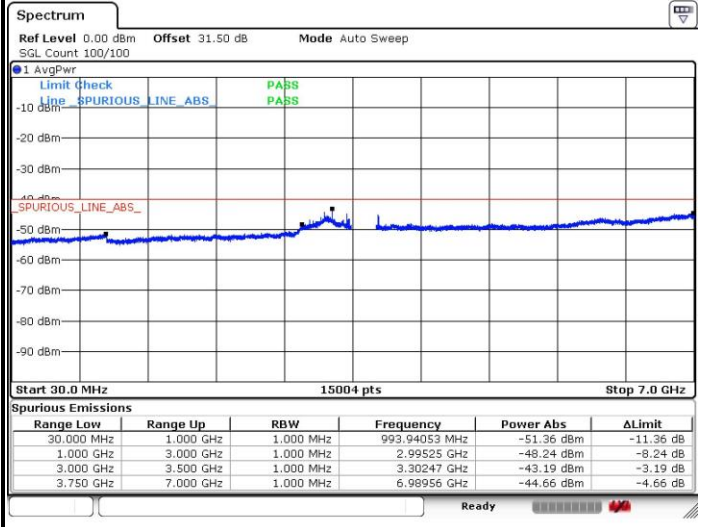




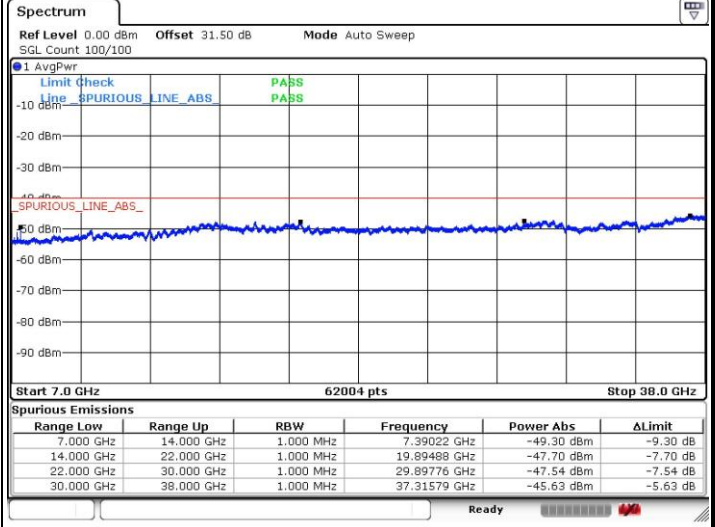
LTE B48 / 10+10MHz / Lowest& Highest Channel / CSE/ non-contiguous

QPSK-1

QPSK-2



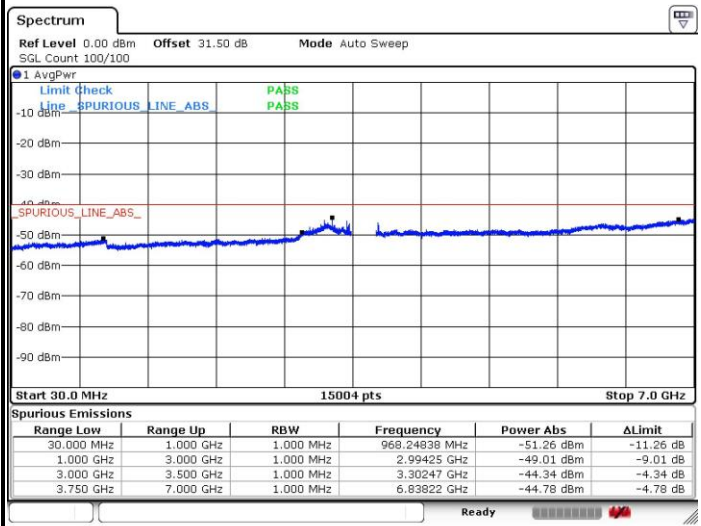
Date: 20 JUN 2023 14:04:35



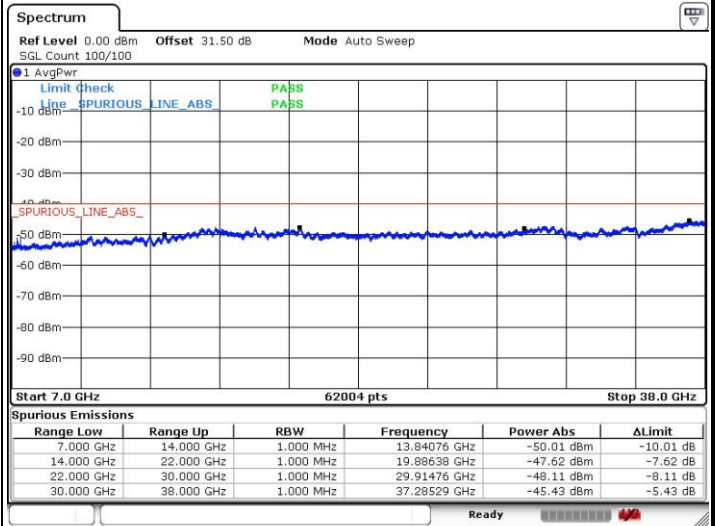
Date: 20 JUN 2023 14:06:27

16QAM-1

16QAM-2



Date: 20 JUN 2023 14:13:10



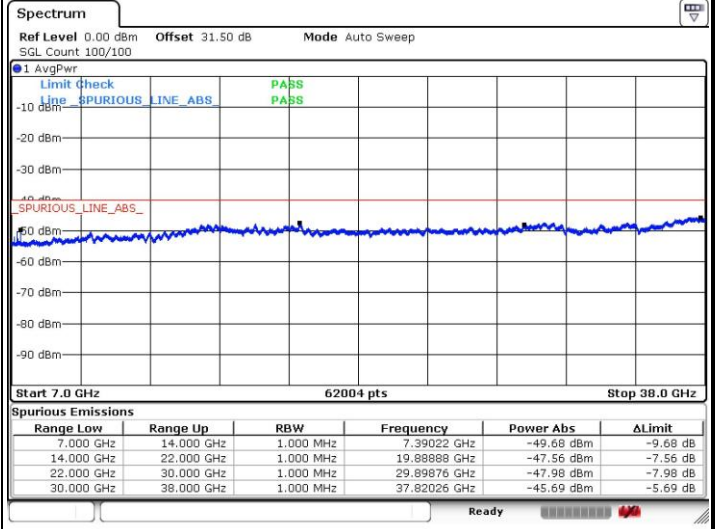
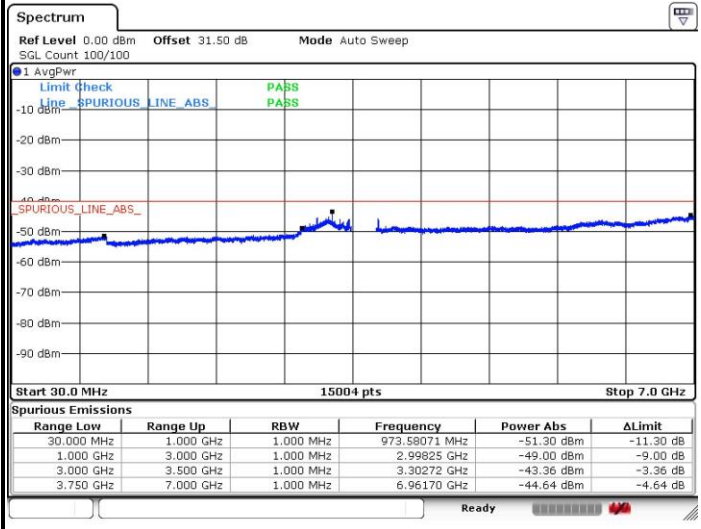
Date: 20 JUN 2023 14:14:54



LTE B48 / 10+10MHz / Lowest& Highest Channel / CSE/ non-contiguous

64QAM-1

64QAM-2

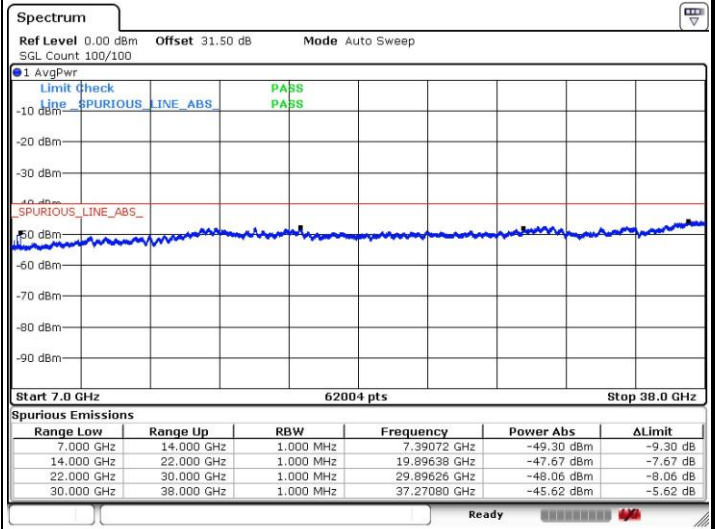
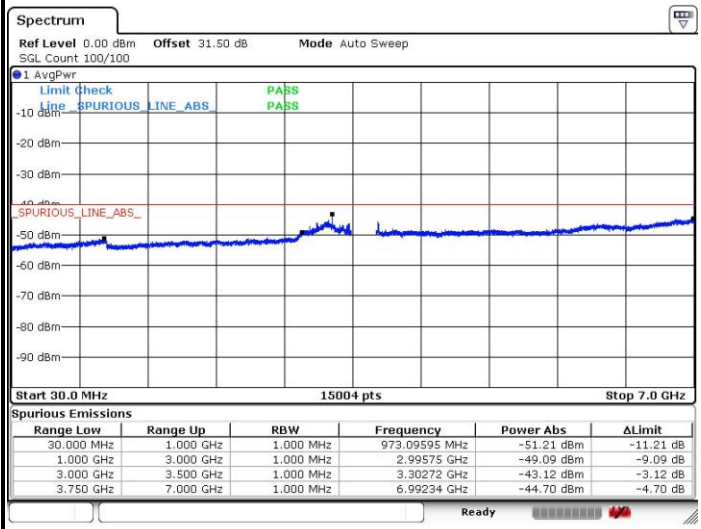


Date: 20 JUN 2023 14:36:30

Date: 20 JUN 2023 14:37:41

256QAM-1

256QAM-2



Date: 20 JUN 2023 14:43:14

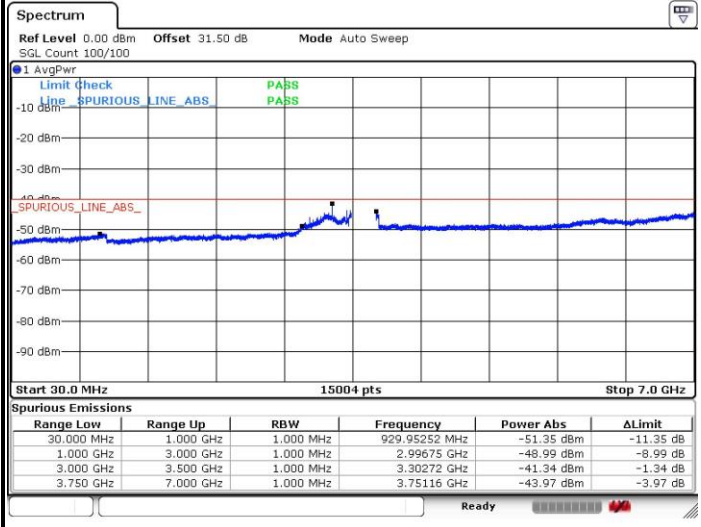
Date: 20 JUN 2023 14:44:29



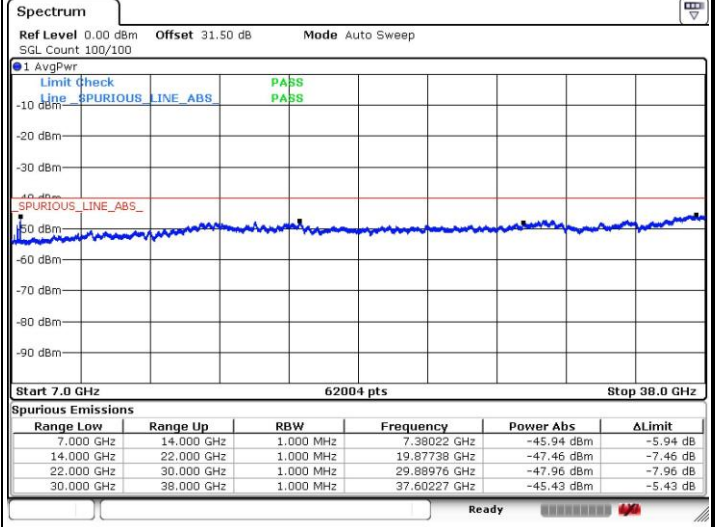
LTE B48 / 20+20MHz / Lowest& Highest Channel / CSE/ non-contiguous

QPSK-1

QPSK-2



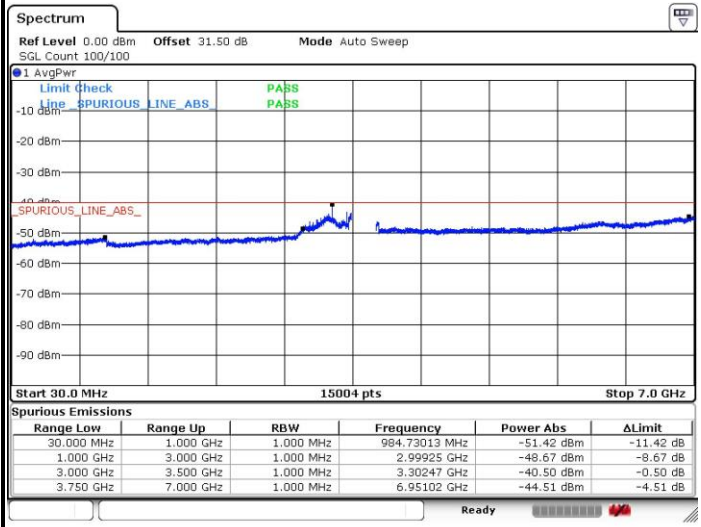
Date: 20 JUN 2023 10:51:27



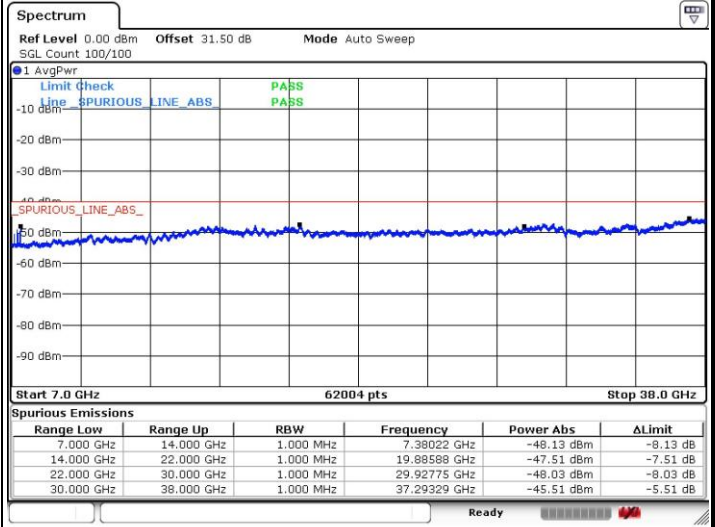
Date: 20 JUN 2023 10:53:20

16QAM-1

16QAM-2



Date: 20 JUN 2023 11:06:41



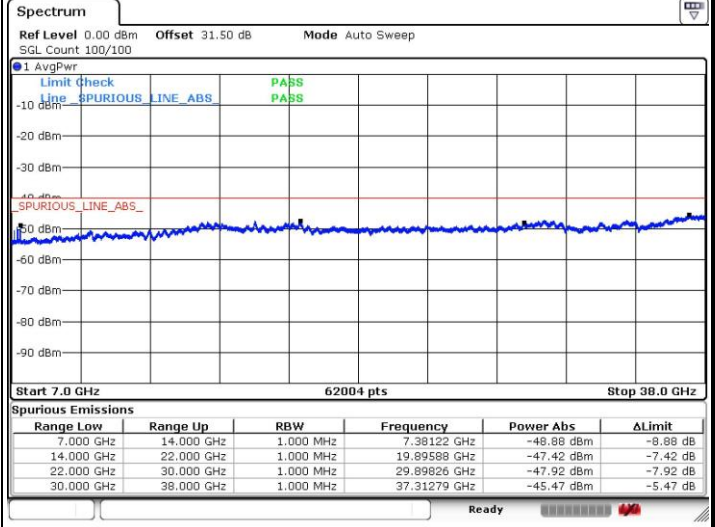
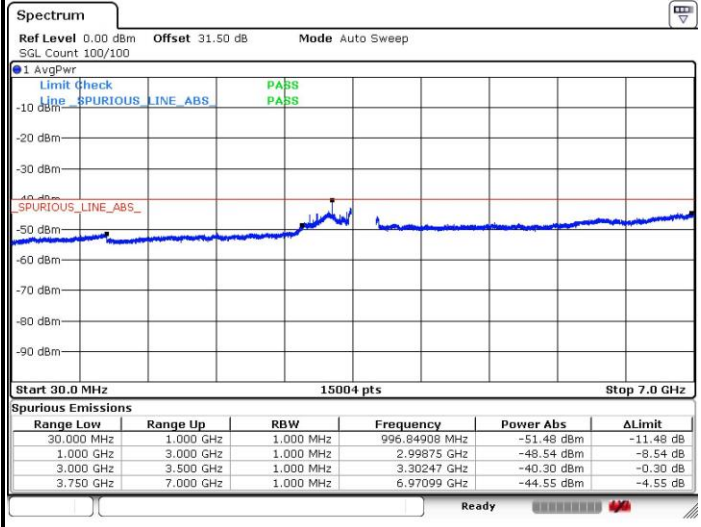
Date: 20 JUN 2023 11:08:19



LTE B48 / 20+20MHz / Lowest& Highest Channel / CSE/ non-contiguous

64QAM-1

64QAM-2

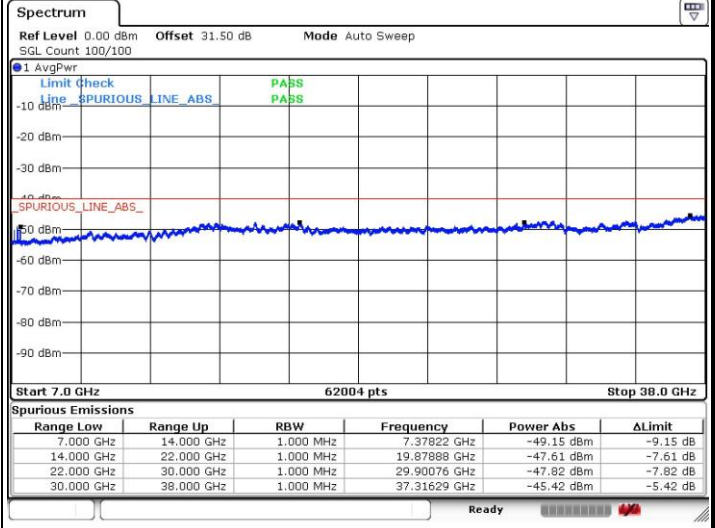
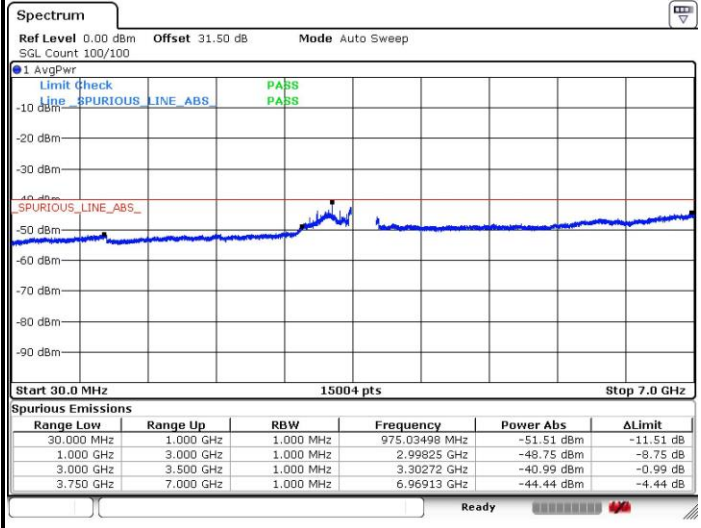


Date: 20 JUN 2023 11:28:27

Date: 20 JUN 2023 11:30:22

256QAM-1

256QAM-2



Date: 20 JUN 2023 11:48:07

Date: 20 JUN 2023 11:49:41



Appendix B. Test Results of Radiated Test

MIMO <Ant. 0+1> + MIMO <Ant. 2+3>

LTE Band 48

LTE Band 48 / 10MHz+10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7110	-54.34	-40	-14.34	-51.86	-64.02	1.84	11.53	H
	7130	-55.72	-40	-15.72	-53.27	-65.35	1.84	11.48	H
	10665	-55.14	-40	-15.14	-56.63	-63.61	2.23	10.70	H
	10695	-54.40	-40	-14.40	-55.94	-62.85	2.23	10.68	H
	14220	-46.44	-40	-6.44	-54.14	-56.06	2.65	12.27	H
	14259	-49.42	-40	-9.42	-57.13	-59.02	2.64	12.24	H
	28518	-52.43	-40	-12.43	-71.98	-67.84	3.99	19.40	H
	7110	-50.13	-40	-10.13	-47.91	-59.81	1.84	11.53	V
	7130	-49.91	-40	-9.91	-47.74	-59.54	1.84	11.48	V
	10665	-55.77	-40	-15.77	-56.86	-64.24	2.23	10.70	V
	10695	-54.53	-40	-14.53	-55.7	-62.98	2.23	10.68	V
	14220	-44.64	-40	-4.64	-52.25	-54.26	2.65	12.27	V
	14259	-46.40	-40	-6.40	-54.1	-56.00	2.64	12.24	V
	28518	-50.02	-40	-10.02	-69.17	-65.43	3.99	19.40	V



Middle	7241	-55.01	-40	-15.01	-52.83	-64.47	1.86	11.32	H
	7260	-51.04	-40	-11.04	-49.93	-60.50	1.87	11.33	H
	10861	-53.99	-40	-13.99	-55.83	-62.36	2.21	10.58	H
	10891	-53.50	-40	-13.50	-55.39	-61.85	2.21	10.57	H
	14482	-47.44	-40	-7.44	-55.25	-56.93	2.62	12.11	H
	14521	-45.19	-40	-5.19	-53.03	-54.72	2.62	12.15	H
	25411	-58.87	-40	-18.87	-76.48	-73.96	3.80	18.89	H
	7241	-51.36	-40	-11.36	-49.51	-60.82	1.86	11.32	V
	7260	-46.33	-40	-6.33	-44.52	-55.79	1.87	11.33	V
	10861	-53.93	-40	-13.93	-55.55	-62.30	2.21	10.58	V
	10891	-50.72	-40	-10.72	-52.41	-59.07	2.21	10.57	V
	14482	-43.06	-40	-3.06	-51.35	-52.55	2.62	12.11	V
	14521	-41.51	-40	-1.51	-49.91	-51.04	2.62	12.15	V
	21723	-51.77	-40	-11.77	-65.83	-66.96	3.43	18.62	V
Highest	7370	-54.68	-40	-14.68	-52.94	-64.14	1.93	11.39	H
	7390	-51.43	-40	-11.43	-49.74	-60.89	1.94	11.40	H
	11055	-54.24	-40	-14.24	-56.49	-62.58	2.22	10.57	H
	11085	-53.79	-40	-13.79	-56.14	-62.16	2.23	10.60	H
	14740	-46.72	-40	-6.72	-54.83	-56.76	2.59	12.63	H
	14780	-46.68	-40	-6.68	-54.84	-56.81	2.59	12.72	H
	25865	-59.48	-40	-19.48	-77.4	-74.65	3.91	19.07	H
	7370	-51.54	-40	-11.54	-49.94	-61.00	1.93	11.39	V
	7390	-44.56	-40	-4.56	-42.98	-54.02	1.94	11.40	V
	11055	-54.28	-40	-14.28	-56.46	-62.62	2.22	10.57	V
	11085	-53.54	-40	-13.54	-55.84	-61.91	2.23	10.60	V
	14740	-41.70	-40	-1.70	-50.8	-51.74	2.59	12.63	V
	14780	-41.02	-40	-1.09	-50.24	-51.15	2.59	12.72	V
	22110	-50.66	-40	-10.66	-64.97	-66.02	3.52	18.88	V

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



LTE Band 48

LTE Band 48 / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7120	-56.48	-40	-16.48	-54.03	-66.14	1.84	11.50	H
	7160	-57.17	-40	-17.17	-54.78	-66.73	1.84	11.40	H
	10680	-55.34	-40	-15.34	-56.86	-63.80	2.23	10.69	H
	10740	-54.99	-40	-14.99	-56.61	-63.42	2.23	10.66	H
	14242	-46.28	-40	-6.28	-53.99	-55.89	2.65	12.25	H
	14321	-49.35	-40	-9.35	-57.08	-58.92	2.64	12.21	H
	28642	-56.43	-40	-16.43	-76.21	-71.81	3.99	19.37	H
	7120	-53.06	-40	-13.06	-50.88	-62.72	1.84	11.50	V
	7160	-52.18	-40	-12.18	-50.13	-61.74	1.84	11.40	V
	10680	-55.93	-40	-15.93	-57.06	-64.39	2.23	10.69	V
	10740	-54.40	-40	-14.40	-55.68	-62.83	2.23	10.66	V
	14242	-45.84	-40	-5.84	-53.5	-55.45	2.65	12.25	V
	14321	-46.45	-40	-6.45	-54.31	-56.02	2.64	12.21	V
	21481	-55.34	-40	-15.34	-69.24	-70.35	3.37	18.38	V
Middle	7230	-56.24	-40	-16.24	-54.01	-65.70	1.86	11.32	H
	7270	-50.59	-40	-10.59	-48.51	-60.05	1.88	11.34	H
	10845	-53.97	-40	-13.97	-55.78	-62.35	2.22	10.59	H
	10905	-54.07	-40	-14.07	-55.98	-62.42	2.21	10.56	H
	14460	-45.48	-40	-5.48	-53.28	-54.98	2.62	12.12	H
	14540	-44.99	-40	-4.99	-52.86	-54.56	2.62	12.19	H
	25305	-59.46	-40	-19.46	-77.04	-74.45	3.77	18.77	H
	7230	-52.68	-40	-12.68	-50.8	-62.14	1.86	11.32	V
	7270	-46.97	-40	-6.97	-45.18	-56.43	1.88	11.34	V
	10845	-54.11	-40	-14.11	-55.69	-62.49	2.22	10.59	V
	10905	-50.79	-40	-10.79	-52.52	-59.14	2.21	10.56	V
	14460	-42.17	-40	-2.17	-50.4	-51.67	2.62	12.12	V
	14540	-41.02	-40	-1.02	-49.48	-50.59	2.62	12.19	V
	21690	-50.58	-40	-10.58	-64.63	-65.75	3.42	18.59	V



Highest	7340	-55.58	-40	-15.58	-53.72	-65.04	1.91	11.37	H
	7380	-49.81	-40	-9.81	-48.08	-59.27	1.93	11.39	H
	11010	-53.92	-40	-13.92	-56.02	-62.23	2.20	10.51	H
	11070	-54.20	-40	-14.20	-56.5	-62.56	2.23	10.58	H
	14680	-45.21	-40	-5.21	-53.24	-55.11	2.60	12.50	H
	14760	-47.60	-40	-7.60	-55.73	-57.68	2.59	12.67	H
	22020	-48.33	-40	-8.33	-62.91	-63.71	3.51	18.90	H
	7340	-51.36	-40	-11.36	-49.69	-60.82	1.91	11.37	V
	7380	-44.89	-40	-4.89	-43.29	-54.35	1.93	11.39	V
	11010	-54.15	-40	-14.15	-56.17	-62.46	2.20	10.51	V
	11070	-53.10	-40	-13.10	-55.34	-61.46	2.23	10.58	V
	14680	-41.13	-40	-1.13	-50.03	-51.03	2.60	12.50	V
	14760	-41.52	-40	-1.52	-50.67	-51.60	2.59	12.67	V
	22020	-49.58	-40	-9.58	-63.79	-64.96	3.51	18.90	V

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