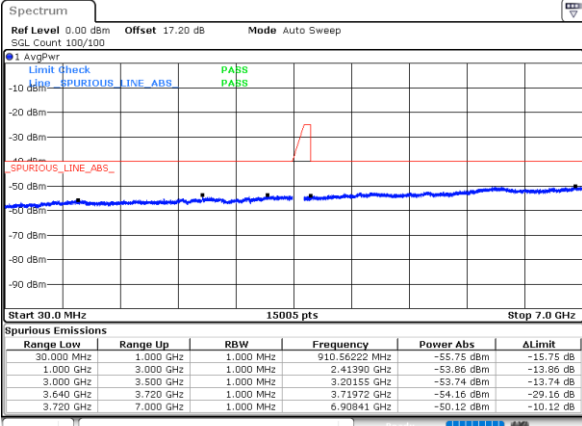




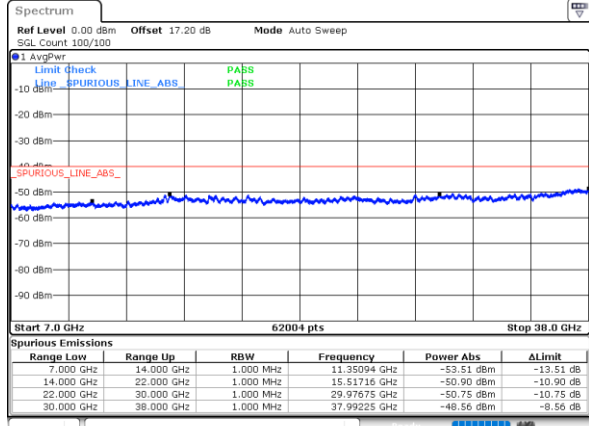
LTE Band 48C / 10MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

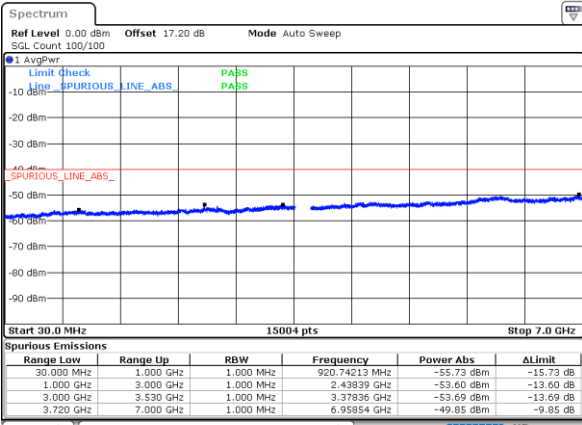


Date: 20.AUG.2022 00:04:26

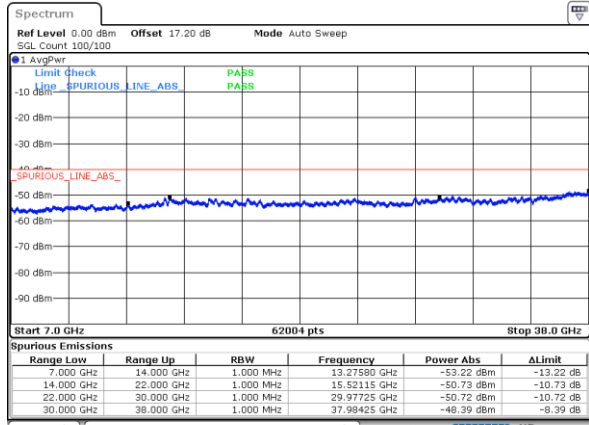


Date: 20.AUG.2022 00:13:11

Middle Channel / 1RB0 and 1RB99

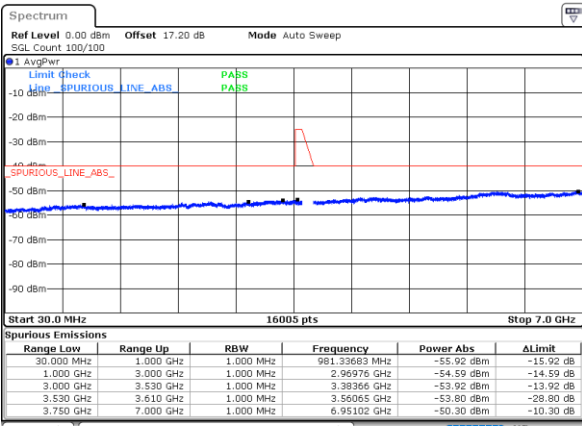


Date: 20.AUG.2022 00:49:59

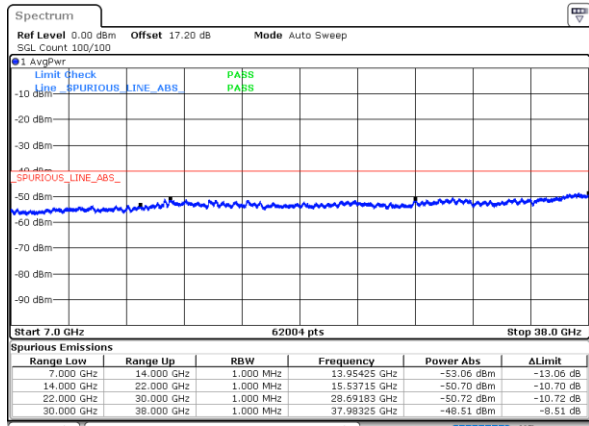


Date: 20.AUG.2022 00:51:35

Highest Channel / 1RB0 and 1RB99



Date: 20.AUG.2022 01:40:43



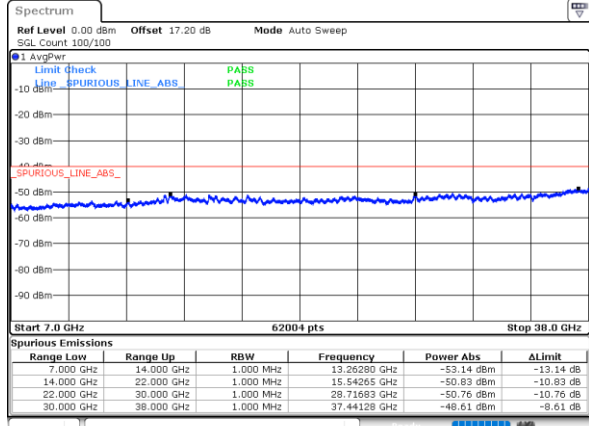
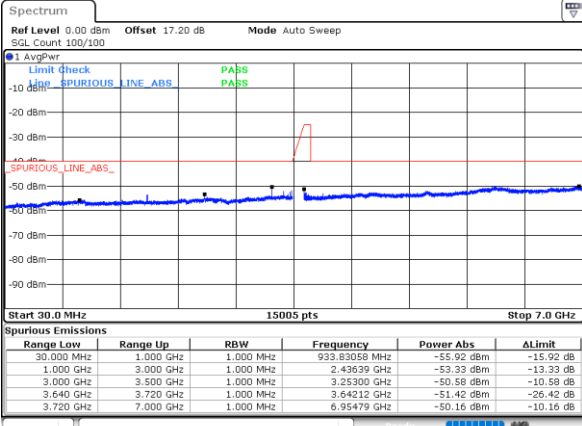
Date: 20.AUG.2022 01:42:12



LTE Band 48C / 10MHz+20MHz

QPSK

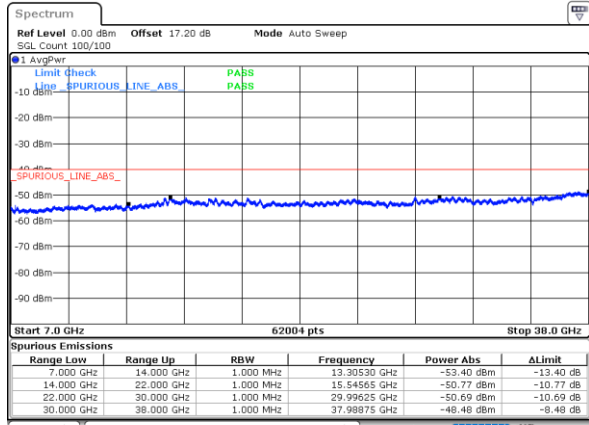
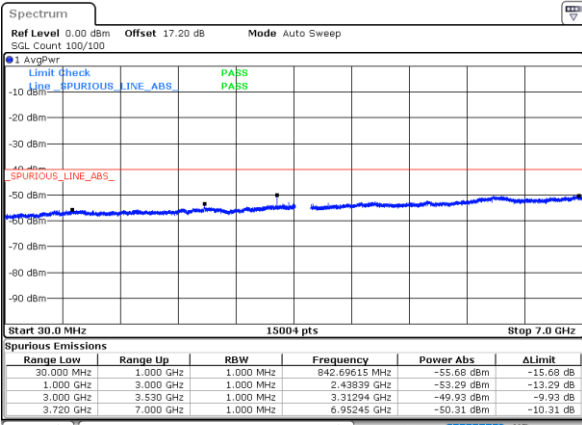
Lowest Channel / 1RB49 and 1RB0



Date: 20_AUG.2022 00:23:10

Date: 20_AUG.2022 00:24:44

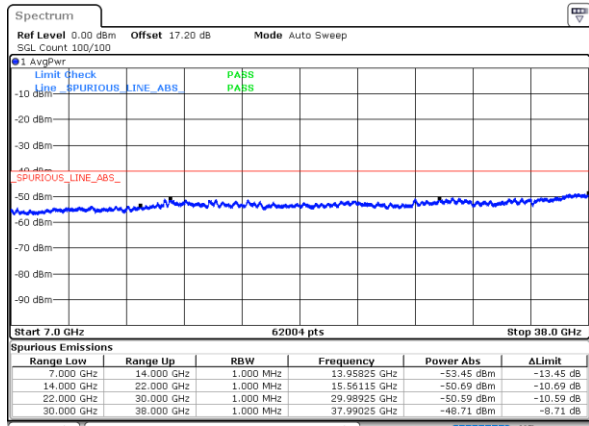
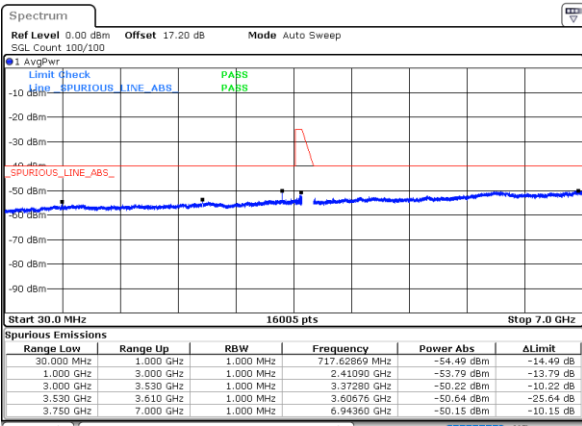
Middle Channel / 1RB49 and 1RB0



Date: 20_AUG.2022 01:04:30

Date: 20_AUG.2022 01:06:07

Highest Channel / 1RB49 and 1RB0



Date: 20_AUG.2022 01:50:35

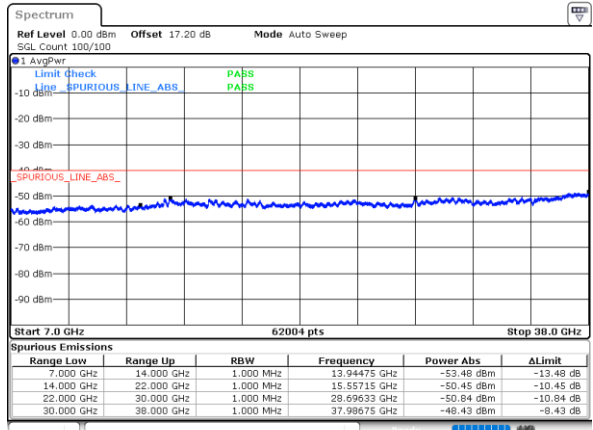
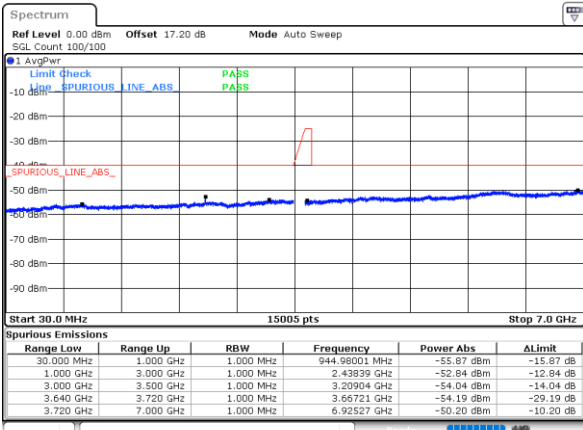
Date: 20_AUG.2022 01:52:01



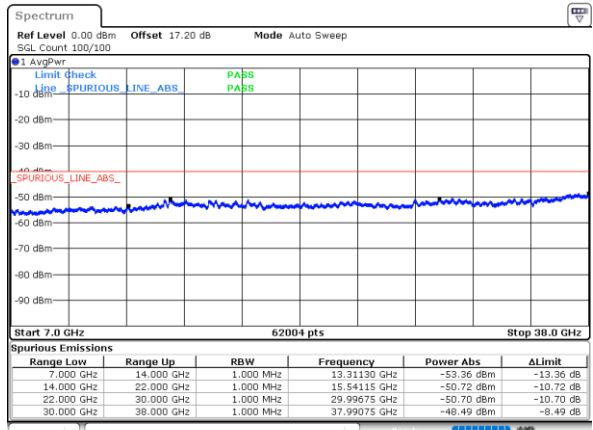
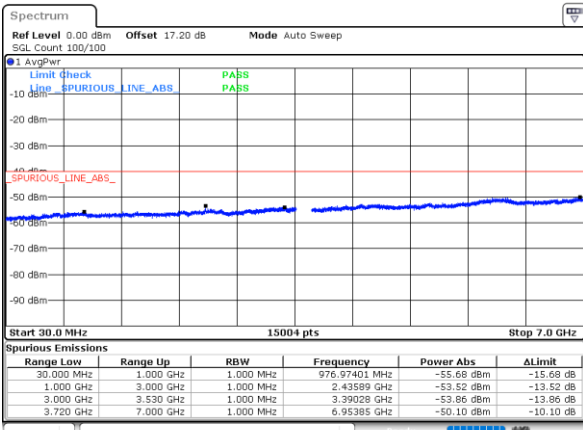
LTE Band 48C / 15MHz+20MHz

QPSK

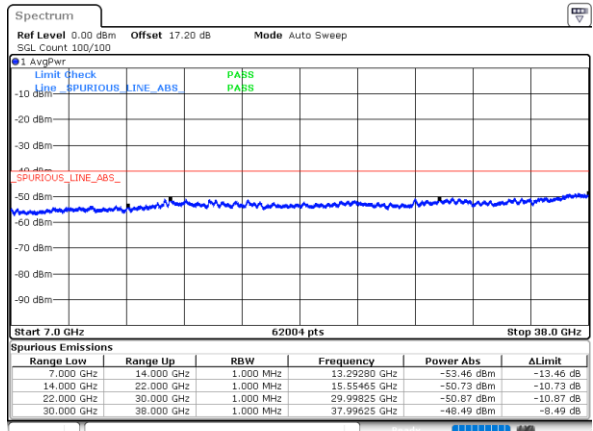
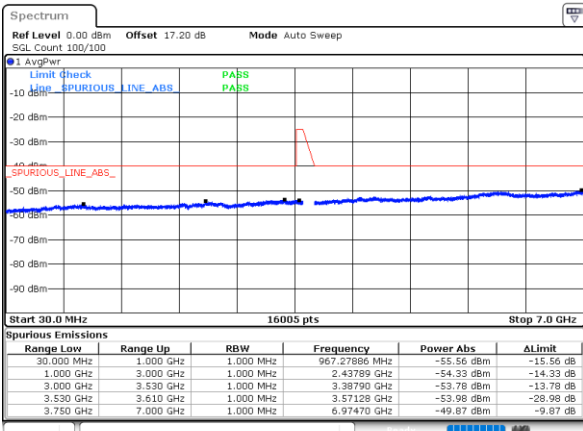
Lowest Channel / 1RB0 and 1RB99



Middle Channel / 1RB0 and 1RB99



Highest Channel / 1RB0 and 1RB99

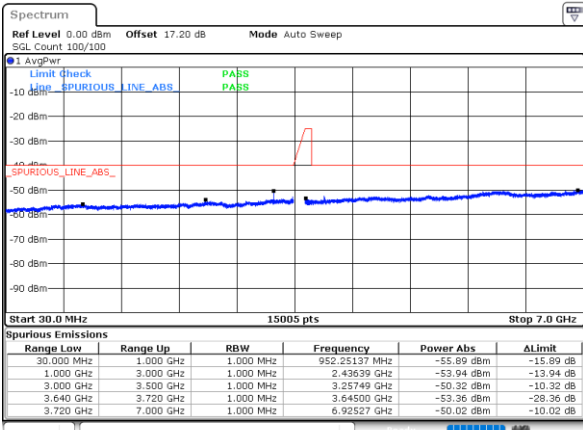




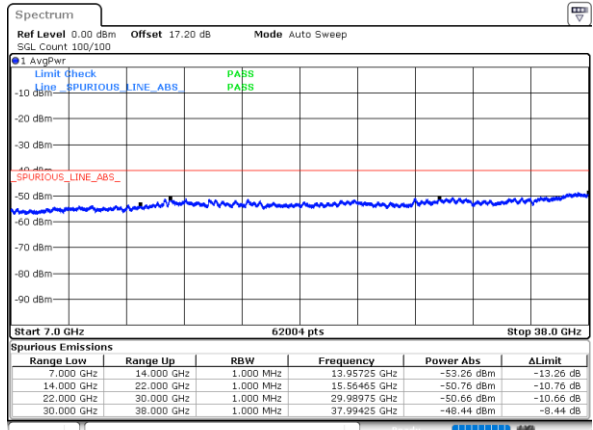
LTE Band 48C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

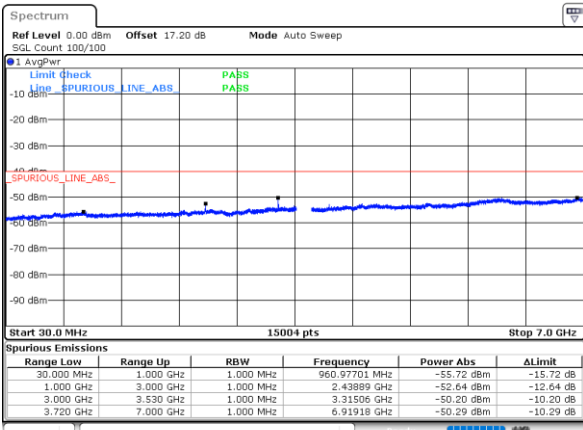


Date: 20_AUG.2022 08:41:39

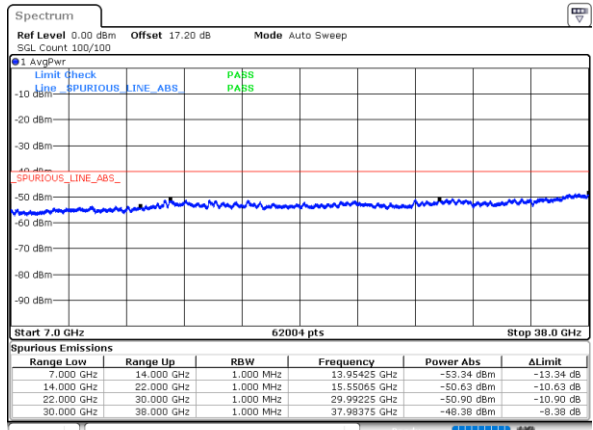


Date: 20_AUG.2022 08:43:05

Middle Channel / 1RB74 and 1RB0

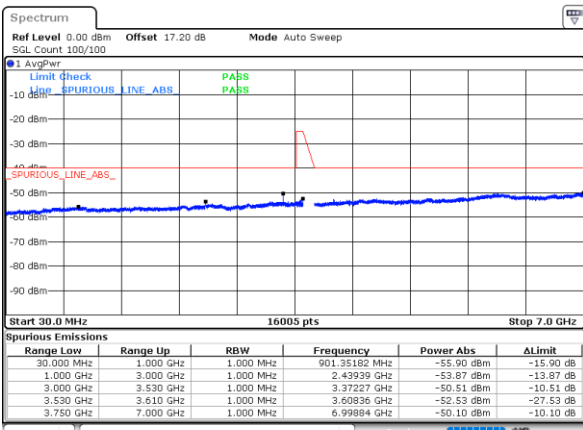


Date: 20_AUG.2022 09:36:58

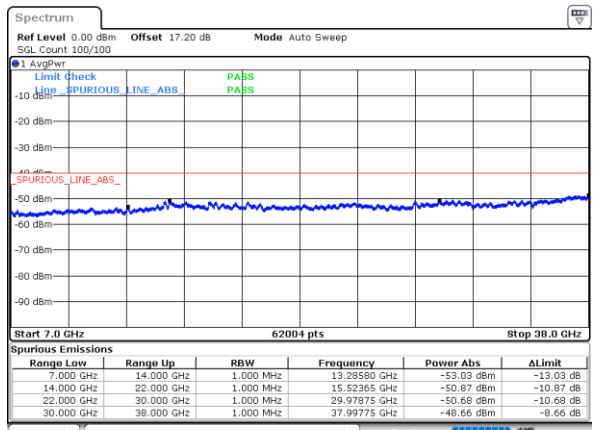


Date: 20_AUG.2022 09:38:24

Highest Channel / 1RB74 and 1RB0



Date: 20_AUG.2022 10:16:11



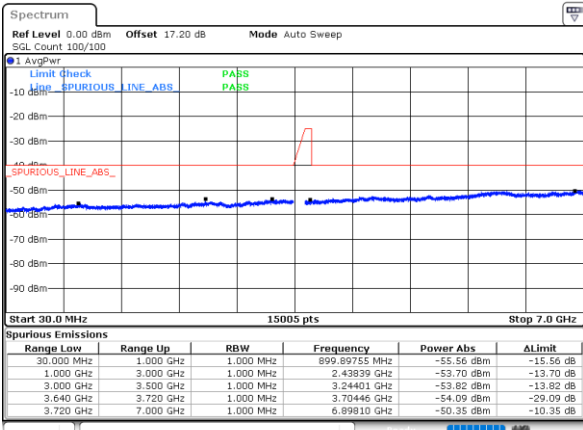
Date: 20_AUG.2022 10:17:37



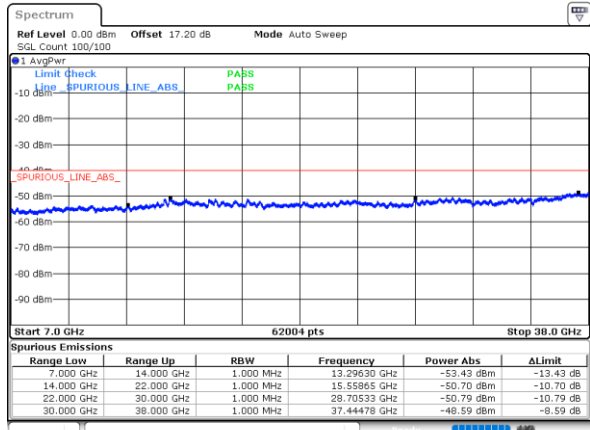
LTE Band 48C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB0 and 1RB24

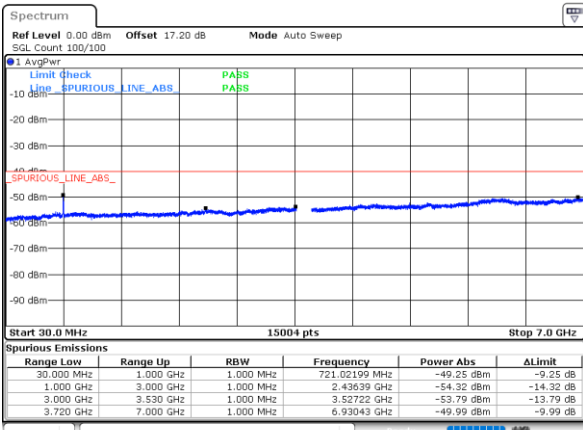


Date: 20.AUG.2022 10:35:48

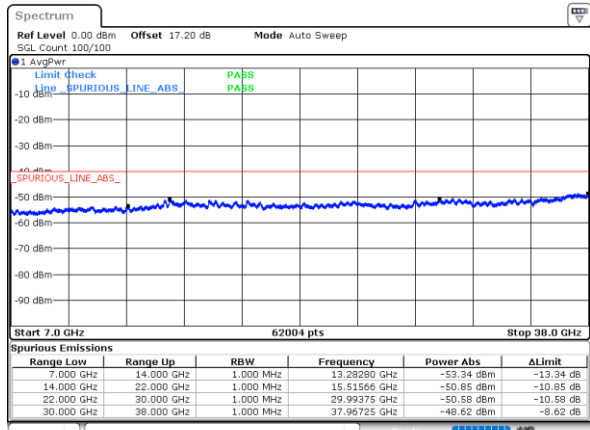


Date: 20.AUG.2022 10:37:14

Middle Channel / 1RB0 and 1RB24

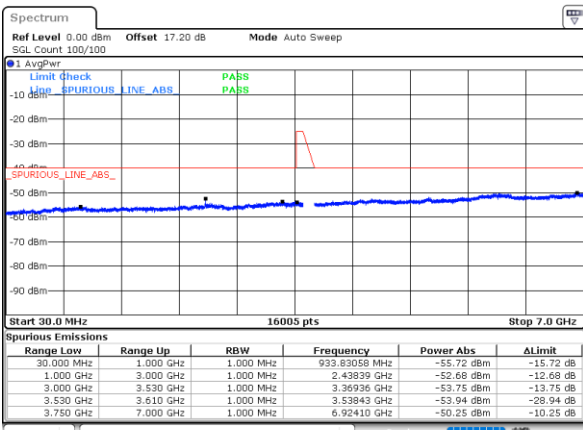


Date: 20.AUG.2022 11:25:53

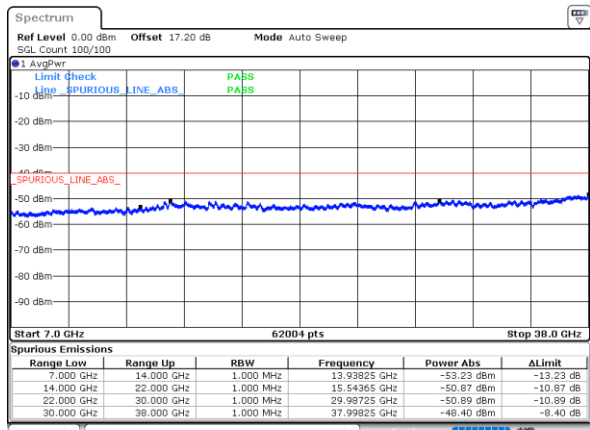


Date: 20.AUG.2022 11:27:19

Highest Channel / 1RB0 and 1RB24



Date: 20.AUG.2022 12:00:52



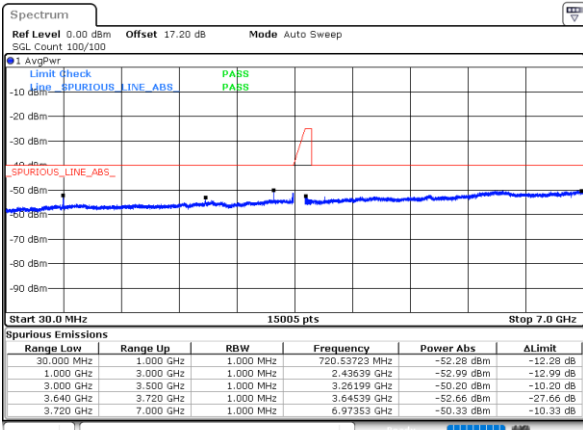
Date: 20.AUG.2022 12:02:17



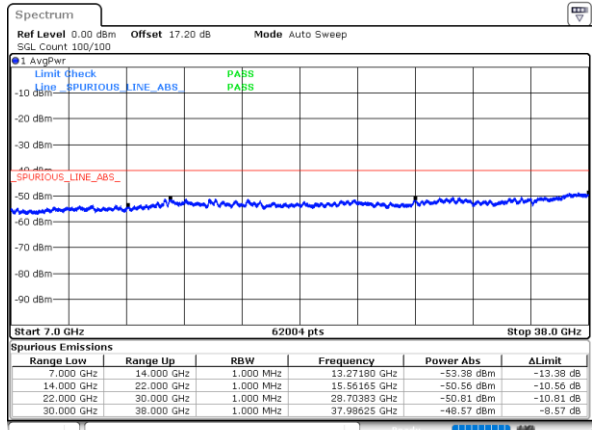
LTE Band 48C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

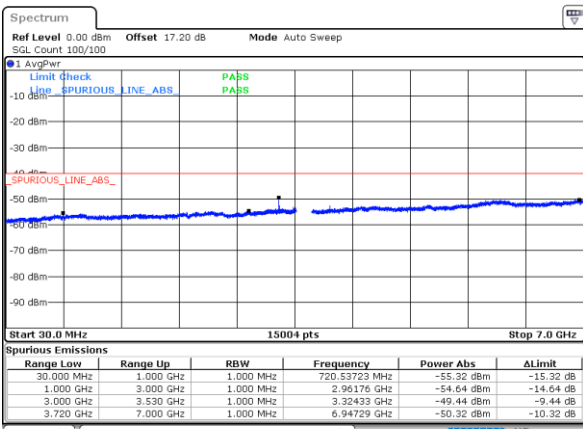


Date: 20.AUG.2022 11:03:10

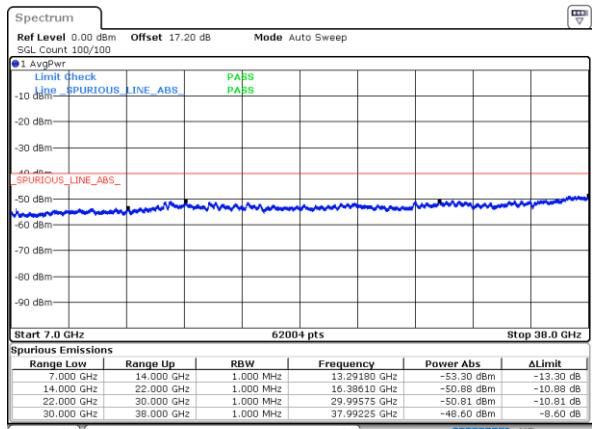


Date: 20.AUG.2022 11:05:56

Middle Channel / 1RB99 and 1RB0

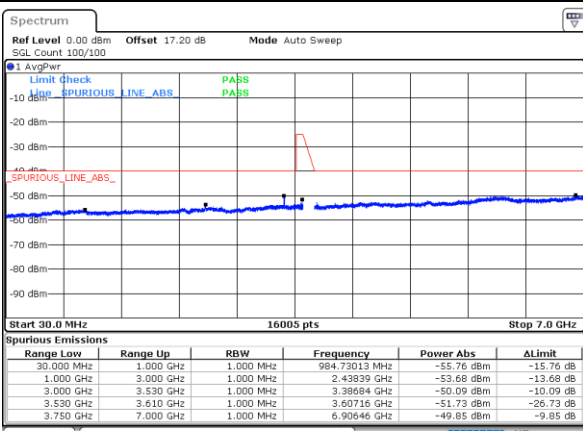


Date: 20.AUG.2022 11:36:19

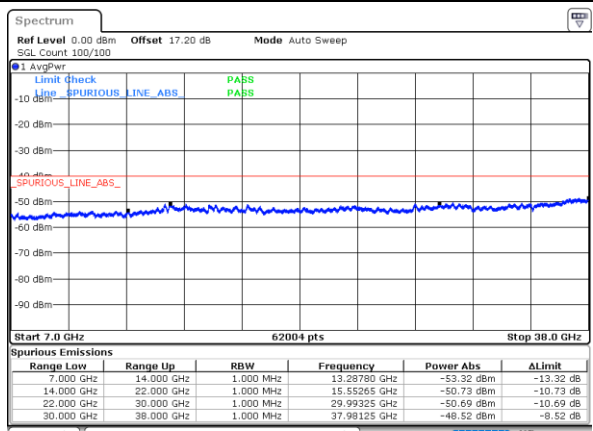


Date: 20.AUG.2022 11:37:45

Highest Channel / 1RB99 and 1RB0



Date: 20.AUG.2022 12:11:15



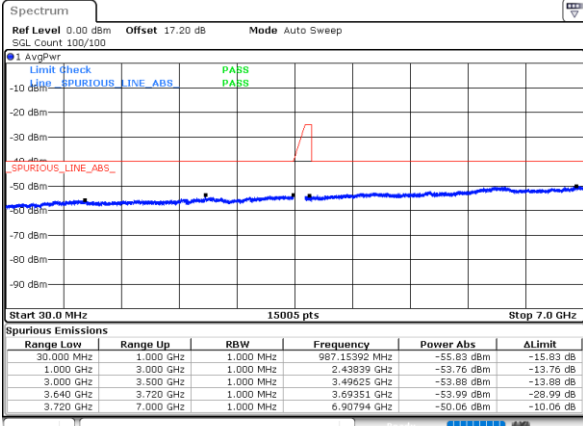
Date: 20.AUG.2022 12:12:41



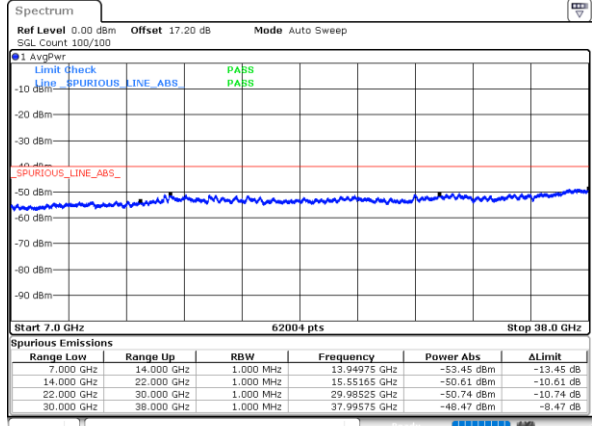
LTE Band 48C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB0 and 1RB49

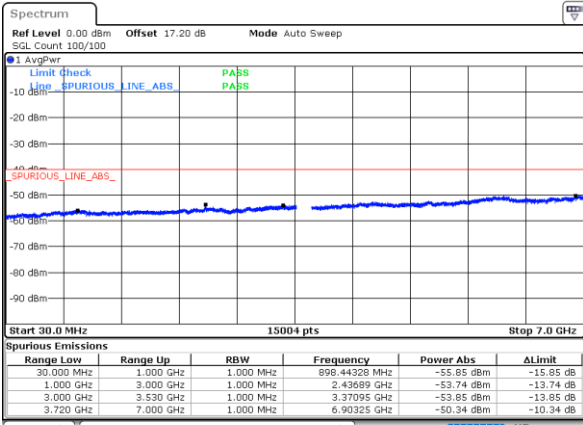


Date: 20_AUG.2022 12:32:47

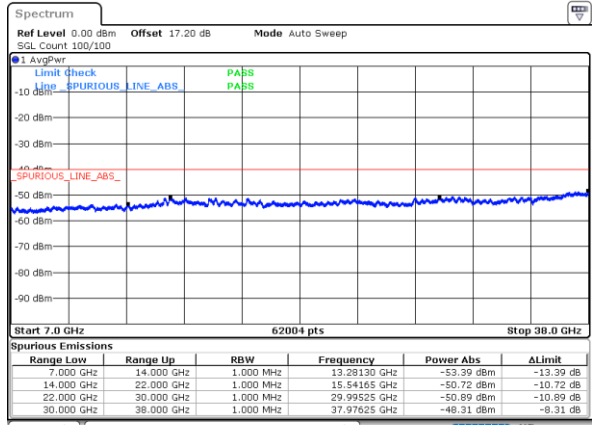


Date: 20_AUG.2022 12:34:13

Middle Channel / 1RB0 and 1RB49

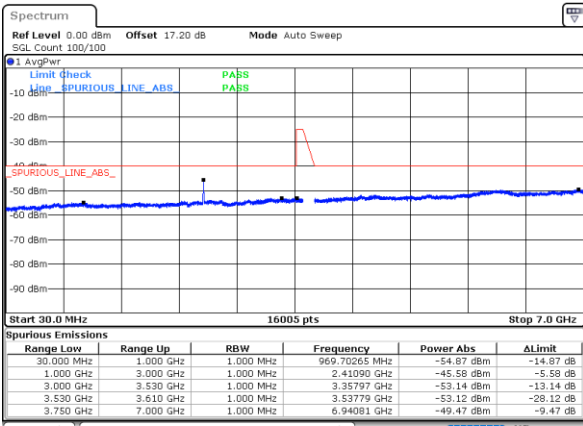


Date: 20_AUG.2022 13:02:57

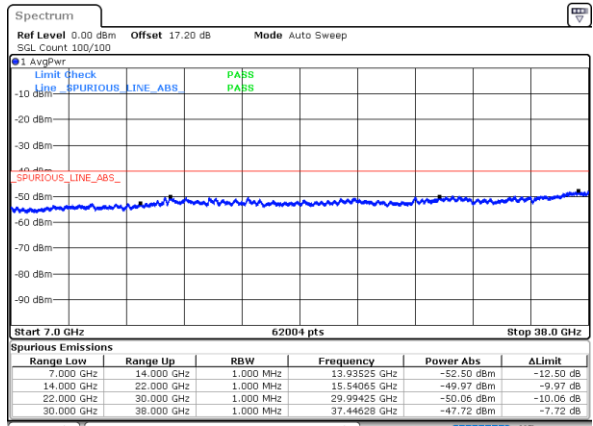


Date: 20_AUG.2022 13:04:23

Highest Channel / 1RB0 and 1RB49



Date: 22_AUG.2022 09:12:14



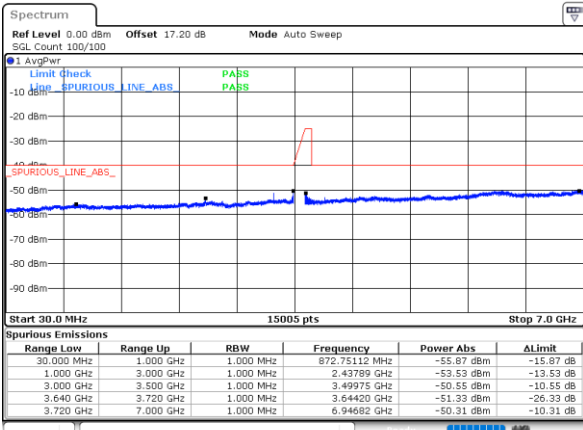
Date: 22_AUG.2022 09:13:44



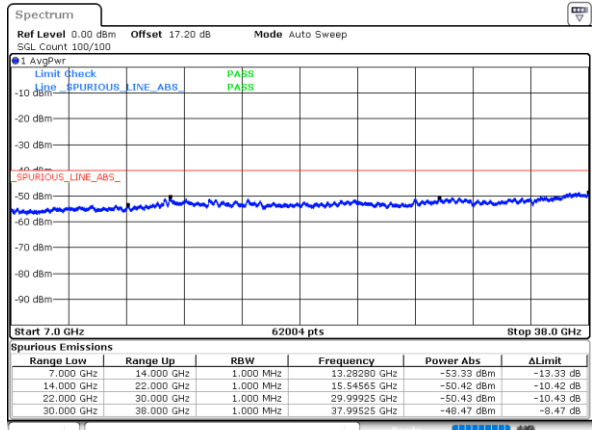
LTE Band 48C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

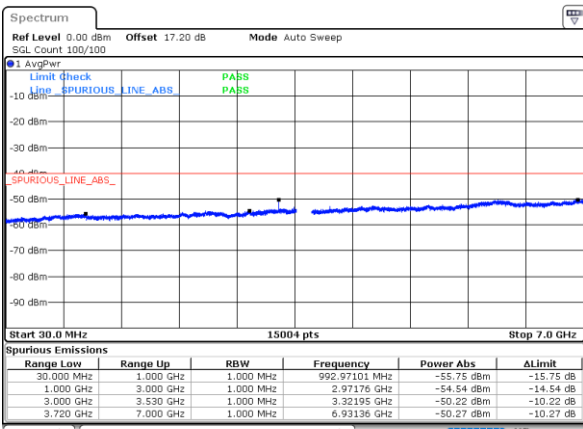


Date: 20_AUG.2022 12:42:33

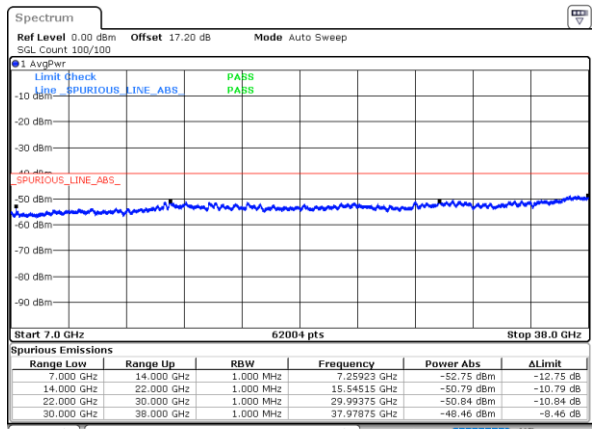


Date: 20_AUG.2022 12:43:57

Middle Channel / 1RB99 and 1RB0

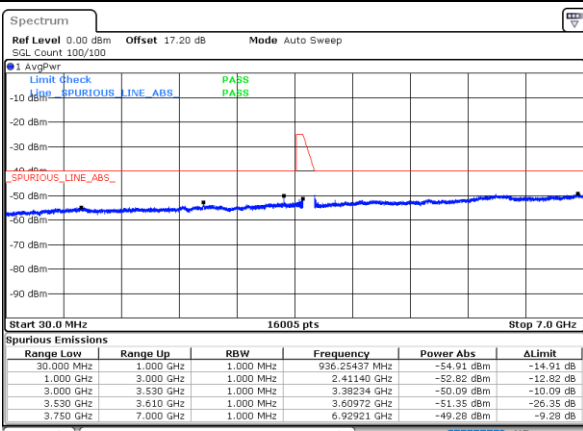


Date: 20_AUG.2022 13:12:41

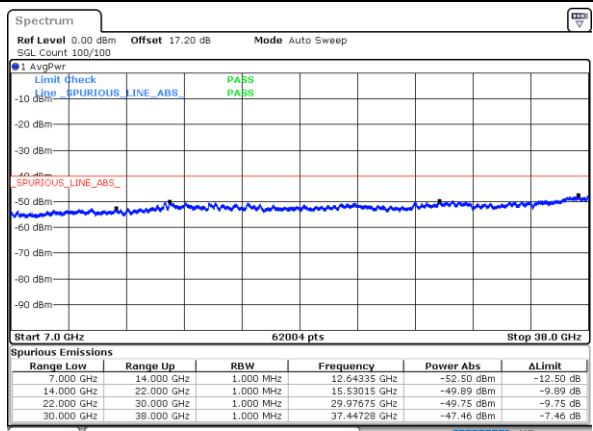


Date: 20_AUG.2022 13:14:07

Highest Channel / 1RB99 and 1RB0



Date: 22_AUG.2022 09:22:37



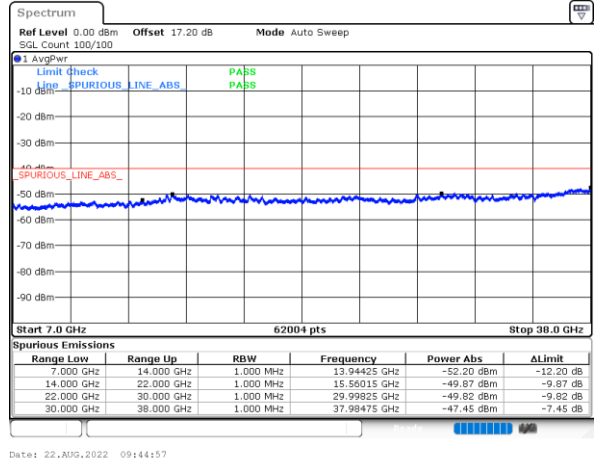
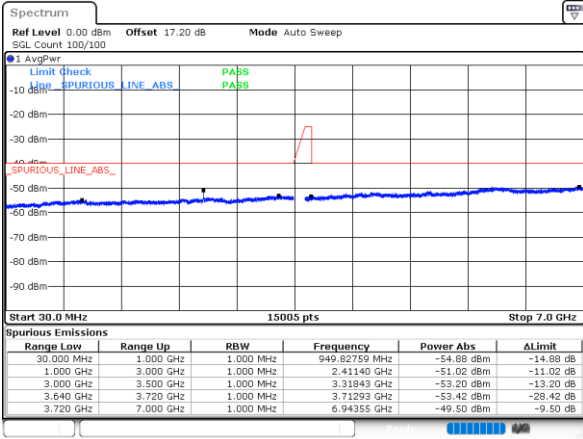
Date: 22_AUG.2022 09:24:07



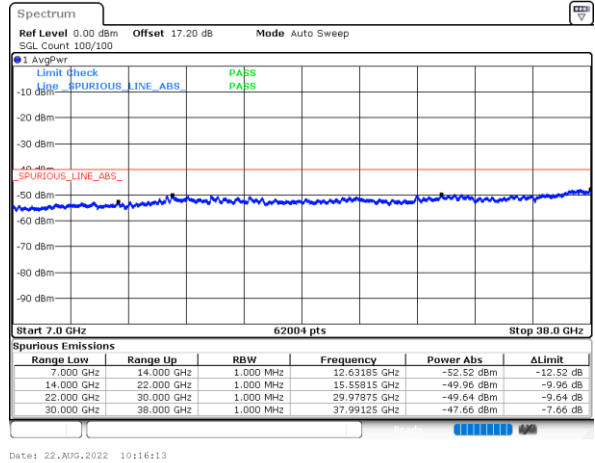
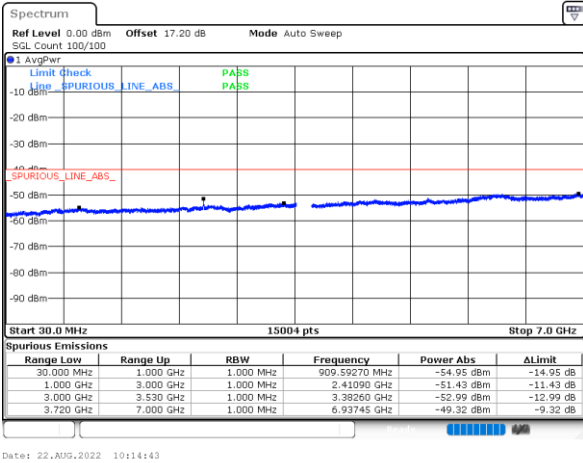
LTE Band 48C / 20MHz+15MHz

QPSK

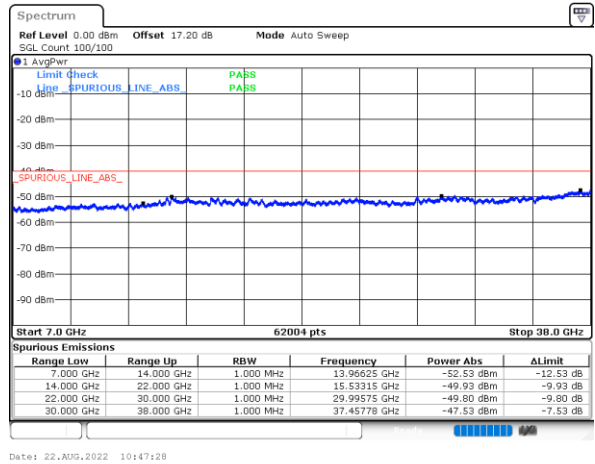
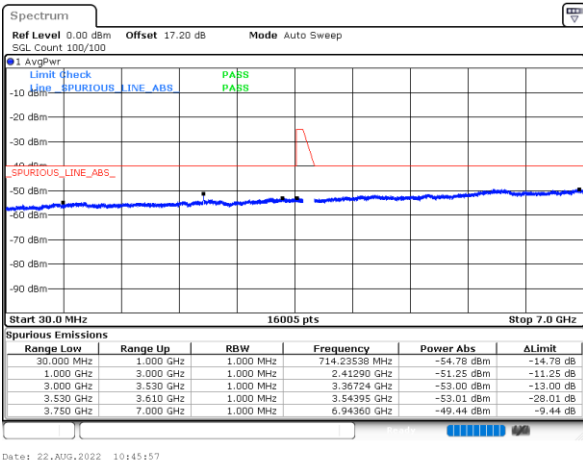
Lowest Channel / 1RB0 and 1RB74



Middle Channel / 1RB0 and 1RB74



Highest Channel / 1RB0 and 1RB74

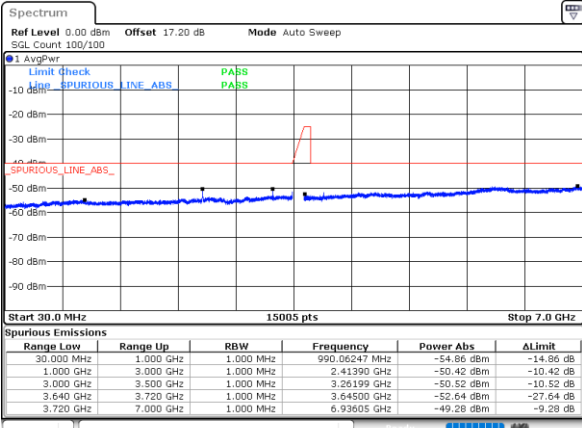




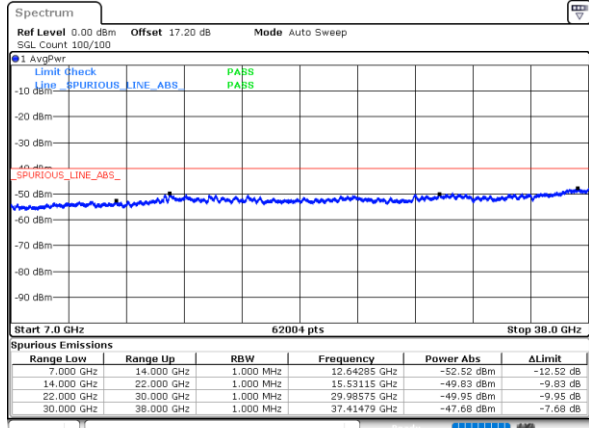
LTE Band 48C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

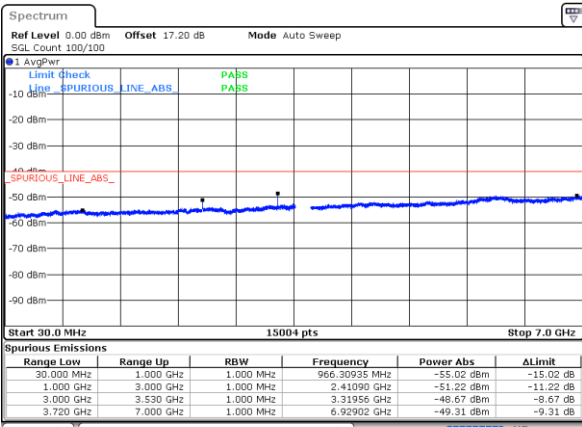


Date: 22.AUG.2022 09:53:12

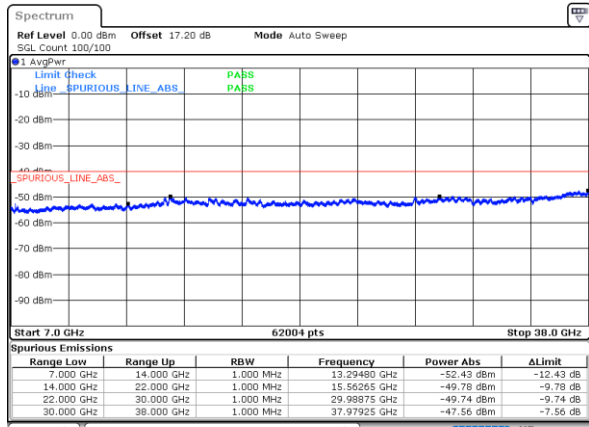


Date: 22.AUG.2022 09:55:12

Middle Channel / 1RB99 and 1RB0

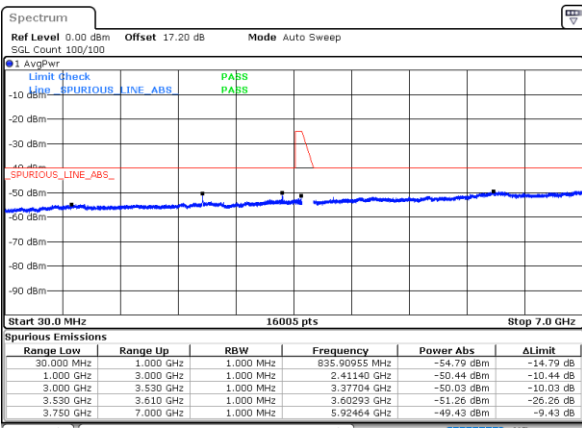


Date: 22.AUG.2022 10:25:08

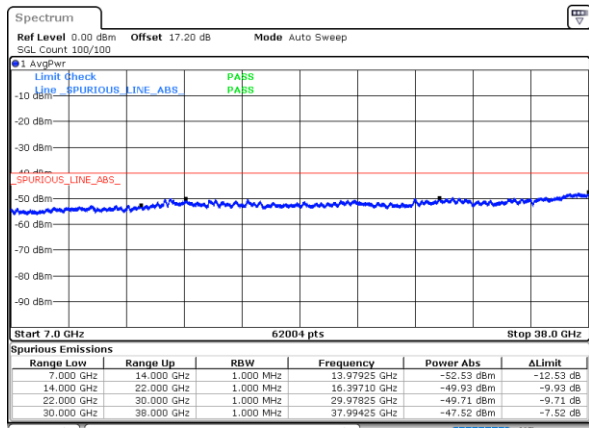


Date: 22.AUG.2022 10:26:38

Highest Channel / 1RB99 and 1RB0



Date: 22.AUG.2022 10:56:21



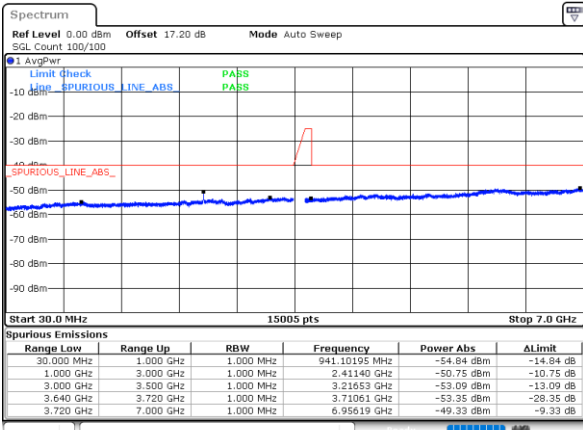
Date: 22.AUG.2022 10:57:51



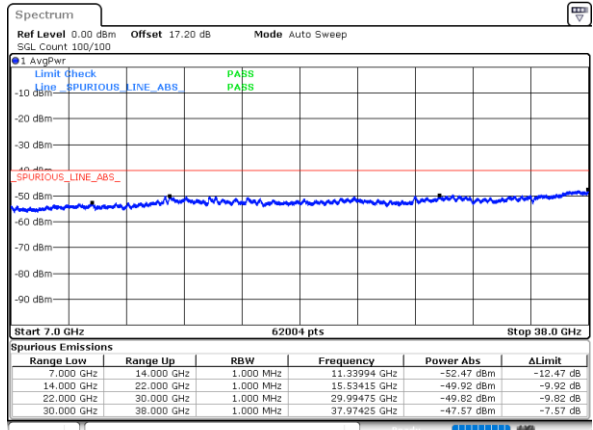
LTE Band 48C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

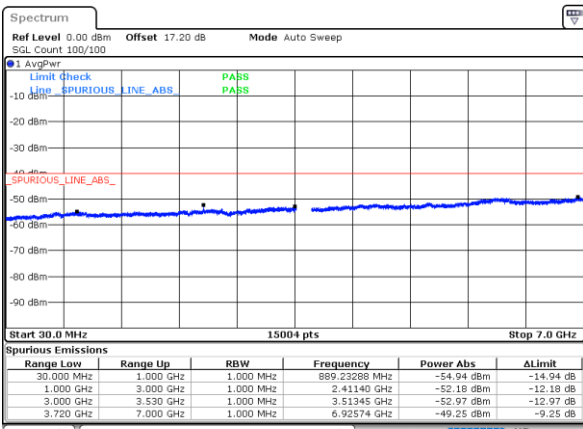


Date: 22.AUG.2022 11:47:41

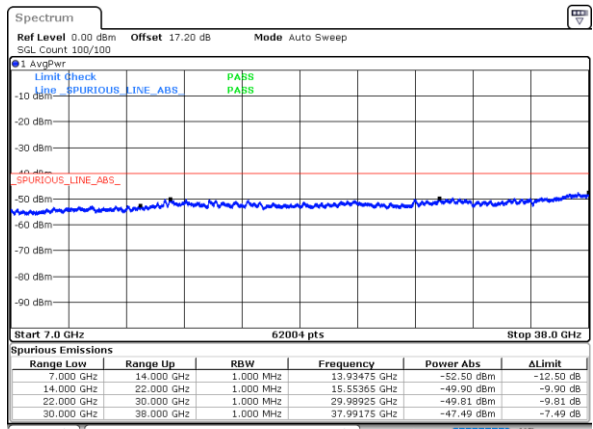


Date: 22.AUG.2022 11:49:09

MiddleChannel / 1RB0 and 1RB99

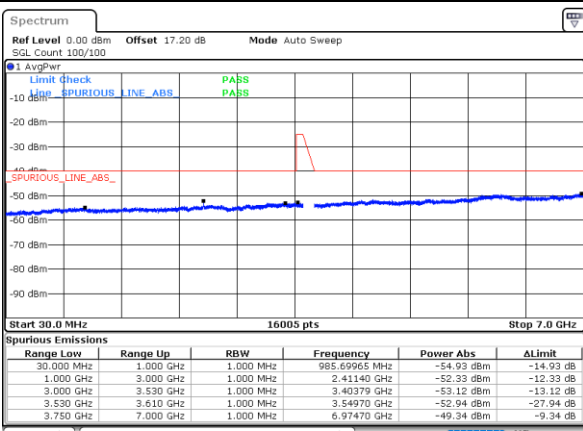


Date: 22.AUG.2022 12:17:57

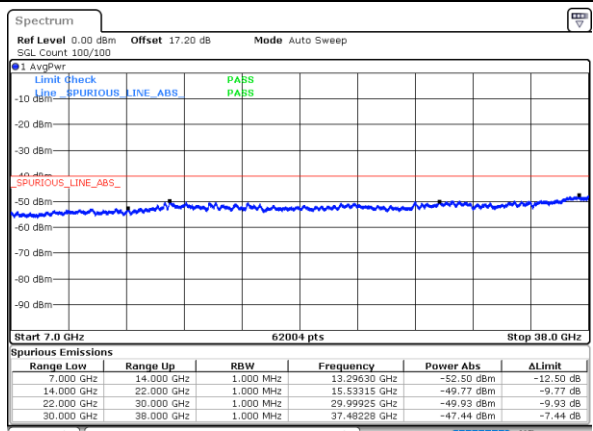


Date: 22.AUG.2022 12:19:26

Highest Channel / 1RB0 and 1RB99



Date: 22.AUG.2022 11:17:25



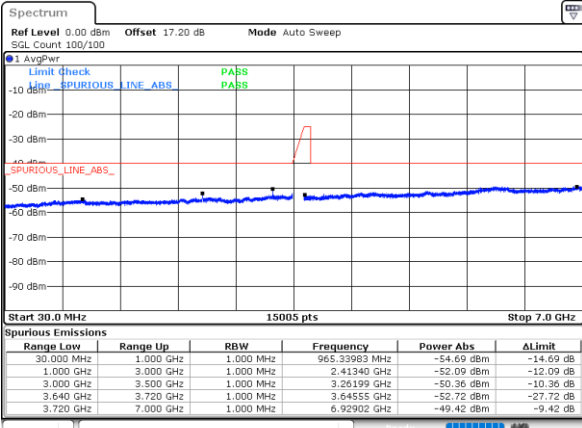
Date: 22.AUG.2022 11:18:54



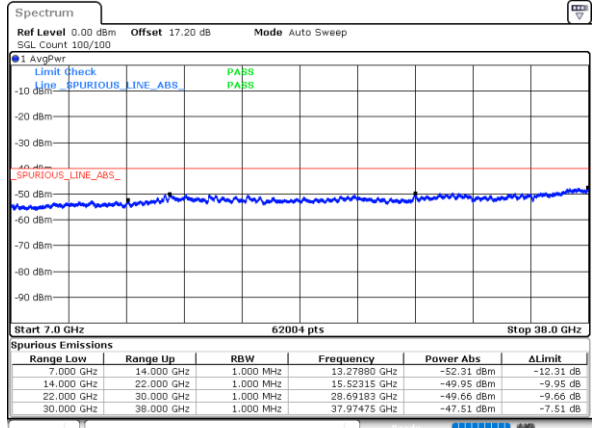
LTE Band 48C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

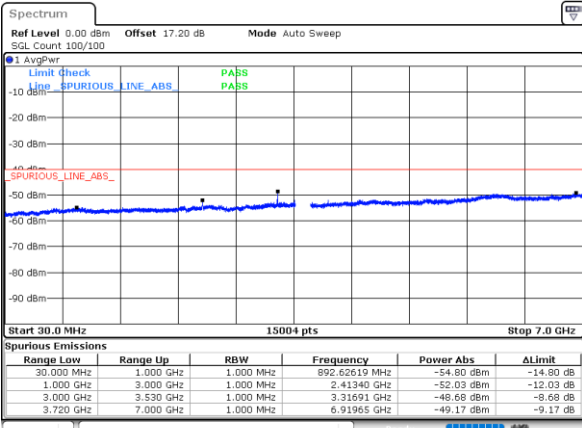


Date: 22.AUG.2022 11:57:46

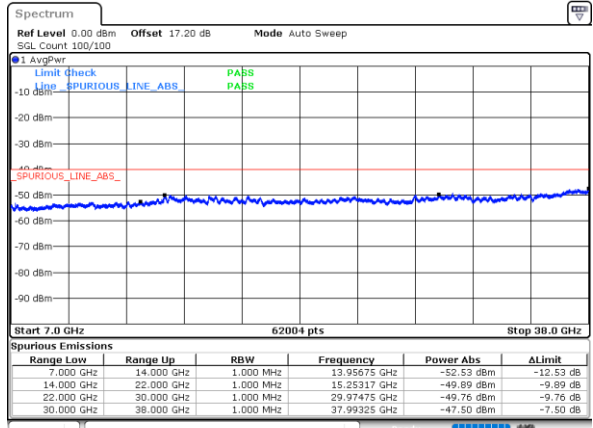


Date: 22.AUG.2022 11:59:14

Middle Channel / 1RB99 and 1RB0

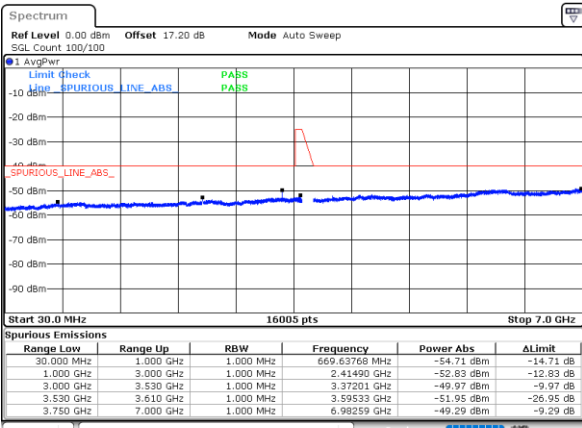


Date: 22.AUG.2022 12:28:02

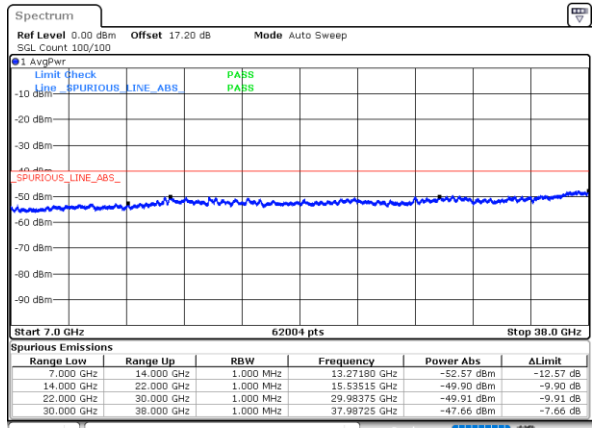


Date: 22.AUG.2022 12:29:30

Highest Channel / 1RB99 and 1RB0



Date: 22.AUG.2022 11:27:30



Date: 22.AUG.2022 11:28:59



Appendix B. Test Results of Radiated Test

LTE Band 48

LTE Band 48 / 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	7101	-51.60	-40	-11.60	-49.73	-61.31	1.84	11.55	H
	10651	-53.04	-40	-13.04	-55.64	-61.51	2.23	10.71	H
	14202	-48.98	-40	-8.98	-57.71	-58.61	2.65	12.28	H
	21303	-62.84	-40	-22.84	-77.21	-77.68	3.32	18.16	H
	24854	-52.26	-40	-12.26	-70.54	-67.03	3.71	18.49	H
	28404	-55.96	-40	-15.96	-76.47	-71.43	3.99	19.46	H
									H
	7101	-50.61	-40	-10.61	-48.98	-60.32	1.84	11.55	V
	10651	-53.77	-40	-13.77	-55.95	-62.24	2.23	10.71	V
	14202	-49.17	-40	-9.17	-57.76	-58.80	2.65	12.28	V
	21303	-63.59	-40	-23.59	-77.65	-78.43	3.32	18.16	V
	24854	-52.97	-40	-12.97	-70.93	-67.74	3.71	18.49	V
	28404	-56.23	-40	-16.23	-76.32	-71.70	3.99	19.46	V
									V
Middle	7241	-52.77	-40	-12.77	-51.26	-62.23	1.86	11.32	H
	10861	-51.46	-40	-11.46	-54.48	-59.83	2.21	10.58	H
	14482	-48.67	-40	-8.67	-57.66	-58.16	2.62	12.11	H
	18099	-59.24	-40	-19.24	-70.74	-73.61	3.23	17.60	H
	21723	-61.06	-40	-21.06	-76.25	-76.25	3.43	18.62	H
	25348	-52.40	-40	-12.40	-70.72	-67.43	3.78	18.82	H
									H
	7241	-52.82	-40	-12.82	-51.65	-62.28	1.86	11.32	V
	10861	-50.68	-40	-10.68	-53.48	-59.05	2.21	10.58	V
	14482	-48.07	-40	-8.07	-57.53	-57.56	2.62	12.11	V
	18099	-58.10	-40	-18.10	-69.3	-72.47	3.23	17.60	V
	21723	-61.41	-40	-21.41	-76.26	-76.60	3.43	18.62	V
	25348	-51.14	-40	-11.14	-69.18	-66.17	3.78	18.82	V



Highest	7381	-51.54	-40	-11.54	-50.37	-61.00	1.93	11.39	H
	11071	-48.88	-40	-8.88	-52.37	-57.24	2.23	10.59	H
	14762	-48.71	-40	-8.71	-57.8	-58.80	2.59	12.68	H
	18452	-61.46	-40	-21.46	-73.3	-75.82	3.24	17.60	H
	22143	-58.31	-40	-18.31	-73.95	-73.66	3.52	18.87	H
	25834	-52.72	-40	-12.72	-71.45	-67.89	3.90	19.07	H
									H
	7381	-49.98	-40	-9.98	-48.94	-59.44	1.93	11.39	V
	11071	-47.94	-40	-7.94	-51.37	-56.30	2.23	10.59	V
	14762	-47.76	-40	-7.76	-57.88	-57.85	2.59	12.68	V
	18452	-60.83	-40	-20.83	-72.44	-75.19	3.24	17.60	V
	22143	-58.23	-40	-18.23	-73.48	-73.58	3.52	18.87	V
	25834	-53.79	-40	-13.79	-72.22	-68.96	3.90	19.07	V
									V

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



LTE Band 48C

LTE Band 48 / 20+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	7138	-56.22	-40	-16.22	-54.44	-65.84	1.84	11.46	H
	10707	-53.86	-40	-13.86	-56.57	-62.31	2.23	10.68	H
	14276	-49.06	-40	-9.06	-57.87	-58.65	2.64	12.23	H
	21413	-62.51	-40	-22.51	-77.19	-77.46	3.35	18.30	H
	24982	-59.20	-40	-19.20	-77.48	-73.91	3.70	18.41	H
	28556	-55.84	-40	-15.84	-76.46	-71.24	3.99	19.39	H
									H
	7139	-55.57	-40	-15.57	-54.09	-65.18	1.84	11.45	V
	10707	-53.83	-40	-13.83	-56.18	-62.28	2.23	10.68	V
	14276	-48.93	-40	-8.93	-57.76	-58.52	2.64	12.23	V
	21413	-62.31	-40	-22.31	-77.01	-77.26	3.35	18.30	V
	24982	-59.53	-40	-19.53	-77.81	-74.24	3.70	18.41	V
	28556	-56.06	-40	-16.06	-76.68	-71.46	3.99	19.39	V
									V
Middle	7248	-57.16	-40	-17.16	-55.67	-66.62	1.86	11.32	H
	10872	-52.51	-40	-12.51	-55.55	-60.87	2.21	10.58	H
	14496	-49.03	-40	-9.03	-58.04	-58.51	2.62	12.10	H
	18122	-60.70	-40	-20.70	-72.22	-75.07	3.23	17.60	H
	21744	-62.31	-40	-22.31	-77.51	-77.52	3.44	18.64	H
	25368	-58.97	-40	-18.97	-77.3	-74.02	3.79	18.84	H
									H
	7248	-55.56	-40	-15.56	-54.39	-65.02	1.86	11.32	V
	10872	-52.72	-40	-12.72	-55.55	-61.08	2.21	10.58	V
	14496	-48.15	-40	-8.15	-57.66	-57.63	2.62	12.10	V
	18122	-60.93	-40	-20.93	-72.16	-75.30	3.23	17.60	V
	21744	-62.66	-40	-22.66	-77.52	-77.87	3.44	18.64	V
	25368	-58.91	-40	-18.91	-76.96	-73.96	3.79	18.84	V
									V



Highest	7358	-54.57	-40	-14.57	-53.35	-64.03	1.92	11.38	H
	11037	-52.67	-40	-12.67	-56.07	-61.00	2.21	10.54	H
	14716	-48.85	-40	-8.85	-57.93	-58.83	2.59	12.58	H
	18395	-62.96	-40	-22.96	-74.75	-77.32	3.24	17.60	H
	22074	-62.72	-40	-22.72	-78.27	-78.09	3.51	18.89	H
	25747	-58.78	-40	-18.78	-77.41	-73.95	3.88	19.05	H
									H
	7358	-54.33	-40	-14.33	-53.27	-63.79	1.92	11.38	V
	11037	-52.60	-40	-12.60	-55.92	-60.93	2.21	10.54	V
	14716	-46.89	-40	-6.89	-56.91	-56.87	2.59	12.58	V
	18395	-62.80	-40	-22.80	-74.34	-77.16	3.24	17.60	V
	22074	-62.87	-40	-22.87	-78.04	-78.24	3.51	18.89	V
	25747	-59.08	-40	-19.08	-77.42	-74.25	3.88	19.05	V
									V

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

Appendix C. Setup Photographs

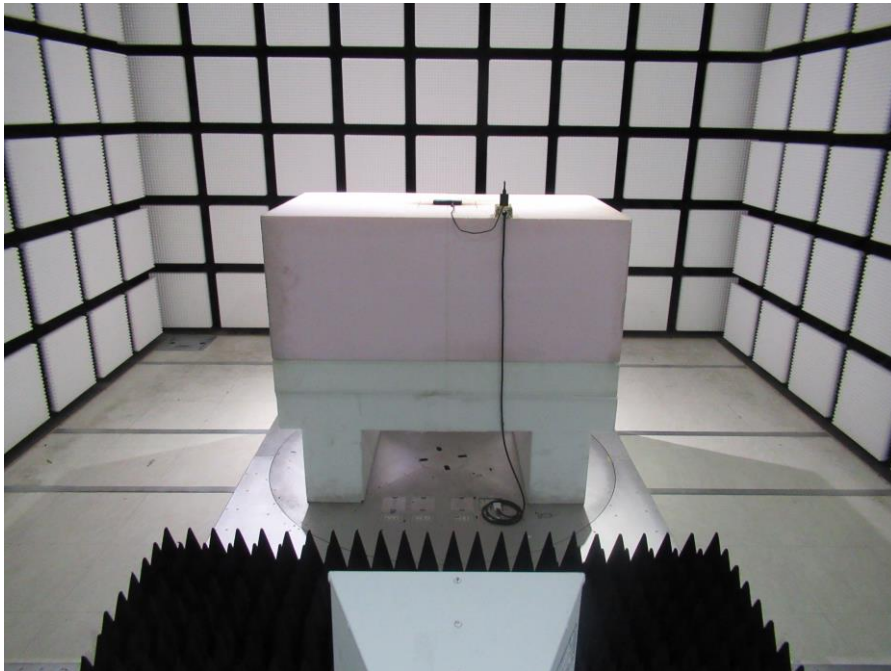
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X Plane

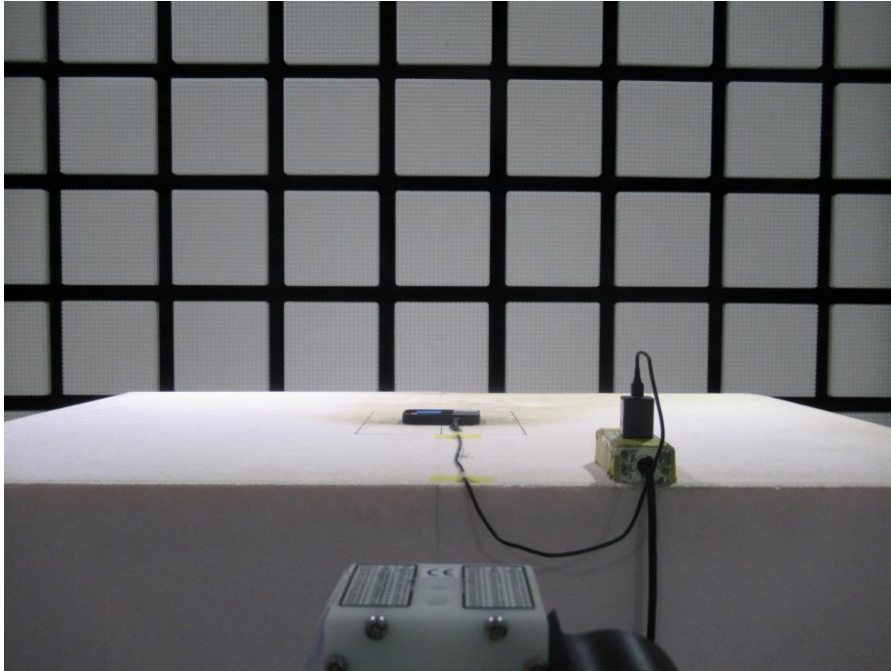
LF



HF



SHF



————THE END————