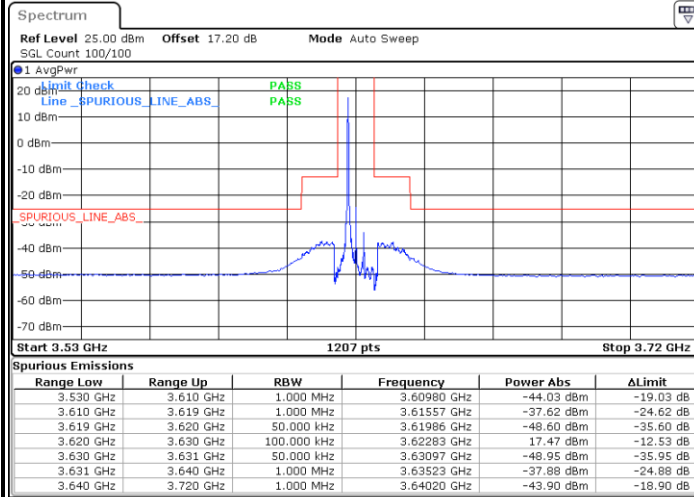




LTE Band 48 / 5MHz

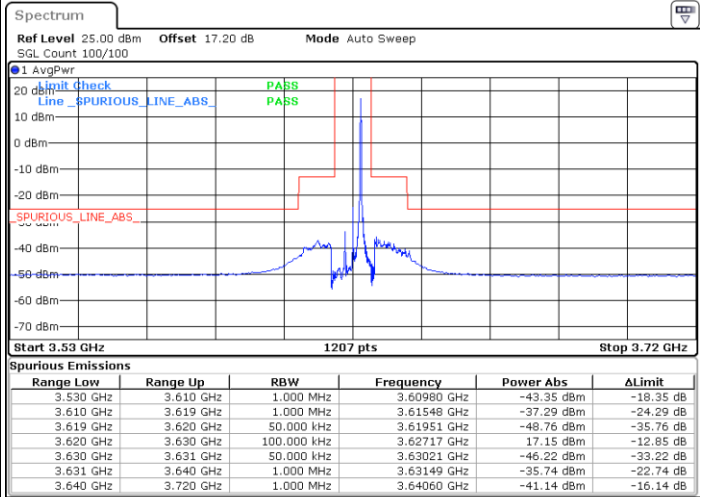
256QAM

Middle Channel / 1RB0



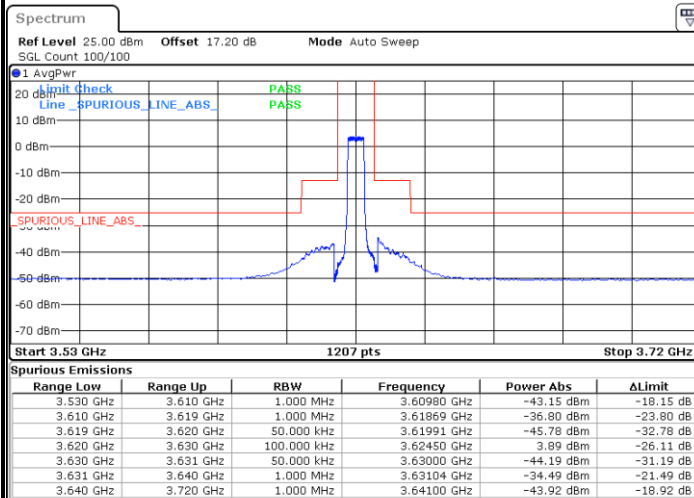
Date: 16.APR.2022 08:43:31

Middle Channel / 1RBmax



Date: 16.APR.2022 08:53:01

Middle Channel / FullRB



Date: 16.APR.2022 08:49:23

N/A

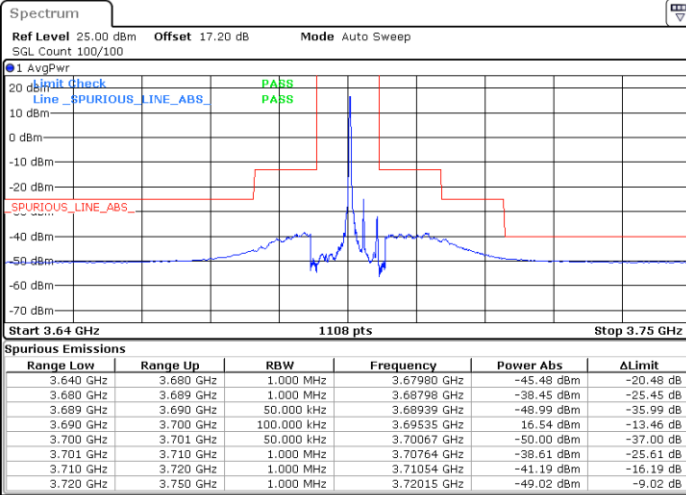


LTE Band 48 / 5MHz

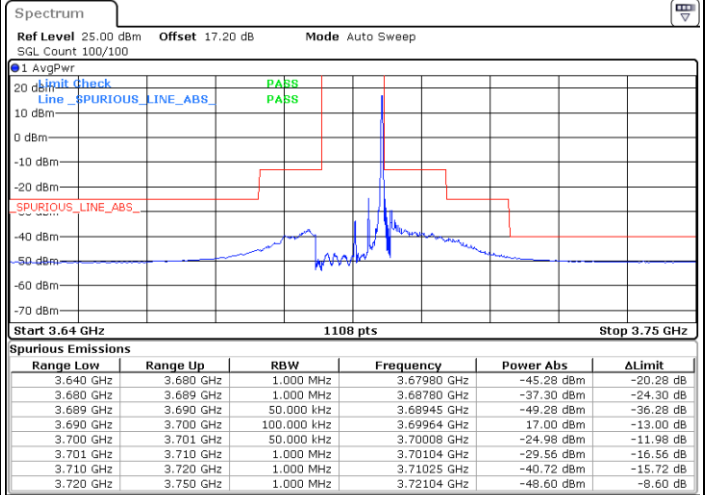
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



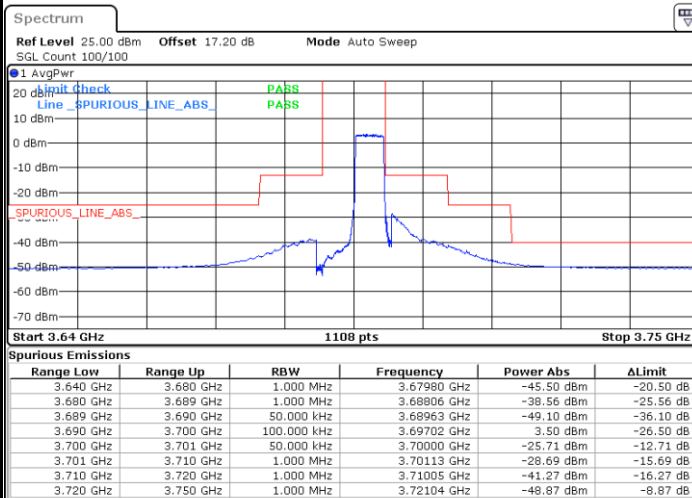
Date: 16.APR.2022 08:44:26



Date: 16.APR.2022 09:07:01

Highest Channel / FullIRB

N/A



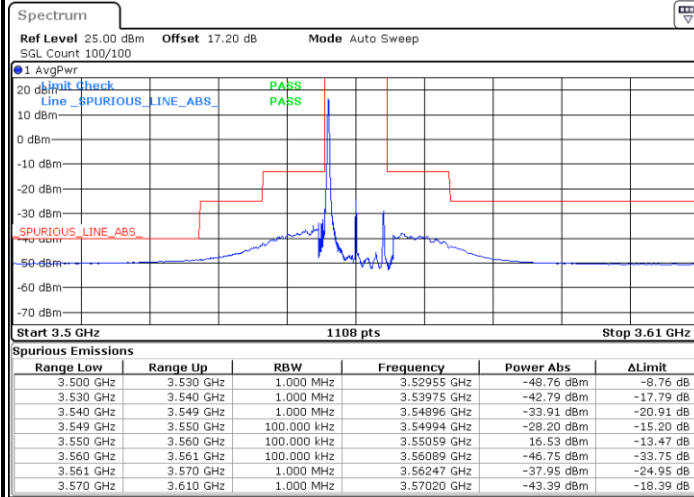
Date: 16.APR.2022 08:50:18



LTE Band 48 / 10MHz

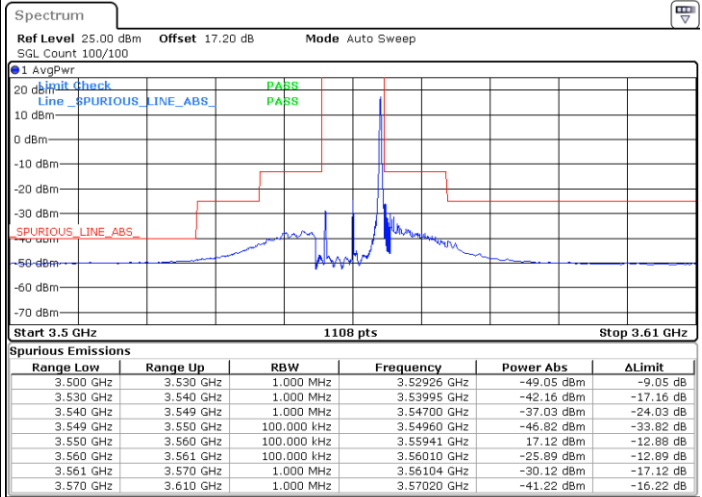
256QAM

Lowest Channel / 1RB0



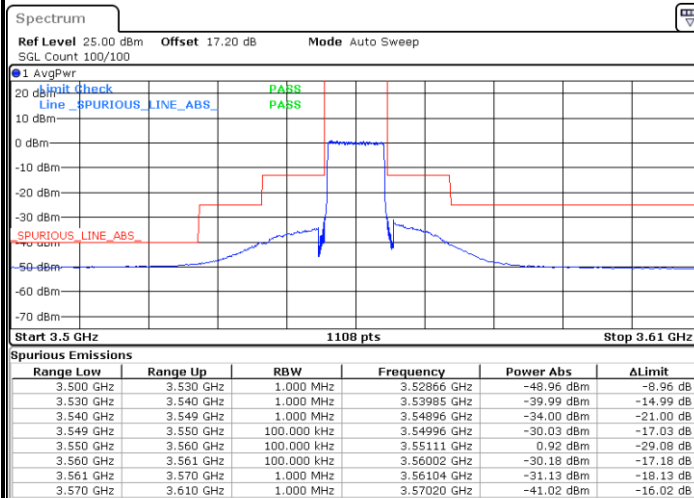
Date: 16.APR.2022 09:20:25

Lowest Channel / 1RBmax



Date: 16.APR.2022 09:28:32

Lowest Channel / FullIRB



Date: 18.APR.2022 21:21:14

N/A

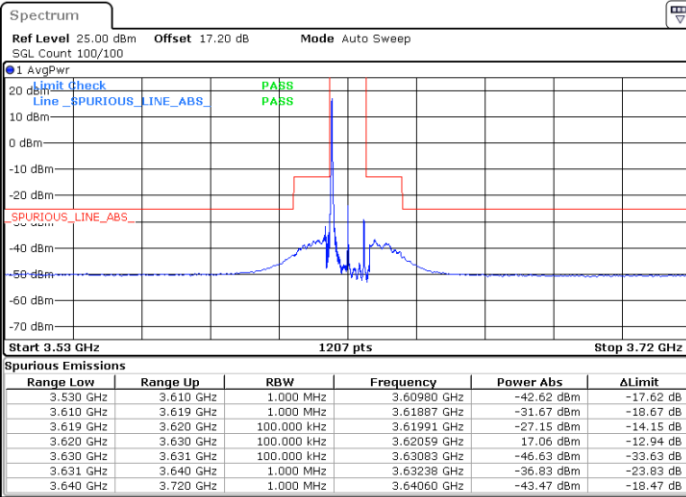


LTE Band 48 / 10MHz

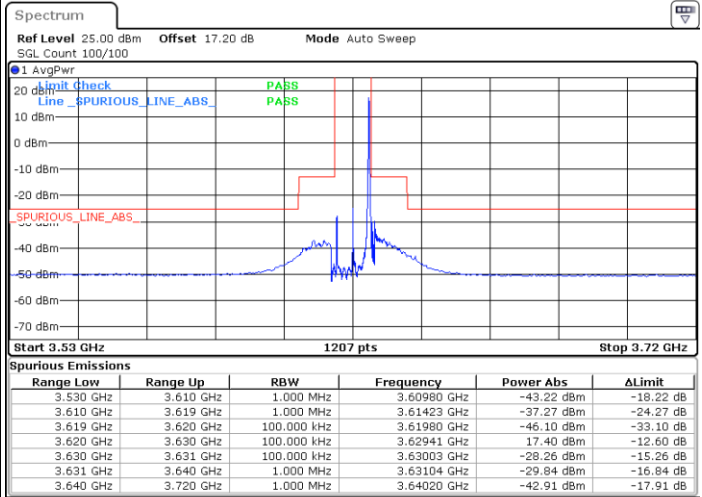
256QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



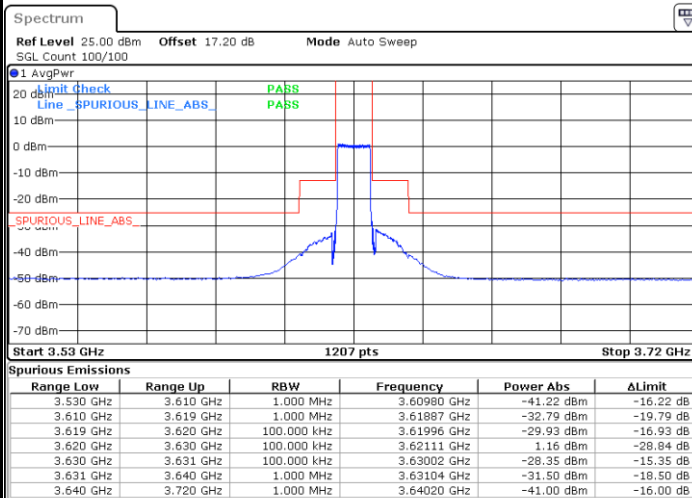
Date: 16.APR.2022 09:21:20



Date: 16.APR.2022 09:29:28

Middle Channel / FullRB

N/A



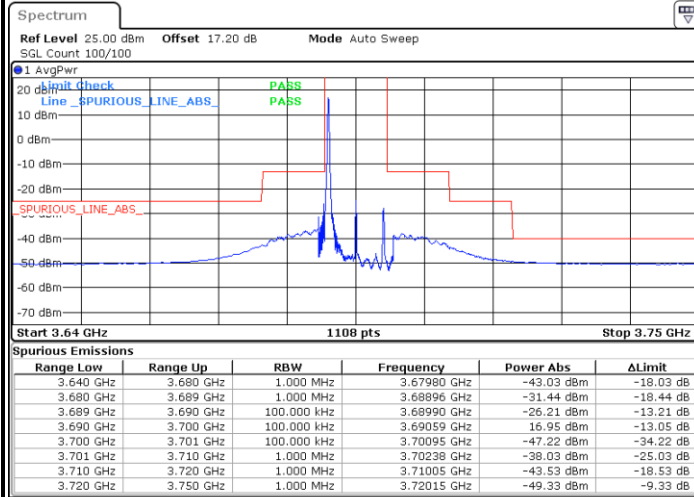
Date: 16.APR.2022 09:25:50



LTE Band 48 / 10MHz

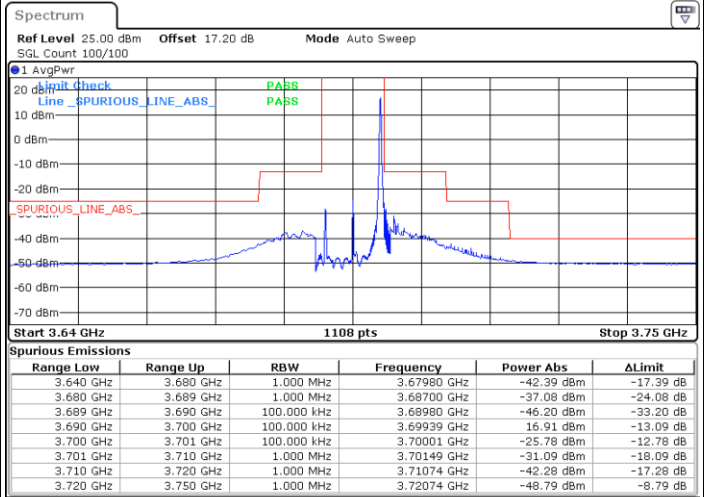
256QAM

Highest Channel / 1RB0



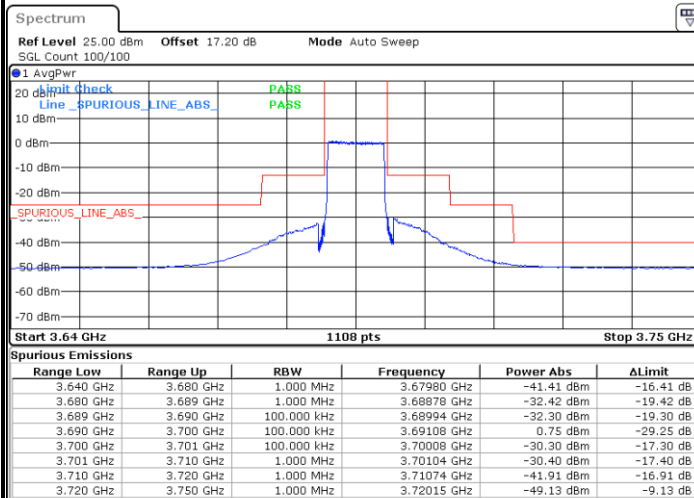
Date: 16.APR.2022 09:22:16

Highest Channel / 1RBmax



Date: 16.APR.2022 09:41:38

Highest Channel / FullIRB



Date: 16.APR.2022 09:26:45

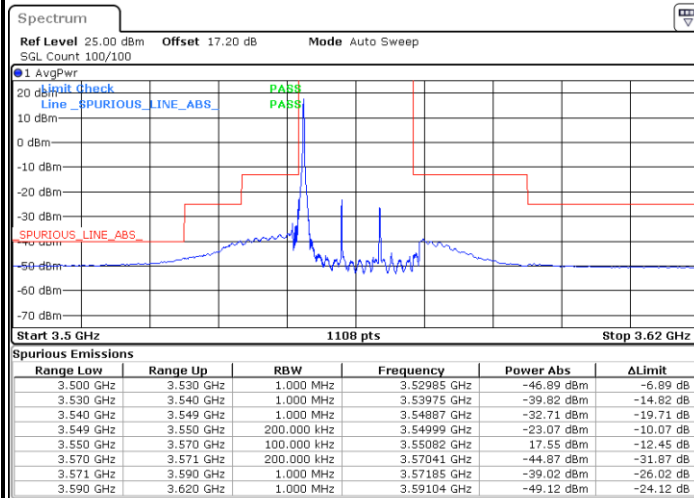
N/A



LTE Band 48 / 15MHz

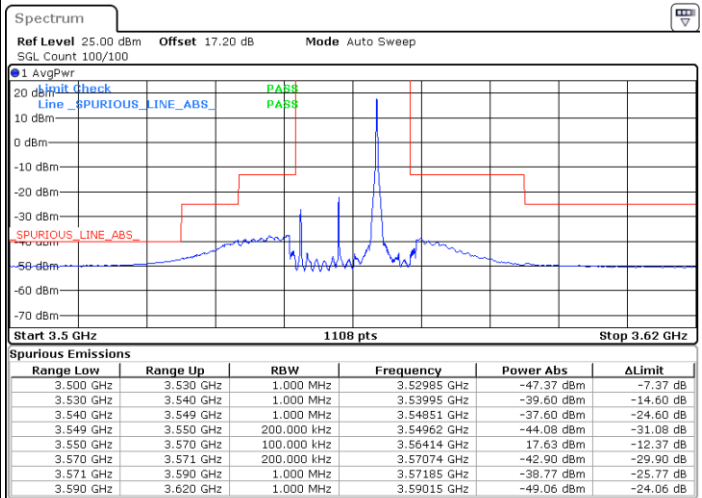
256QAM

Lowest Channel / 1RB0



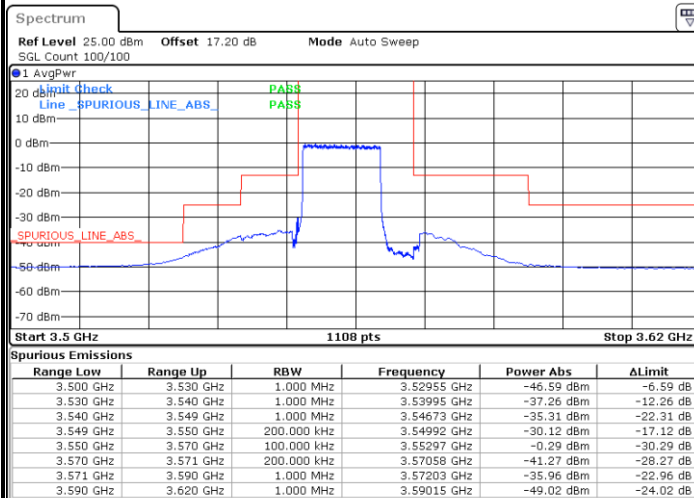
Date: 16.APR.2022 09:56:48

Lowest Channel / 1RBmax



Date: 16.APR.2022 10:22:58

Lowest Channel / FullIRB



Date: 16.APR.2022 10:07:18

N/A

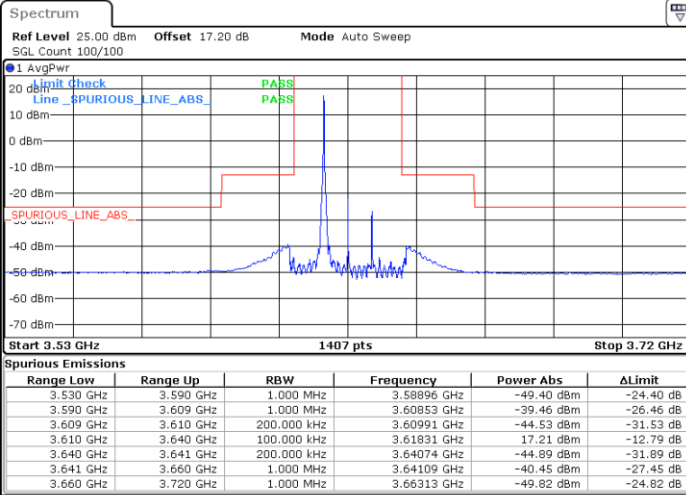


LTE Band 48 / 15MHz

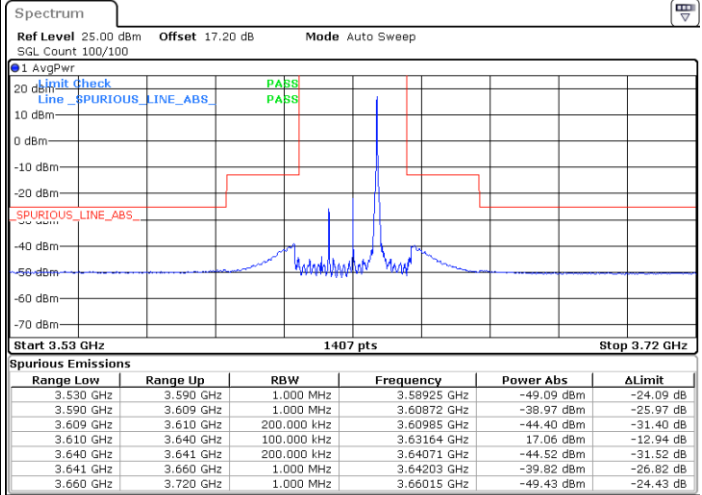
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



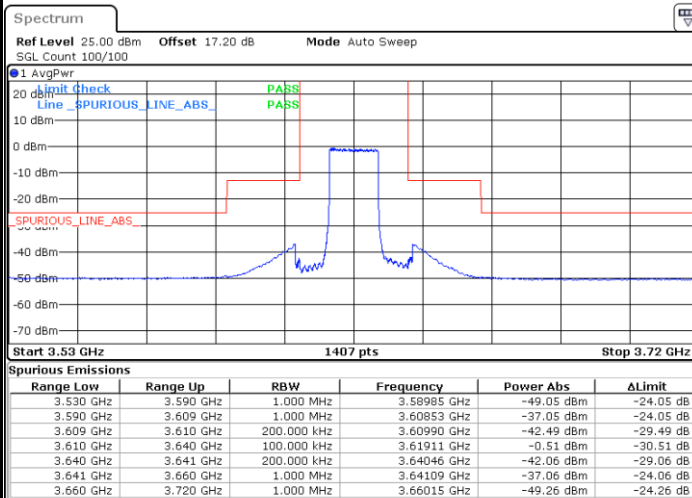
Date: 16.APR.2022 09:57:43



Date: 16.APR.2022 10:29:09

Middle Channel / FullRB

N/A



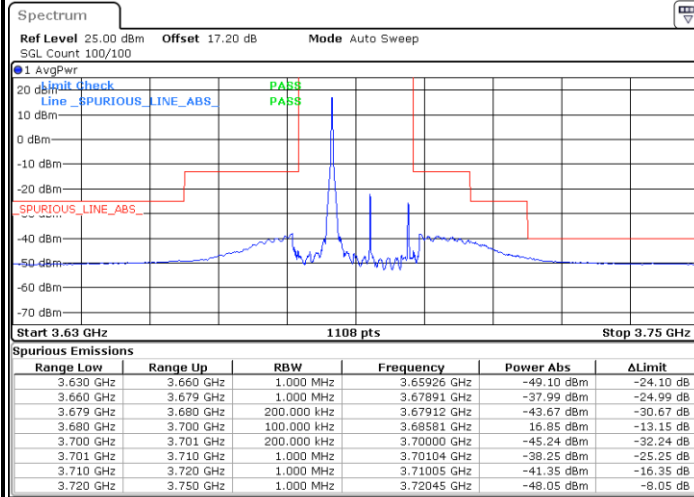
Date: 16.APR.2022 10:21:07



LTE Band 48 / 15MHz

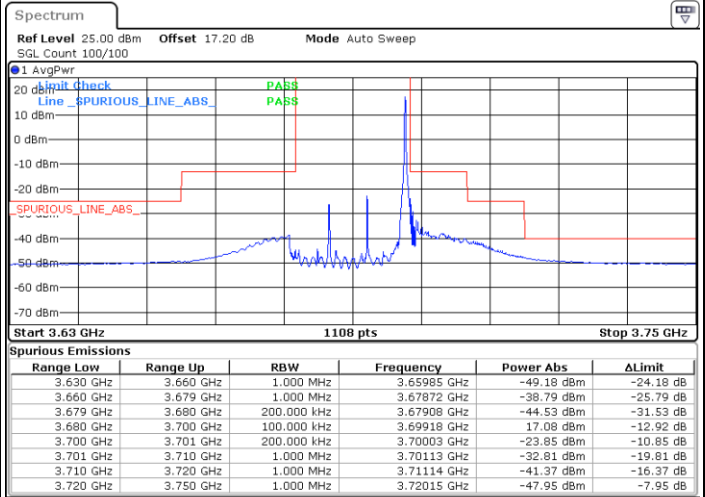
256QAM

Highest Channel / 1RB0



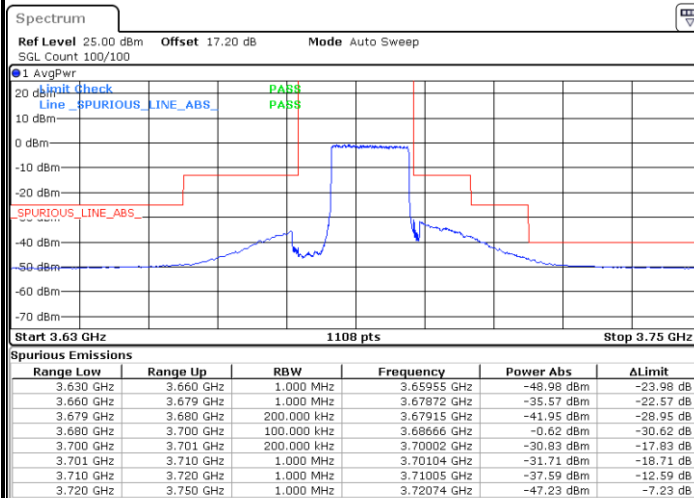
Date: 16.APR.2022 10:06:19

Highest Channel / 1RBmax



Date: 16.APR.2022 10:30:05

Highest Channel / FullIRB



Date: 16.APR.2022 10:22:02

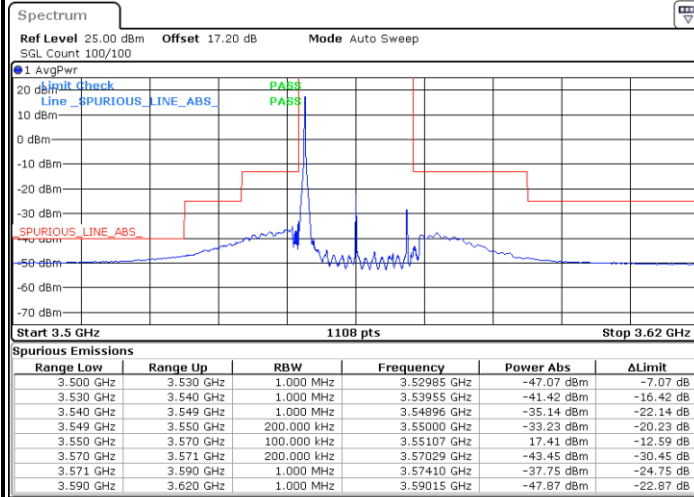
N/A



LTE Band 48 / 20MHz

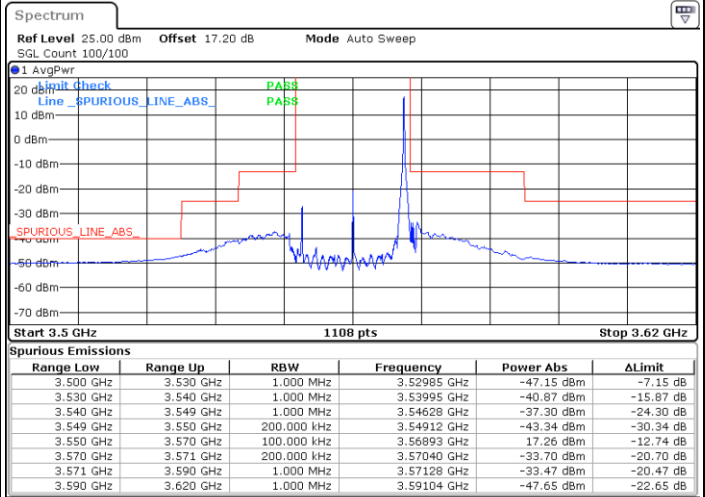
256QAM

Lowest Channel / 1RB0



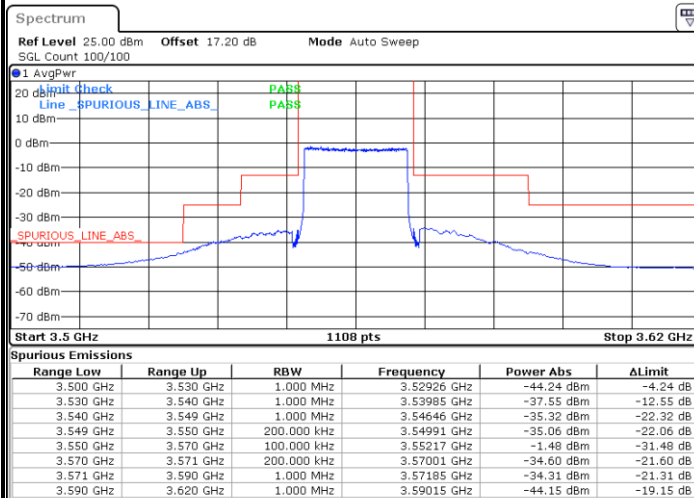
Date: 16.APR.2022 10:44:38

Lowest Channel / 1RBmax



Date: 16.APR.2022 10:50:28

Lowest Channel / FullIRB



Date: 16.APR.2022 10:31:53

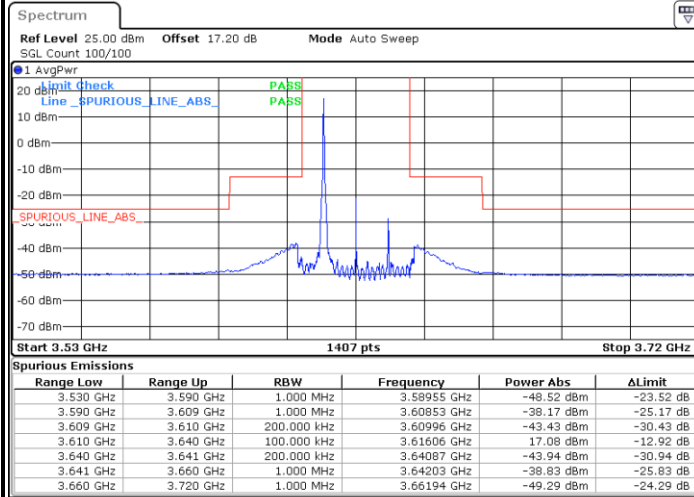
N/A



LTE Band 48 / 20MHz

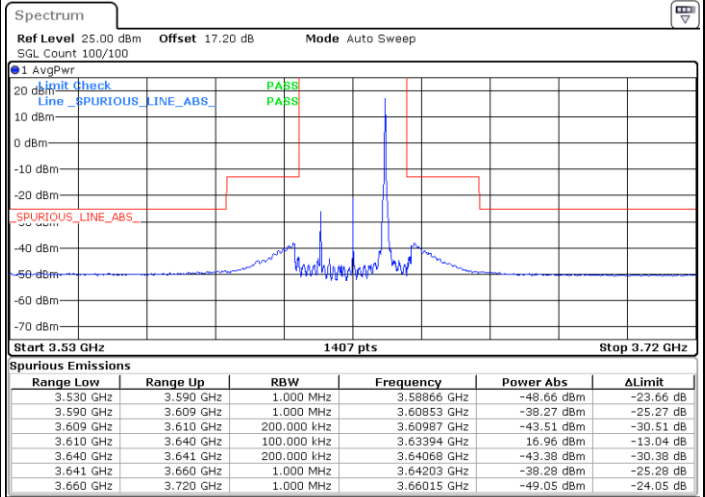
256QAM

Middle Channel / 1RB0



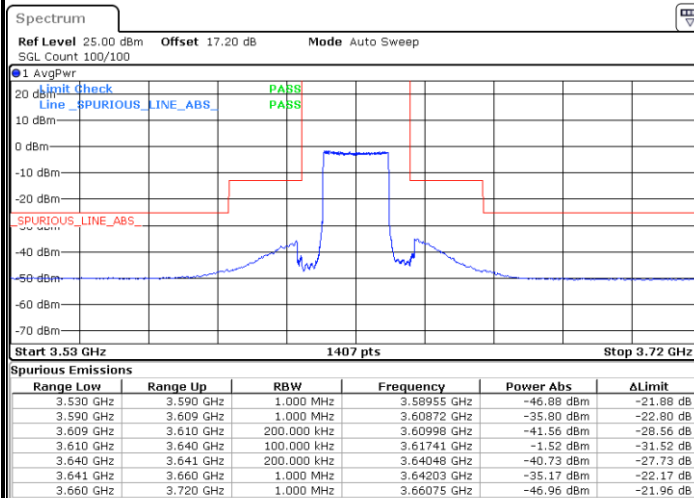
Date: 16.APR.2022 10:45:33

Middle Channel / 1RBmax



Date: 16.APR.2022 10:51:23

Middle Channel / FullRB



Date: 16.APR.2022 10:32:48

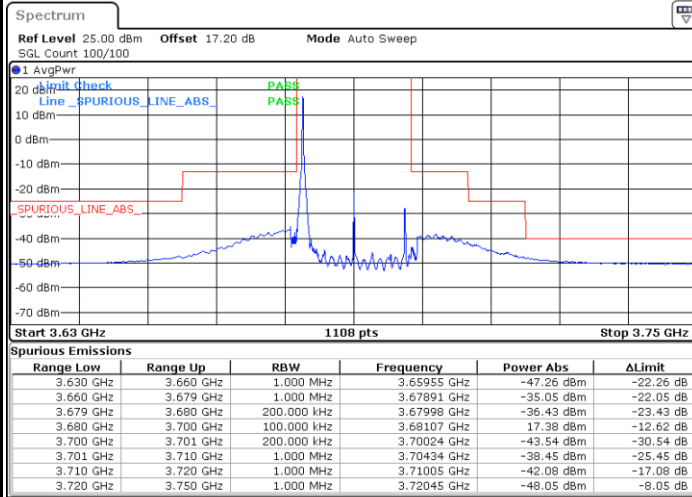
N/A



LTE Band 48 / 20MHz

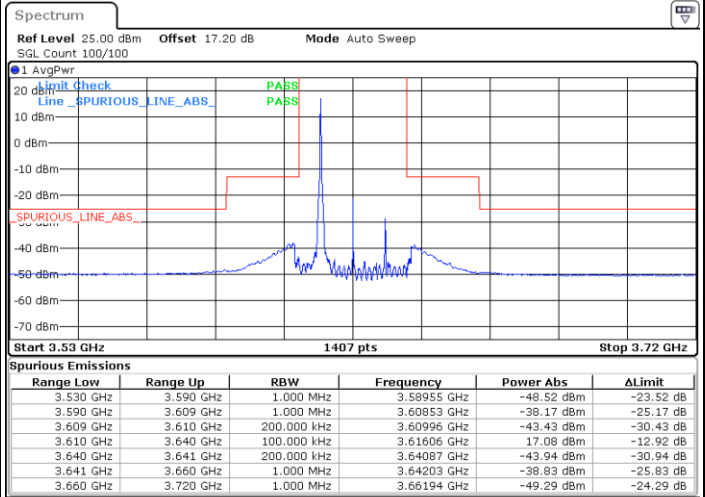
256QAM

Highest Channel / 1RB0



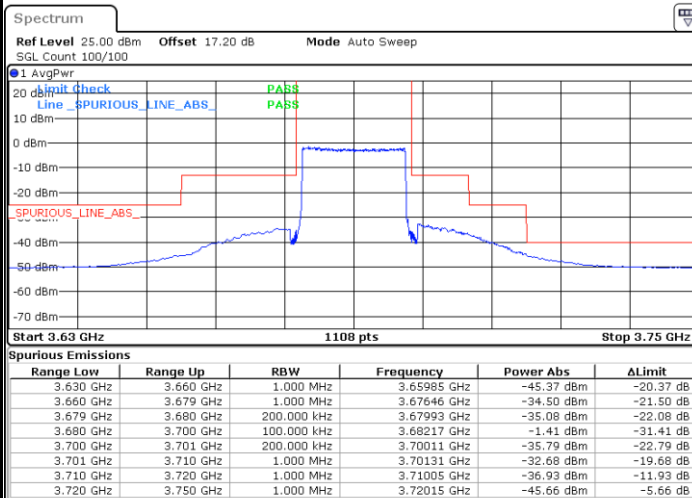
Date: 16.APR.2022 10:46:28

Highest Channel / 1RBmax



Date: 16.APR.2022 10:45:33

Highest Channel / FullIRB



Date: 16.APR.2022 10:41:44

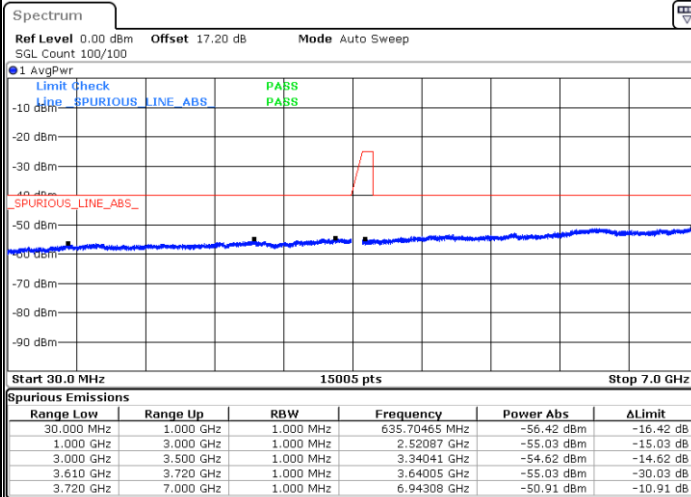
N/A



Conducted Spurious Emission

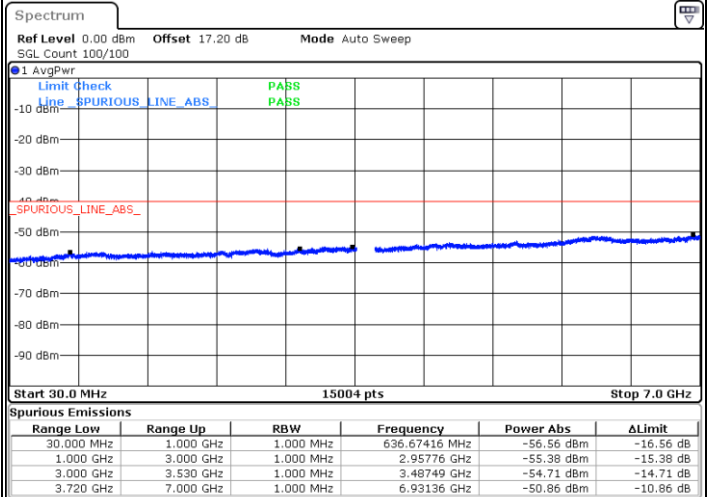
LTE Band 48 / 5MHz

Lowest Channel / QPSK



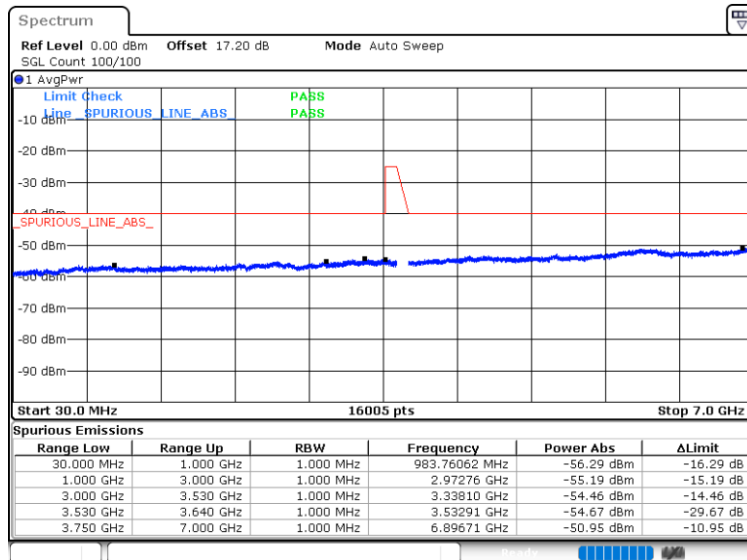
Date: 18.APR.2022 21:25:41

Middle Channel / QPSK



Date: 18.APR.2022 21:29:37

Highest Channel / QPSK

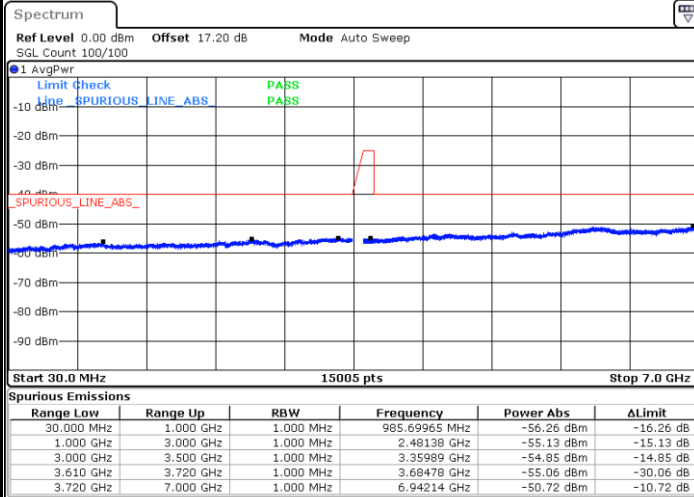


Date: 18.APR.2022 21:32:43



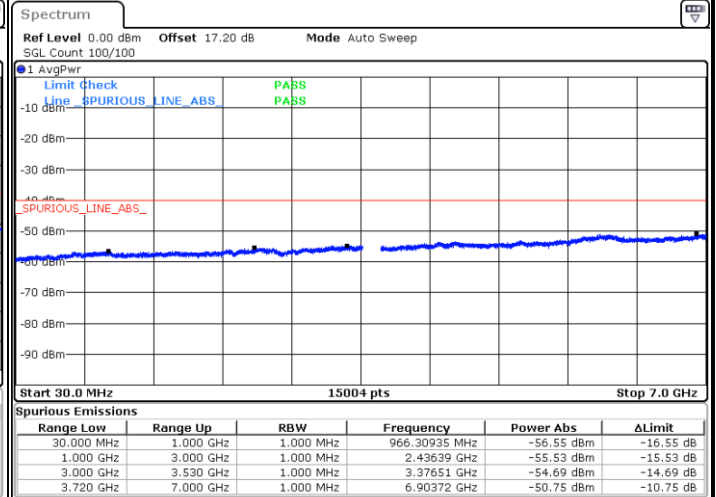
LTE Band 48 / 10MHz

Lowest Channel / QPSK



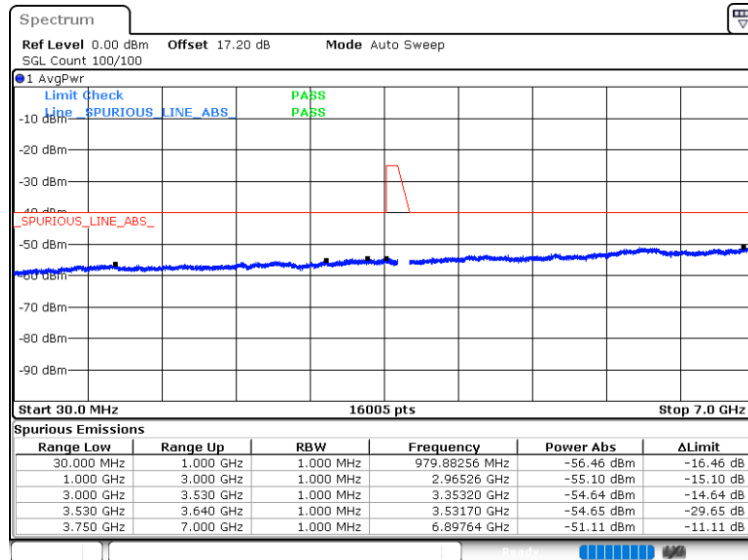
Date: 18.APR.2022 21:37:58

Middle Channel / QPSK



Date: 18.APR.2022 21:41:54

Highest Channel / QPSK

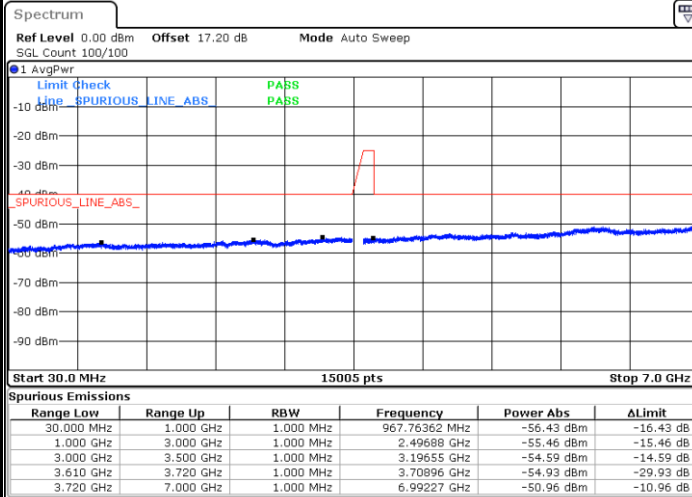


Date: 18.APR.2022 21:44:59



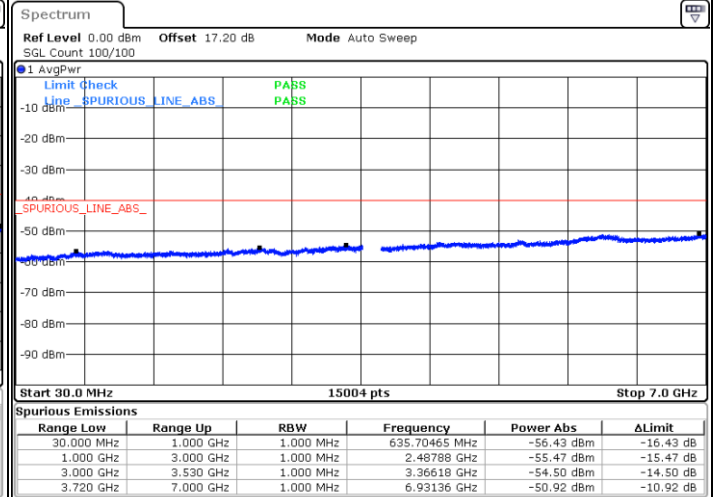
LTE Band 48 / 15MHz

Lowest Channel / QPSK



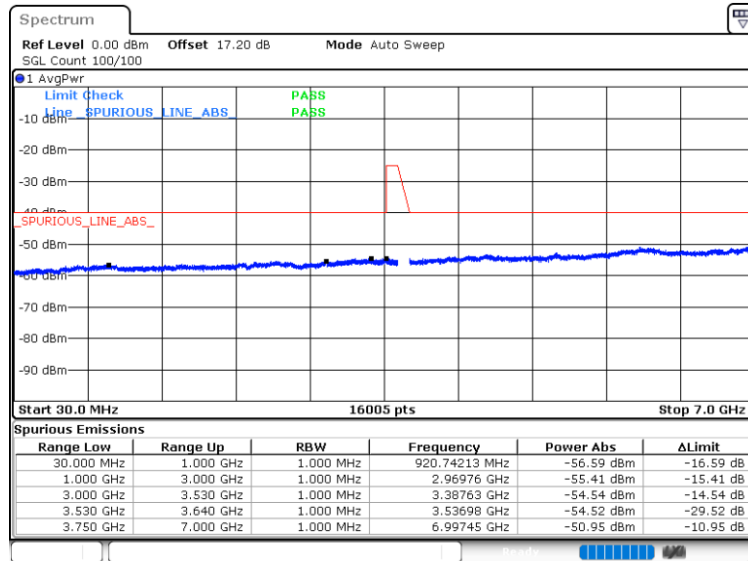
Date: 18.APR.2022 21:48:58

Middle Channel / QPSK



Date: 18.APR.2022 21:52:05

Highest Channel / QPSK

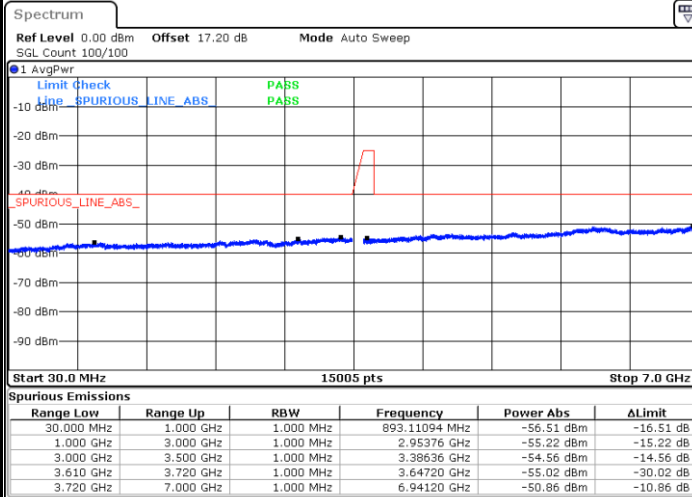


Date: 18.APR.2022 21:59:28



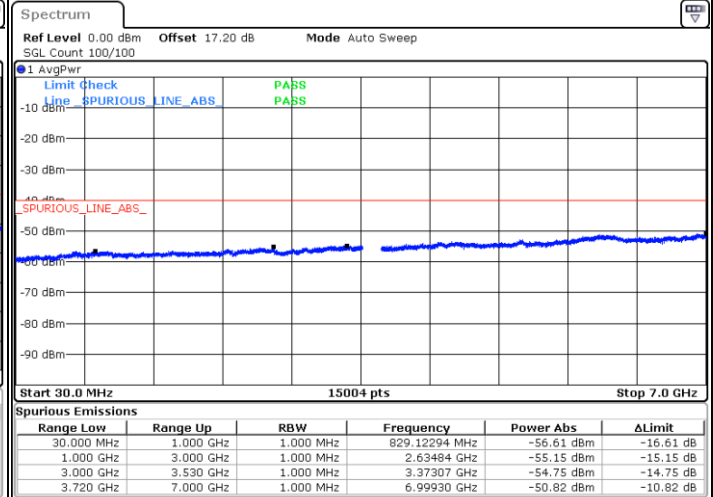
LTE Band 48 / 20MHz

Lowest Channel / QPSK



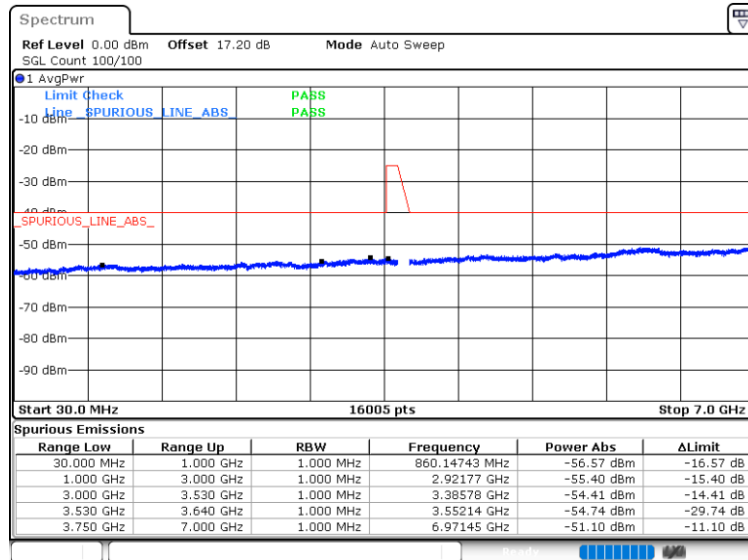
Date: 18.APR.2022 22:02:34

Middle Channel / QPSK



Date: 18.APR.2022 22:06:30

Highest Channel / QPSK



Date: 18.APR.2022 22:09:36

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	0.0016	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0030	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 3.86 V. ; Battery End Point (ACLRP) = 3.40 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Primary Antenna>

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	7102	-57.05	-40	-17.05	-55.18	-66.75	1.84	11.55	H
	10655	-48.12	-40	-8.12	-50.73	-56.59	2.23	10.71	H
	14205	-48.63	-40	-8.63	-57.36	-58.26	2.65	12.28	H
	21307	-62.67	-40	-22.67	-77.04	-77.52	3.32	18.17	H
	24859	-59.64	-40	-19.64	-77.92	-74.41	3.71	18.48	H
	28408	-56.25	-40	-16.25	-76.76	-71.72	3.99	19.46	H
									H
	7102	-57.21	-40	-17.21	-55.58	-66.91	1.84	11.55	V
	10653	-50.63	-40	-10.63	-52.83	-59.10	2.23	10.71	V
	14205	-49.06	-40	-9.06	-57.67	-58.69	2.65	12.28	V
	21307	-63.65	-40	-23.65	-77.71	-78.50	3.32	18.17	V
	24859	-59.00	-40	-19.00	-76.96	-73.77	3.71	18.48	V
	28408	-55.89	-40	-15.89	-75.98	-71.36	3.99	19.46	V
Middle	7230	-52.47	-40	-12.47	-50.94	-61.93	1.86	11.32	H
	10850	-47.74	-40	-7.74	-50.74	-56.12	2.22	10.59	H
	14462	-48.89	-40	-8.89	-57.86	-58.39	2.62	12.12	H
	18077	-60.16	-40	-20.16	-71.63	-74.53	3.23	17.60	H
	21696	-61.55	-40	-21.55	-76.71	-76.72	3.42	18.60	H
	25312	-59.63	-40	-19.63	-77.95	-74.63	3.77	18.77	H
									H
	7230	-56.32	-40	-16.32	-55.14	-65.78	1.86	11.32	V
	10850	-48.81	-40	-8.81	-51.58	-57.19	2.22	10.59	V
	14462	-48.72	-40	-8.72	-58.12	-58.22	2.62	12.12	V
	18077	-60.37	-40	-20.37	-71.55	-74.74	3.23	17.60	V
	21696	-62.20	-40	-22.20	-77.02	-77.37	3.42	18.60	V
	25312	-59.73	-40	-19.73	-77.77	-74.73	3.77	18.77	V



Highest	7360	-55.70	-40	-15.70	-54.48	-65.16	1.92	11.38	H
	11045	-44.97	-40	-4.97	-48.39	-53.31	2.22	10.55	H
	14724	-49.11	-40	-9.11	-58.2	-59.11	2.59	12.59	H
	18399	-62.15	-40	-22.15	-73.94	-76.51	3.24	17.60	H
	22086	-62.50	-40	-22.50	-78.07	-77.87	3.52	18.88	H
	25770	-58.88	-40	-18.88	-77.54	-74.05	3.88	19.05	H
									H
	7360	-55.05	-40	-15.05	-53.98	-64.51	1.92	11.38	V
	11045	-46.44	-40	-6.44	-49.79	-54.78	2.22	10.55	V
	14724	-48.06	-40	-8.06	-58.1	-58.06	2.59	12.59	V
	18399	-62.97	-40	-22.97	-74.52	-77.33	3.24	17.60	V
	22086	-62.97	-40	-22.97	-78.15	-78.34	3.52	18.88	V
	25770	-59.38	-40	-19.38	-77.75	-74.55	3.88	19.05	V
									V

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



<ASDIV Antenna>

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	7102	-57.59	-40	-17.59	-55.72	-67.29	1.84	11.55	H
	10655	-53.59	-40	-13.59	-56.2	-62.06	2.23	10.71	H
	14205	-49.21	-40	-9.21	-57.94	-58.84	2.65	12.28	H
	21307	-62.99	-40	-22.99	-77.36	-77.84	3.32	18.17	H
	24859	-59.31	-40	-19.31	-77.59	-74.08	3.71	18.48	H
	28408	-56.03	-40	-16.03	-76.54	-71.50	3.99	19.46	H
									H
	7102	-57.40	-40	-17.40	-55.77	-67.10	1.84	11.55	V
	10655	-54.18	-40	-14.18	-56.38	-62.65	2.23	10.71	V
	14205	-49.37	-40	-9.37	-57.98	-59.00	2.65	12.28	V
	21307	-63.33	-40	-23.33	-77.39	-78.18	3.32	18.17	V
	24857	-59.62	-40	-19.62	-77.58	-74.39	3.71	18.49	V
	28408	-56.33	-40	-16.33	-76.42	-71.80	3.99	19.46	V
									V
Middle	7230	-56.91	-40	-16.91	-55.38	-66.37	1.86	11.32	H
	10850	-52.76	-40	-12.76	-55.75	-61.13	2.22	10.59	H
	14462	-48.92	-40	-8.92	-57.89	-58.42	2.62	12.12	H
	18077	-60.46	-40	-20.46	-71.93	-74.83	3.23	17.60	H
	21696	-61.55	-40	-21.55	-76.71	-76.72	3.42	18.60	H
	25312	-59.54	-40	-19.54	-77.86	-74.54	3.77	18.77	H
									H
	7230	-56.94	-40	-16.94	-55.76	-66.40	1.86	11.32	V
	10850	-52.54	-40	-12.54	-55.31	-60.91	2.22	10.59	V
	14462	-48.77	-40	-8.77	-58.17	-58.27	2.62	12.12	V
	18077	-60.71	-40	-20.71	-71.89	-75.08	3.23	17.60	V
	21696	-62.06	-40	-22.06	-76.88	-77.23	3.42	18.60	V
	25312	-59.78	-40	-19.78	-77.82	-74.78	3.77	18.77	V
									V



Highest	7360	-56.11	-40	-16.11	-54.89	-65.57	1.92	11.38	H
	11045	-52.89	-40	-12.89	-56.31	-61.23	2.22	10.55	H
	14724	-49.08	-40	-9.08	-58.17	-59.08	2.59	12.59	H
	18399	-63.16	-40	-23.16	-74.95	-77.52	3.24	17.60	H
	22086	-62.49	-40	-22.49	-78.06	-77.86	3.52	18.88	H
	25770	-59.22	-40	-19.22	-77.88	-74.39	3.88	19.05	H
									H
	7360	-55.50	-40	-15.50	-54.43	-64.96	1.92	11.38	V
	11045	-53.00	-40	-13.00	-56.35	-61.34	2.22	10.55	V
	14724	-48.00	-40	-8.00	-58.04	-58.00	2.59	12.59	V
	18399	-63.31	-40	-23.31	-74.86	-77.67	3.24	17.60	V
	22086	-63.13	-40	-23.13	-78.31	-78.50	3.52	18.88	V
	25770	-59.30	-40	-19.30	-77.67	-74.47	3.88	19.05	V
									V

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

————THE END————