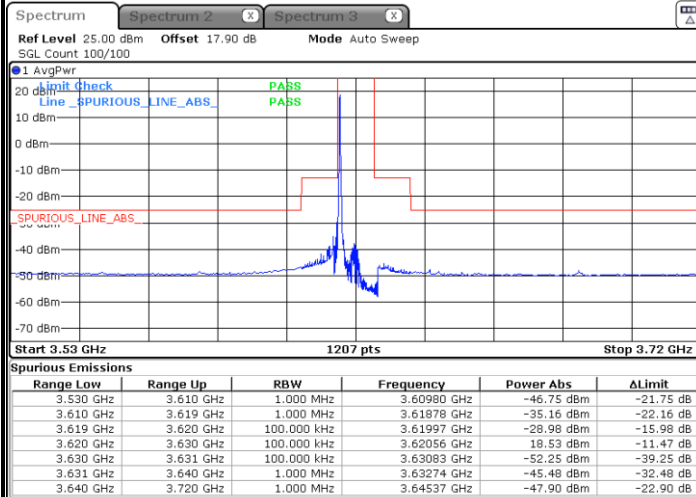




LTE Band 48 / 10MHz

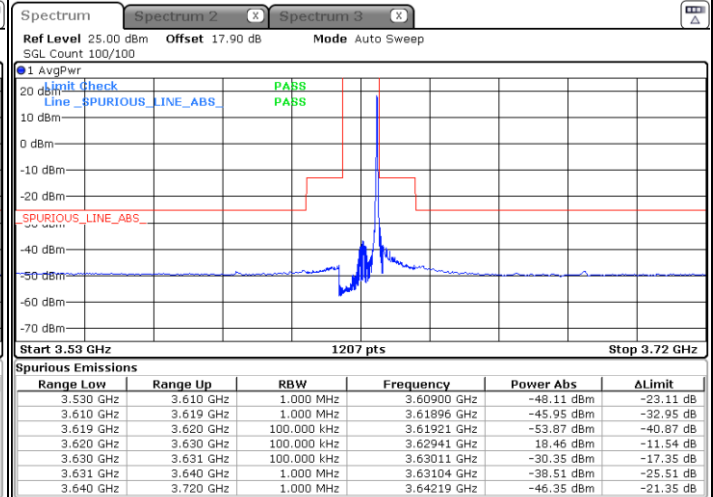
64QAM

MiddleChannel / 1RB0



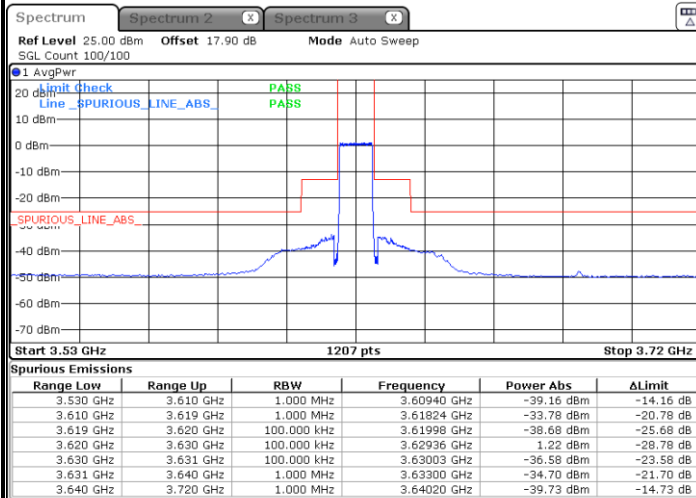
Date: 19 JUN 2021 11:51:34

Middle Channel / 1RBmax



Date: 19 JUN 2021 12:03:33

Middle Channel / FullRB



Date: 19 JUN 2021 11:57:34

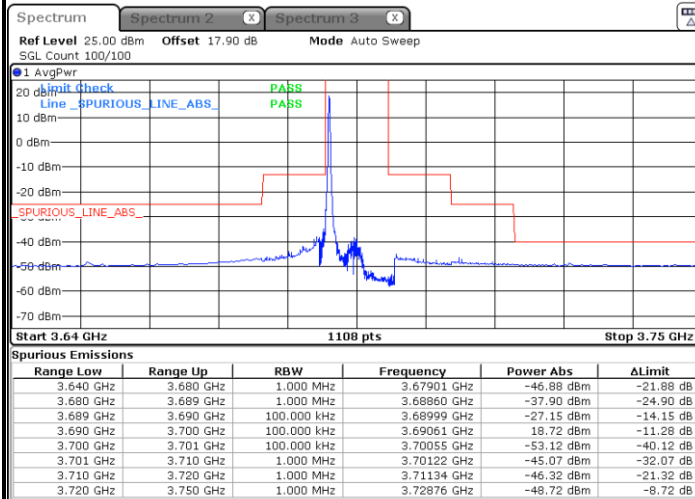
N/A



LTE Band 48 / 10MHz

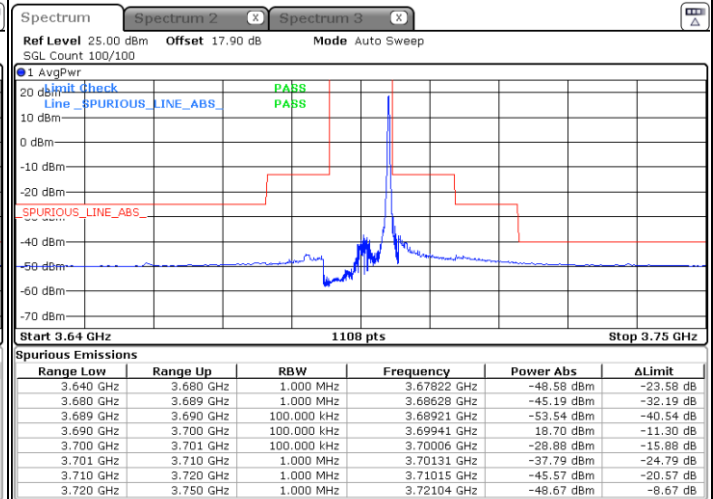
64QAM

Highest Channel / 1RB0



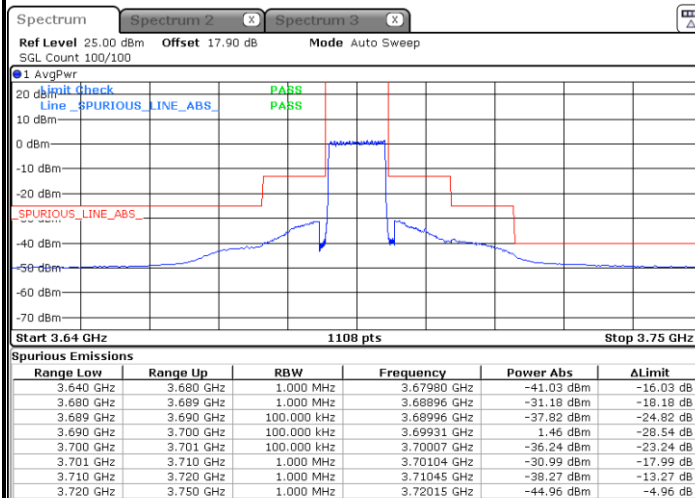
Date: 19 JUN 2021 11:52:14

Highest Channel / 1RBmax



Date: 19 JUN 2021 12:04:13

Highest Channel / FullIRB



Date: 19 JUN 2021 11:58:13

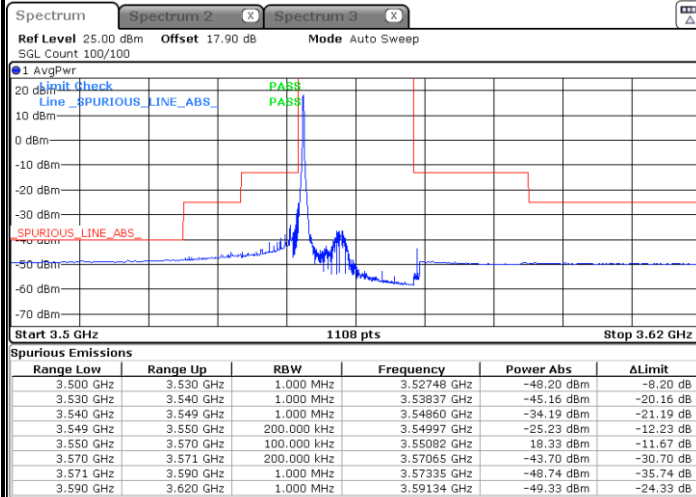
N/A



LTE Band 48 / 15MHz

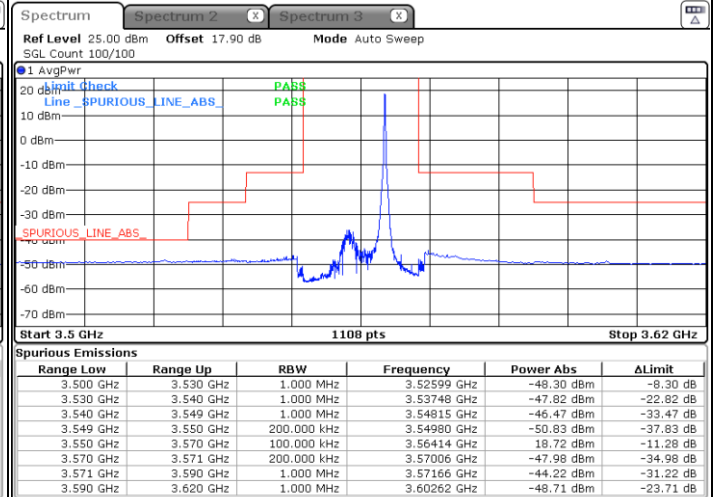
64QAM

Lowest Channel / 1RB0



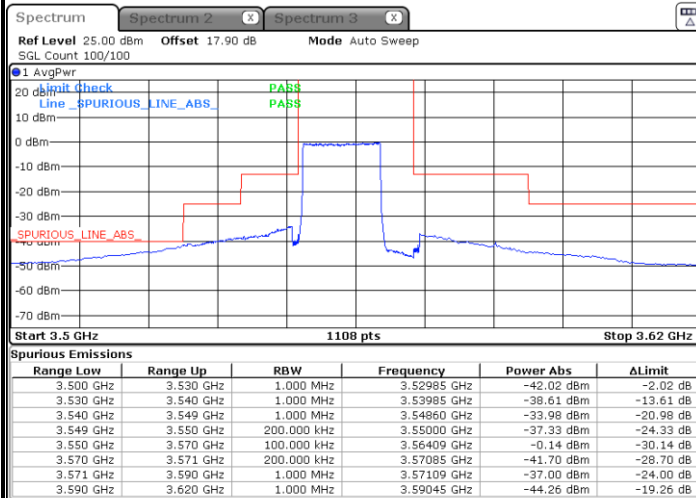
Date: 19 JUN 2021 12:07:34

Lowest Channel / 1RBmax



Date: 19 JUN 2021 12:19:34

Lowest Channel / FullIRB



Date: 19 JUN 2021 12:13:34

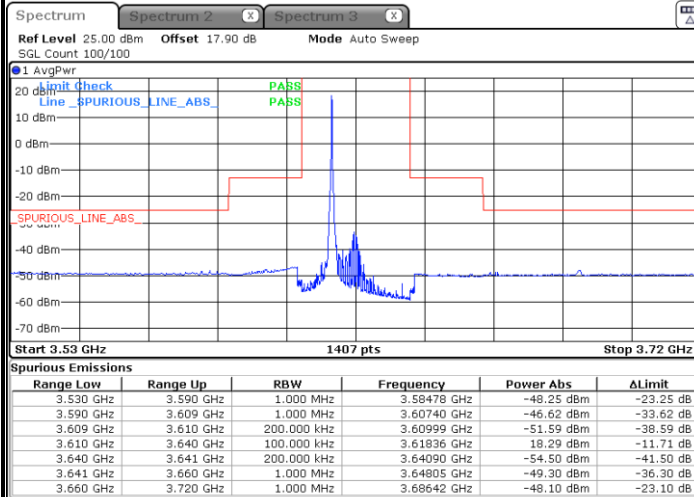
N/A



LTE Band 48 / 15MHz

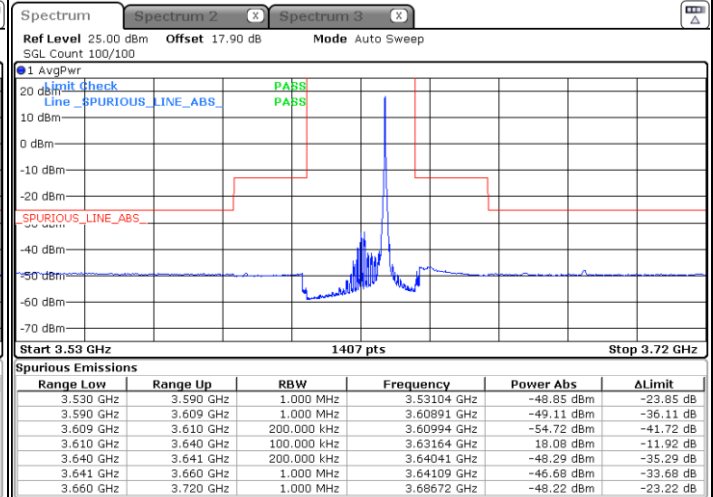
64QAM

Middle Channel / 1RB0



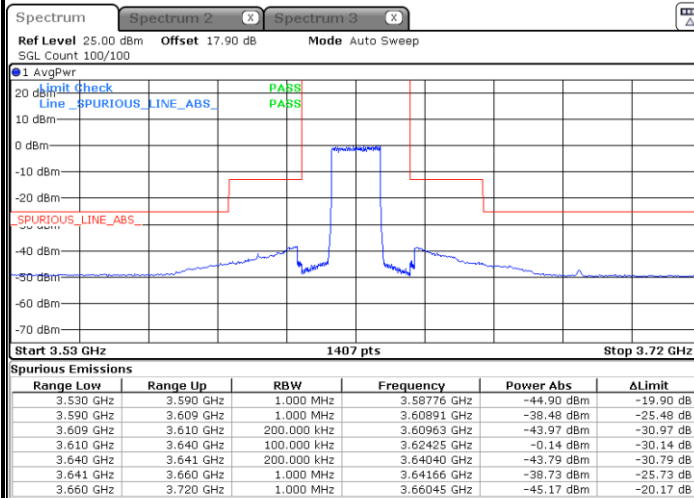
Date: 19 JUN 2021 12:08:14

Middle Channel / 1RBmax



Date: 19 JUN 2021 12:20:14

Middle Channel / FullRB



Date: 19 JUN 2021 12:14:14

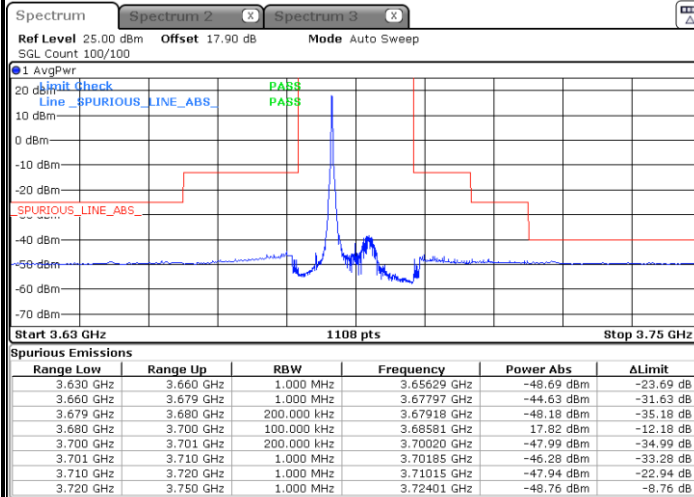
N/A



LTE Band 48 / 15MHz

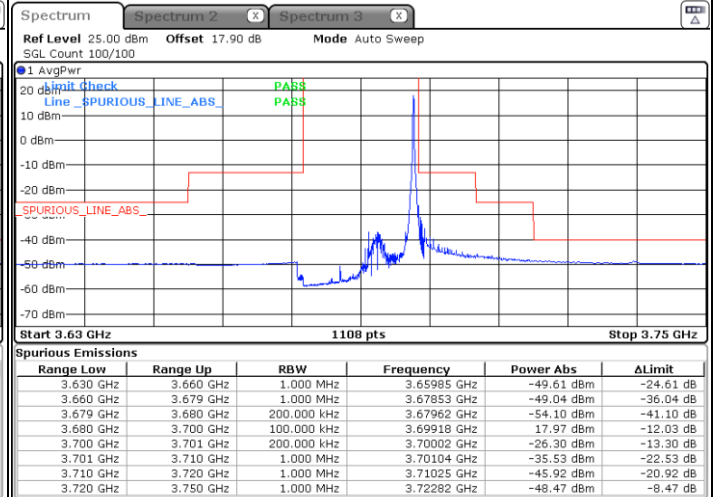
64QAM

Highest Channel / 1RB0



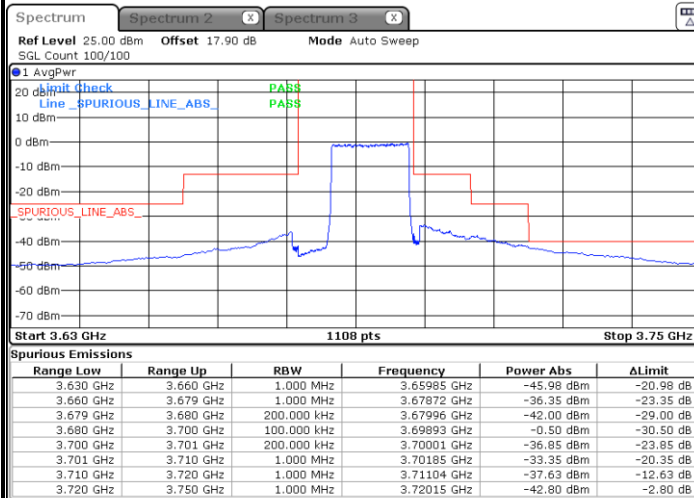
Date: 19 JUN 2021 12:11:33

Highest Channel / 1RBmax



Date: 19 JUN 2021 12:23:34

Highest Channel / FullIRB



Date: 19 JUN 2021 12:17:33

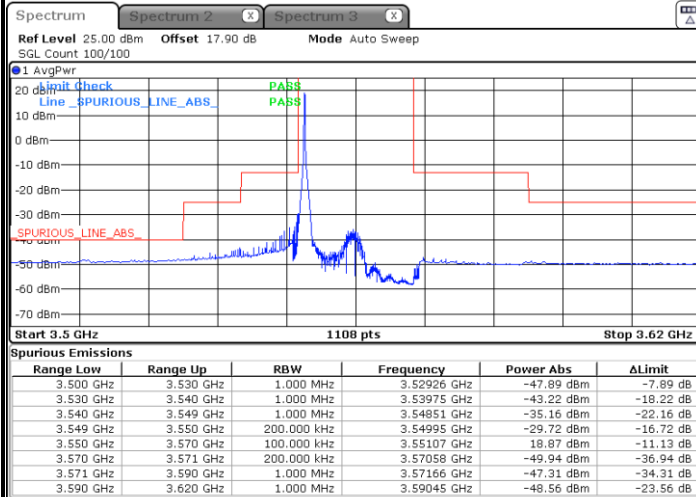
N/A



LTE Band 48 / 20MHz

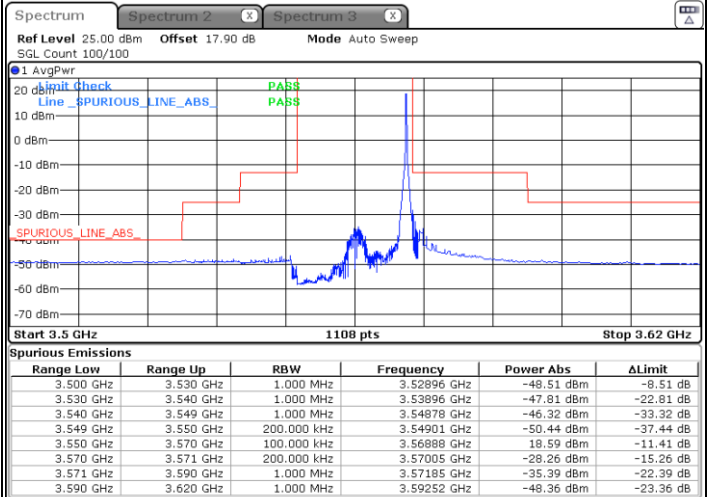
64QAM

Lowest Channel / 1RB0



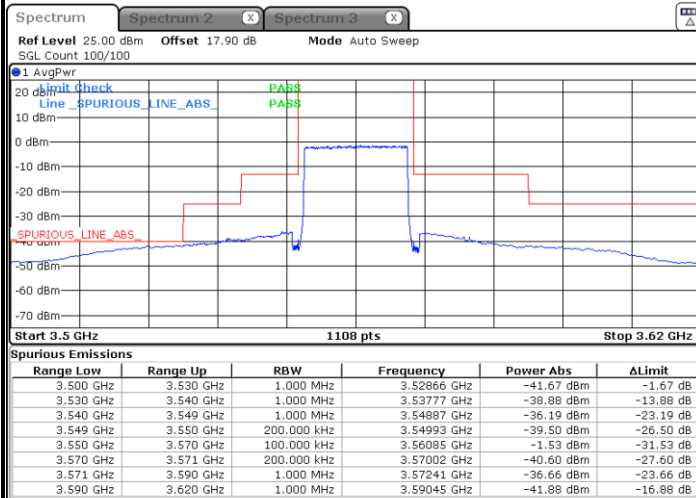
Date: 19 JUN 2021 12:30:16

Lowest Channel / 1RBmax



Date: 19 JUN 2021 12:36:17

Lowest Channel / FullRB



Date: 19 JUN 2021 12:24:15

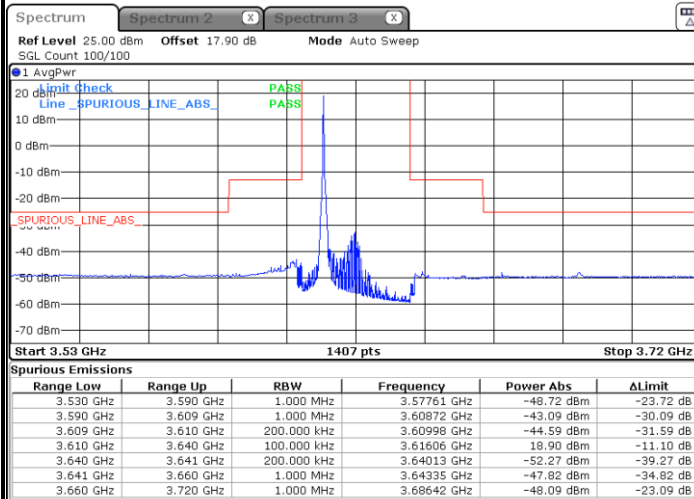
N/A



LTE Band 48 / 20MHz

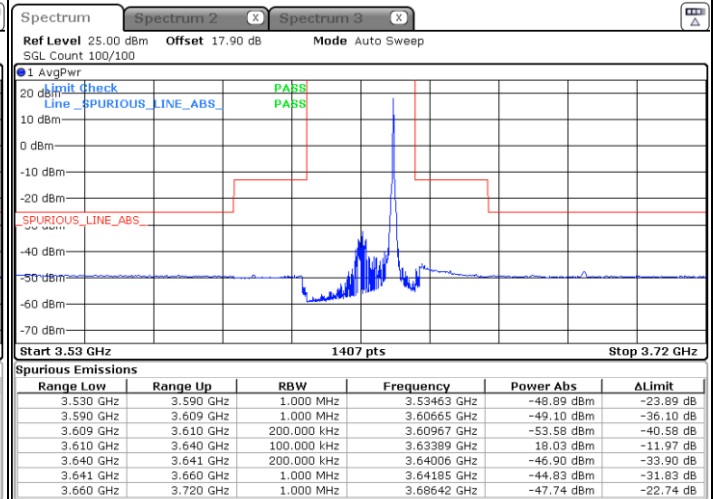
64QAM

Middle Channel / 1RB0



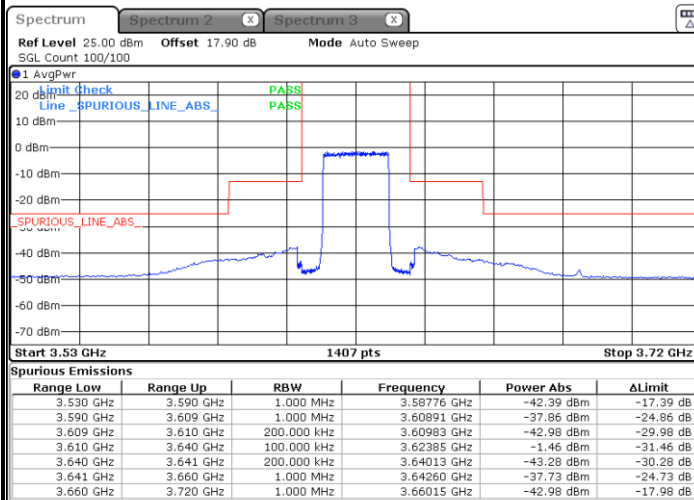
Date: 19 JUN 2021 12:33:36

Middle Channel / 1RBmax



Date: 19 JUN 2021 12:39:38

Middle Channel / FullRB



Date: 19 JUN 2021 12:27:35

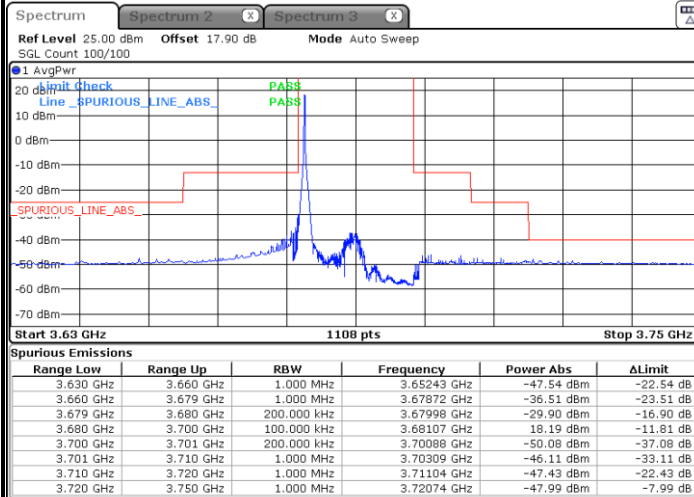
N/A



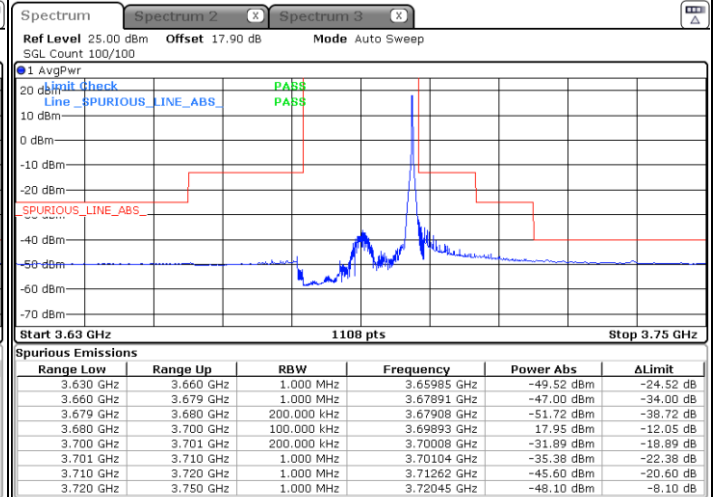
LTE Band 48 / 20MHz

64QAM

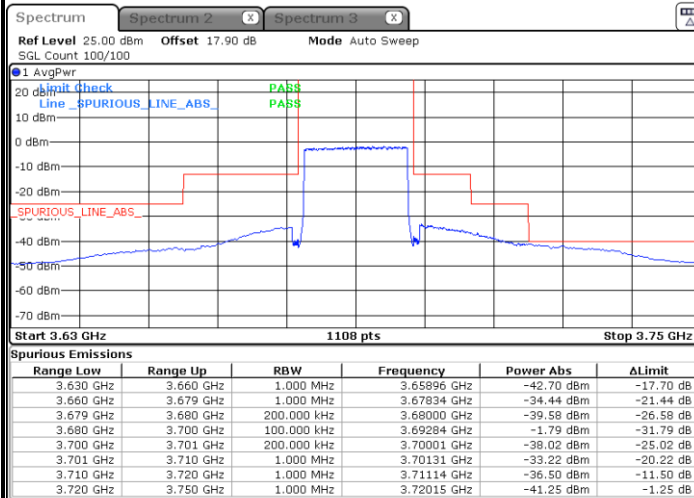
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullIRB



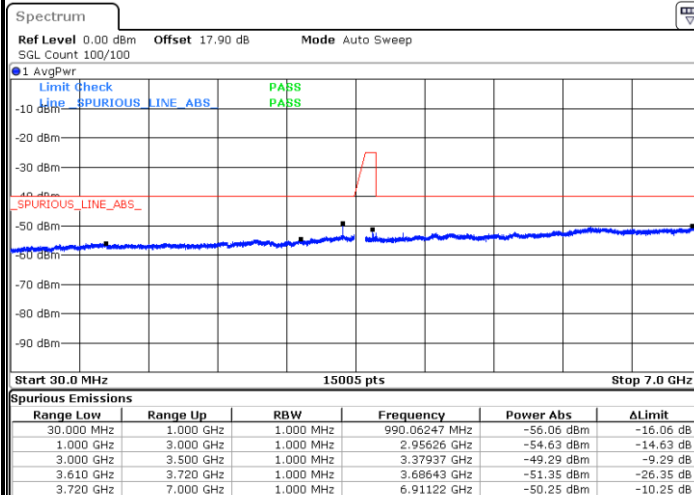
N/A



Conducted Spurious Emission

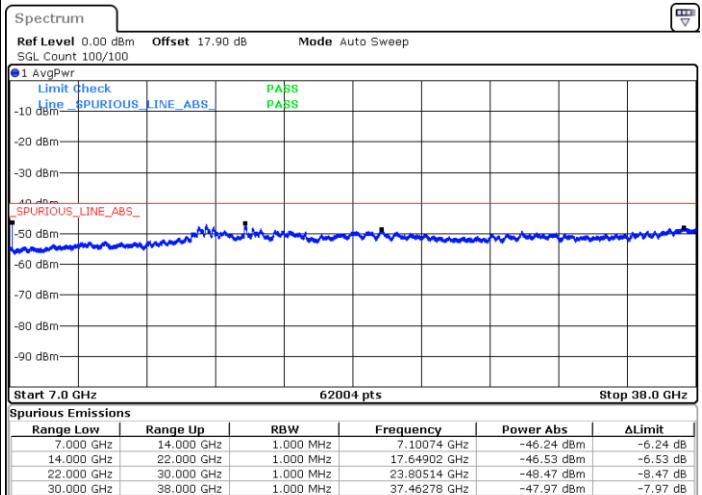
LTE Band 48 / 5MHz

Lowest Channel / QPSK



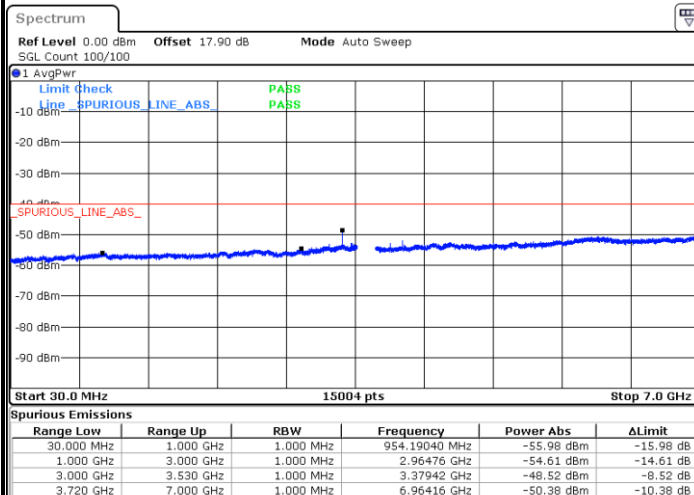
Date: 22.JUN.2021 17:15:32

Lowest Channel / QPSK



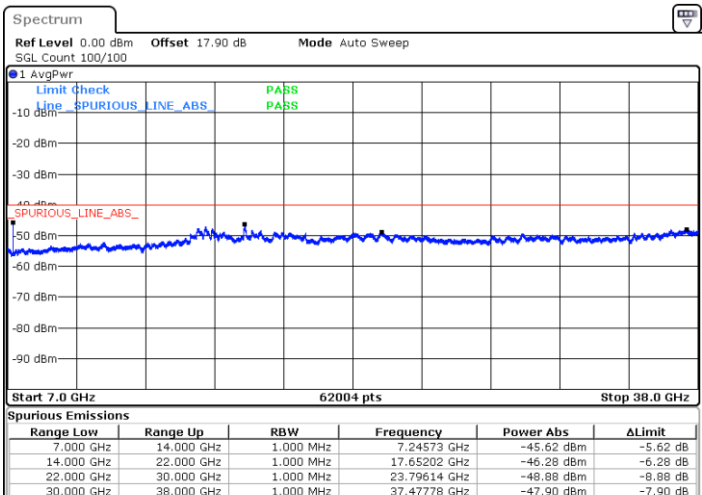
Date: 13.JUL.2021 09:10:05

Middle Channel / QPSK



Date: 22.JUN.2021 17:16:25

Middle Channel / QPSK

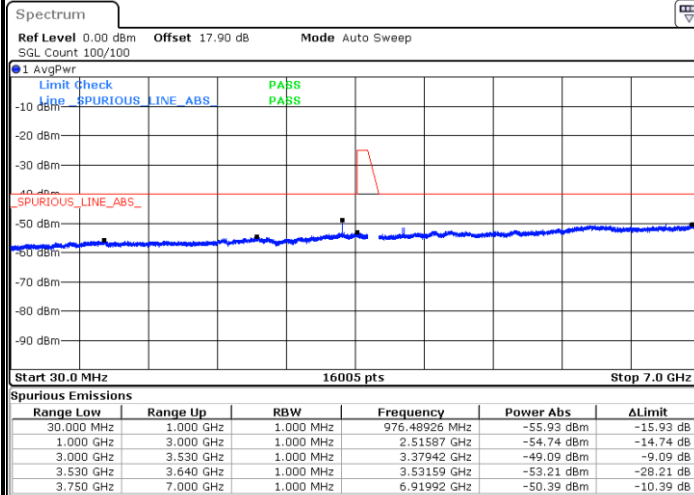


Date: 13.JUL.2021 09:11:45



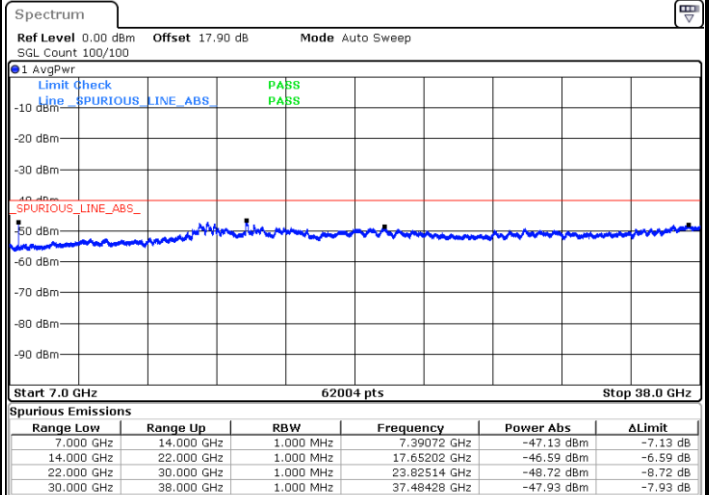
LTE Band 48 / 5MHz

Highest Channel / QPSK



Date: 22.JUN.2021 17:17:14

Highest Channel / QPSK

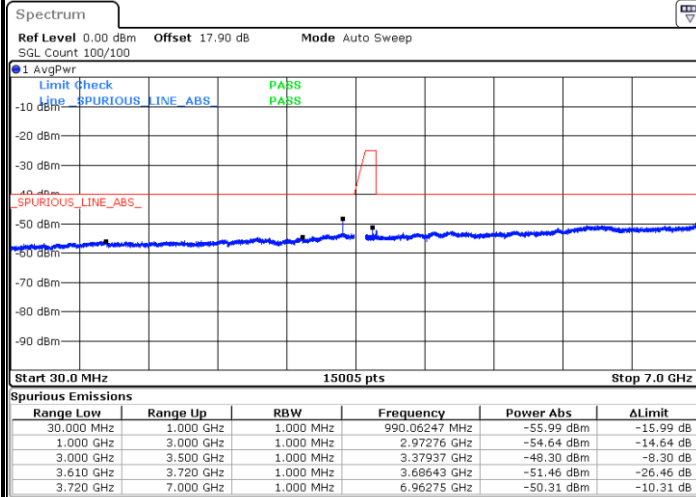


Date: 13.JUL.2021 09:13:26



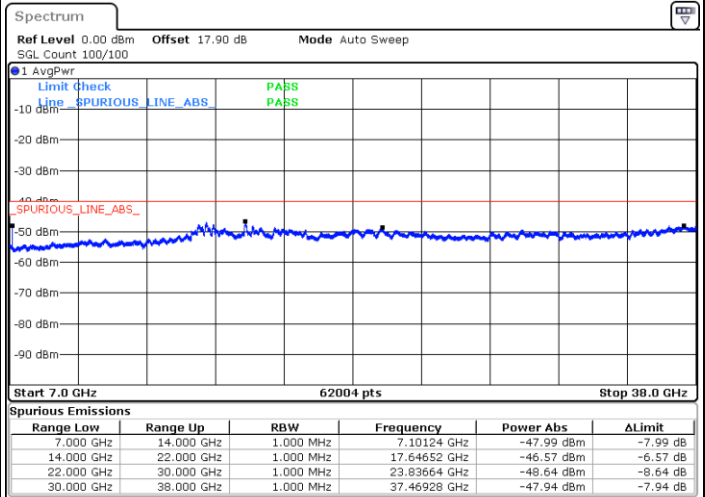
LTE Band 48 / 10MHz

Lowest Channel / QPSK



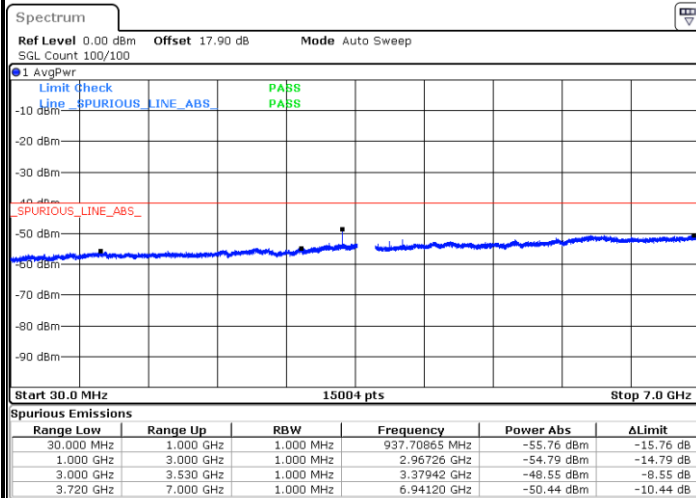
Date: 22.JUN.2021 17:18:06

Lowest Channel / QPSK



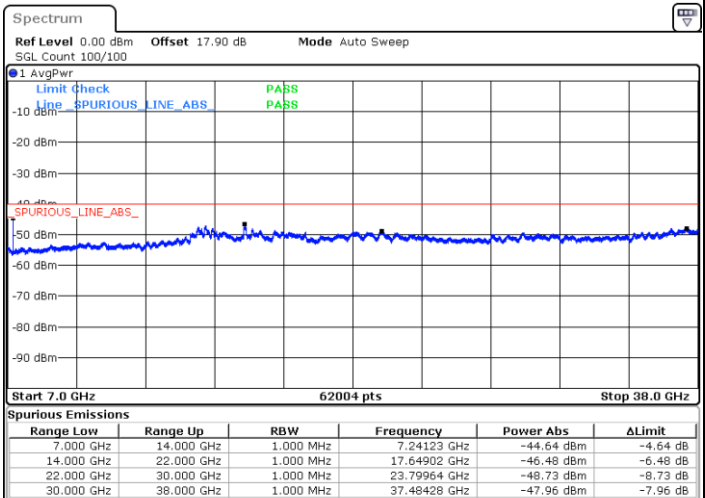
Date: 13.JUL.2021 09:15:08

Middle Channel / QPSK



Date: 22.JUN.2021 17:18:56

Middle Channel / QPSK

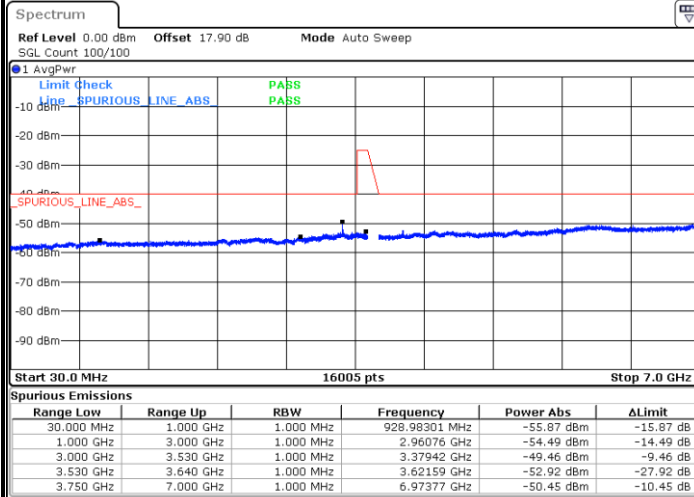


Date: 13.JUL.2021 09:16:48



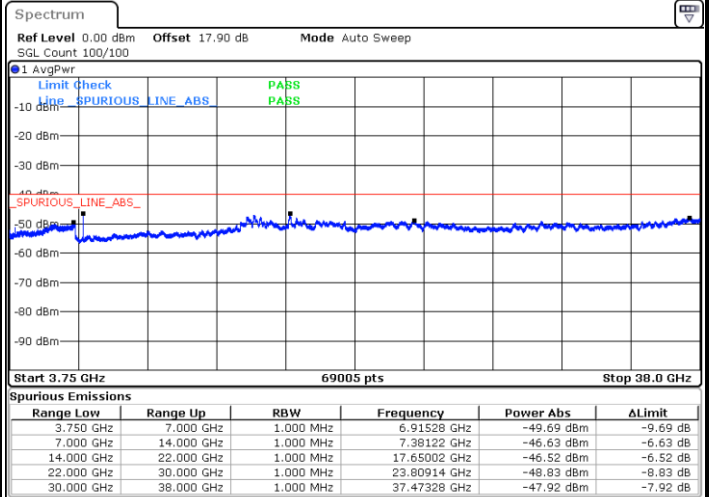
LTE Band 48 / 10MHz

Highest Channel / QPSK



Date: 22.JUN.2021 17:19:46

Highest Channel / QPSK

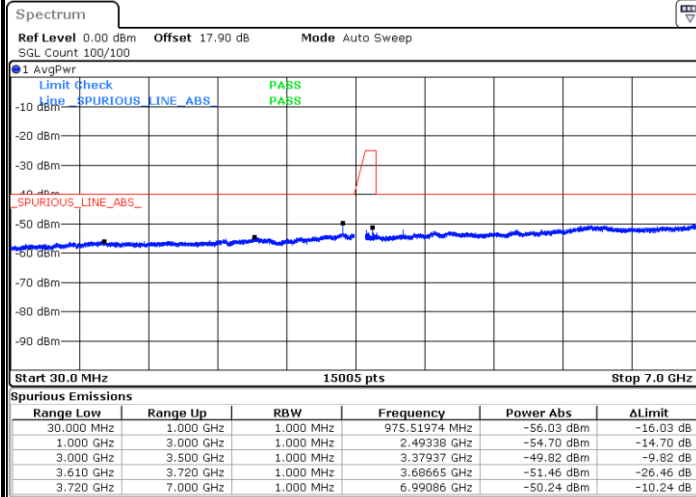


Date: 13.JUL.2021 09:18:29



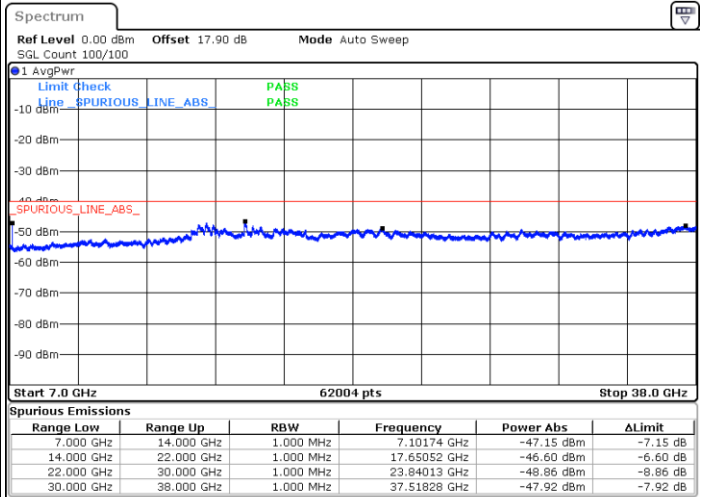
LTE Band 48 / 15MHz

Lowest Channel / QPSK



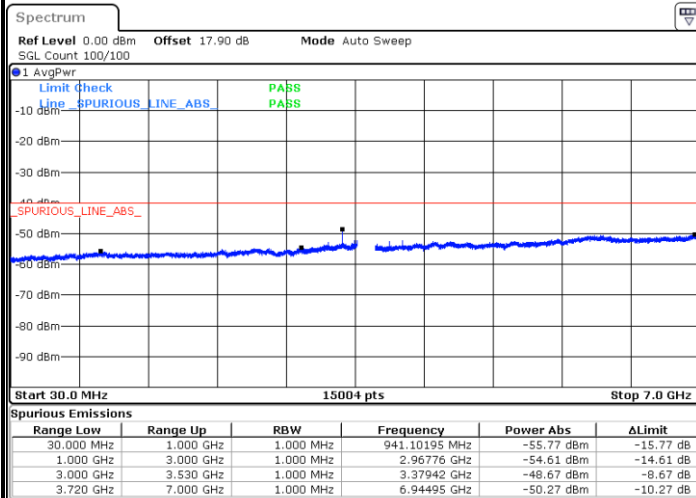
Date: 22.JUN.2021 17:20:37

Lowest Channel / QPSK



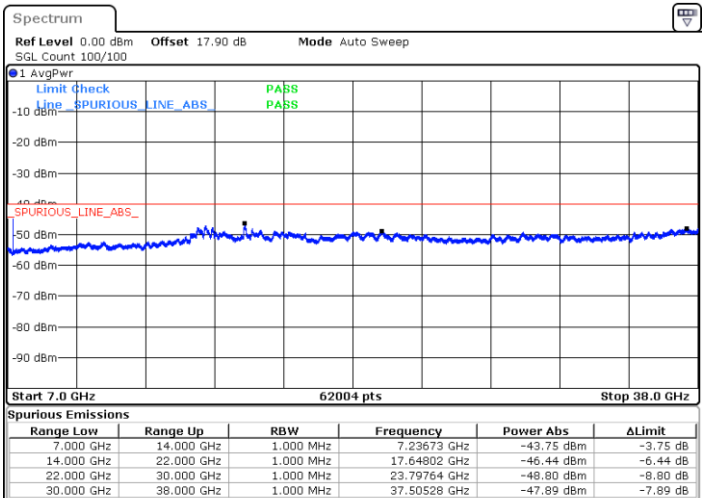
Date: 13.JUL.2021 09:20:10

Middle Channel / QPSK



Date: 22.JUN.2021 17:21:27

Middle Channel / QPSK

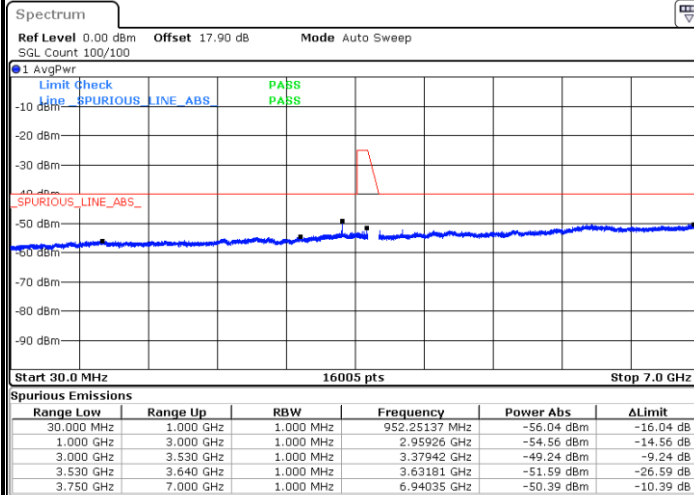


Date: 13.JUL.2021 09:21:51



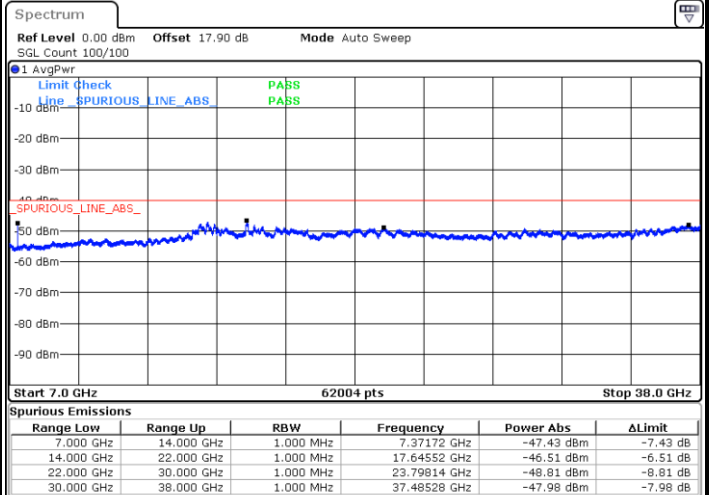
LTE Band 48 / 15MHz

Highest Channel / QPSK



Date: 22.JUN.2021 17:22:17

Highest Channel / QPSK

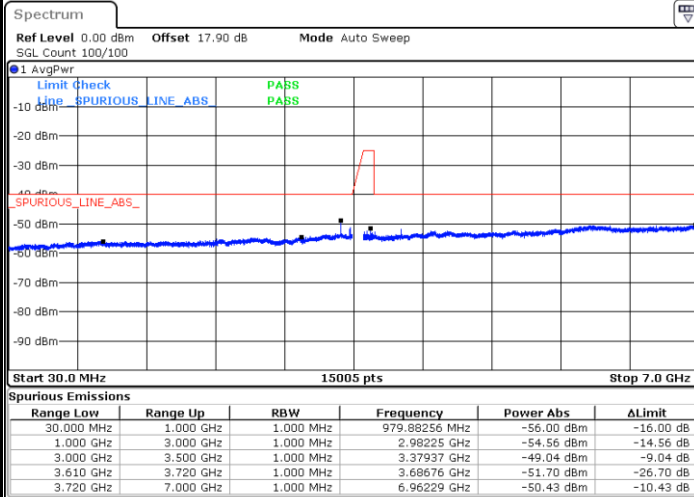


Date: 13.JUL.2021 09:23:32



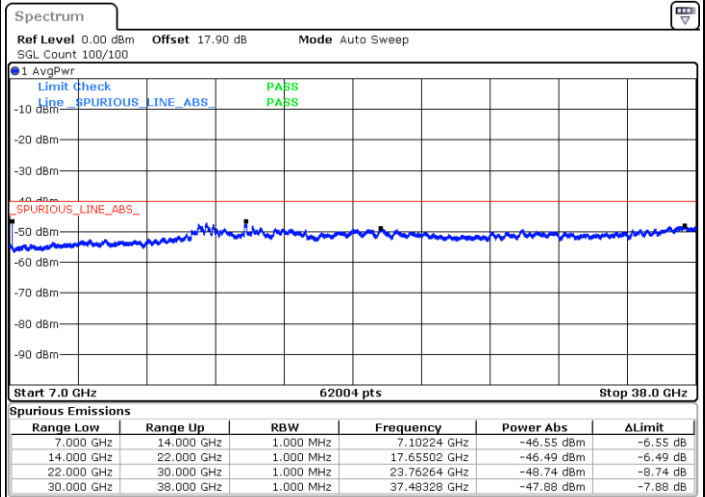
LTE Band 48 / 20MHz

Lowest Channel / QPSK



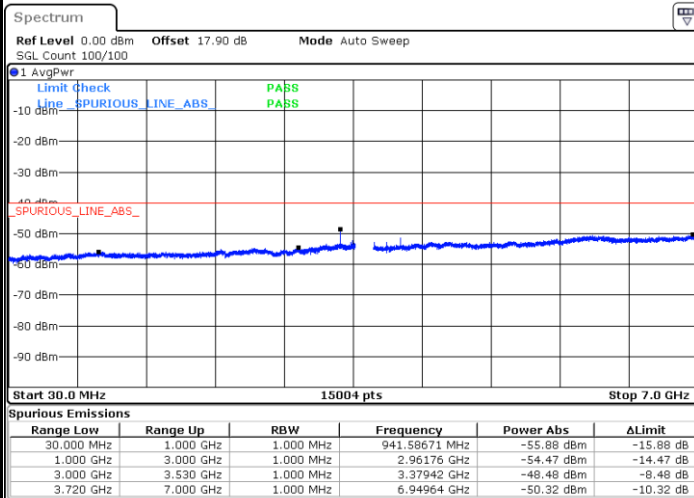
Date: 22.JUN.2021 17:23:09

Lowest Channel / QPSK



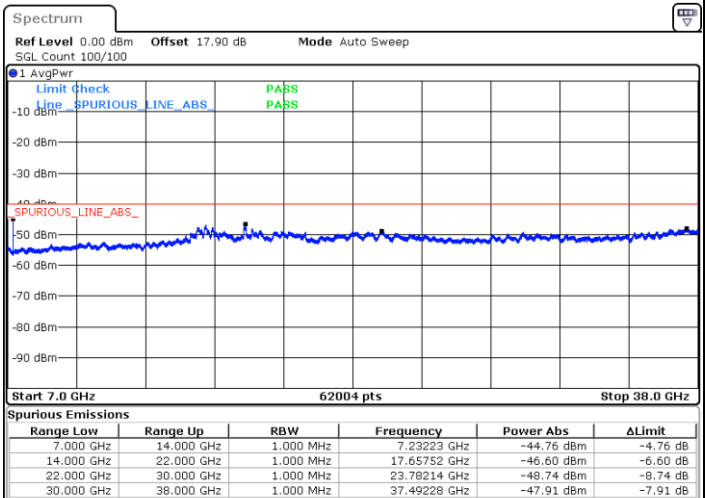
Date: 13.JUL.2021 09:25:14

Middle Channel / QPSK



Date: 22.JUN.2021 17:23:58

Middle Channel / QPSK

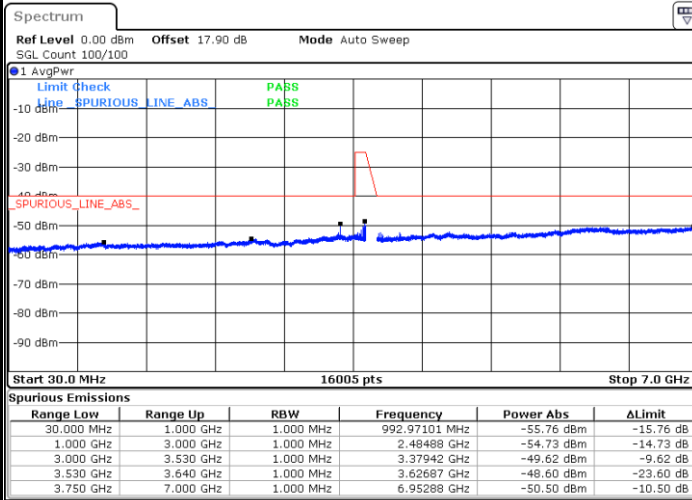


Date: 13.JUL.2021 09:26:54



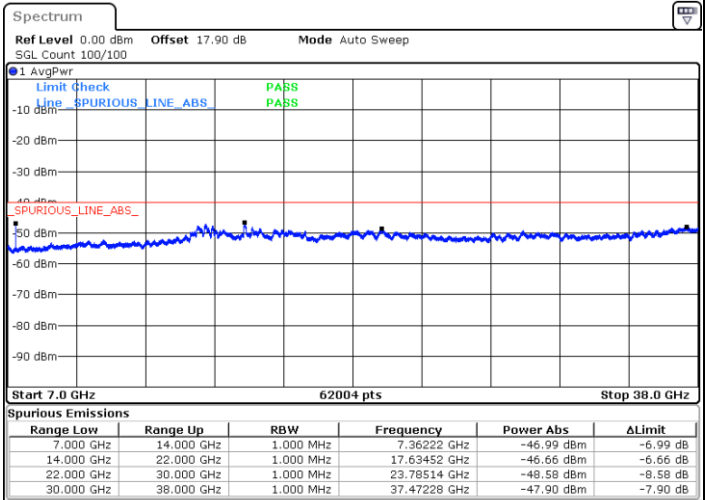
LTE Band 48 / 20MHz

Highest Channel / QPSK



Date: 22.JUN.2021 17:24:48

Highest Channel / QPSK



Date: 13.JUL.2021 09:28:34

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
40	Normal Voltage	0.0019	PASS
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0016	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (ACLRP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. EUT can't operate outside the temperatures between -20 °C and 40 °C.



Appendix B. Test Results of Radiated Test

LTE Band 48

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	7102	-57.01	-40	-17.01	-53.05	-66.97	1.78	11.74	H
	10653	-58.87	-40	-18.87	-56.46	-67.30	2.47	10.90	H
	14204	-54.83	-40	-14.83	-57.68	-63.67	2.87	11.71	H
	21306	-55.07	-40	-15.07	-76.89	-71.79	1.98	18.70	H
	24857	-52.51	-40	-12.51	-77.27	-68.52	2.07	18.07	H
	28408	-50.22	-40	-10.22	-75.53	-67.46	2.32	19.56	H
									H
	7102	-55.87	-40	-15.87	-51.52	-65.83	1.78	11.74	V
	10653	-58.80	-40	-18.80	-56.14	-67.23	2.47	10.90	V
	14204	-55.29	-40	-15.29	-57.87	-64.13	2.87	11.71	V
	21306	-55.73	-40	-15.73	-77.41	-72.45	1.98	18.70	V
	24857	-51.67	-40	-11.67	-77.64	-67.68	2.07	18.07	V
	28408	-49.05	-40	-9.05	-76.18	-66.29	2.32	19.56	V
									V
Middle	7232	-57.26	-40	-17.26	-53.43	-66.94	1.85	11.53	H
	10848	-57.51	-40	-17.51	-55.39	-65.84	2.57	10.90	H
	14464	-55.44	-40	-15.44	-58.04	-63.67	2.85	11.09	H
	18080	-53.48	-40	-13.48	-71.42	-69.71	1.76	17.98	H
	21696	-54.52	-40	-14.52	-75.92	-71.31	1.99	18.78	H
	25312	-51.22	-40	-11.22	-76.42	-67.82	2.14	18.74	H
									H
	7232	-58.14	-40	-18.14	-54.04	-67.82	1.85	11.53	V
	10848	-57.92	-40	-17.92	-55.59	-66.25	2.57	10.90	V
	14464	-55.95	-40	-15.95	-57.72	-64.18	2.85	11.09	V
	18080	-53.14	-40	-13.14	-70.15	-69.37	1.76	17.98	V
	21696	-55.42	-40	-15.42	-76.81	-72.21	1.99	18.78	V
	25312	-50.38	-40	-10.38	-76.84	-66.98	2.14	18.74	V
									V



Highest	7362	-53.49	-40	-13.49	-49.47	-62.90	1.92	11.32	H
	11043	-57.98	-40	-17.98	-56.22	-66.30	2.63	10.95	H
	14724	-54.31	-40	-14.31	-57.96	-63.11	2.91	11.72	H
	18405	-56.20	-40	-16.20	-74.48	-72.25	1.87	17.92	H
	22086	-55.82	-40	-15.82	-77.73	-72.61	2.08	18.87	H
	25767	-51.70	-40	-11.70	-77.58	-68.72	2.03	19.05	H
									H
	7362	-52.27	-40	-12.27	-48.06	-61.68	1.92	11.32	V
	11043	-57.94	-40	-17.94	-56.02	-66.26	2.63	10.95	V
	14724	-55.57	-40	-15.57	-57.55	-64.37	2.91	11.72	V
	18405	-56.87	-40	-16.87	-74.27	-72.92	1.87	17.92	V
	22086	-55.67	-40	-15.67	-77.58	-72.46	2.08	18.87	V
	25767	-50.65	-40	-10.65	-77.72	-67.67	2.03	19.05	V
									V

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