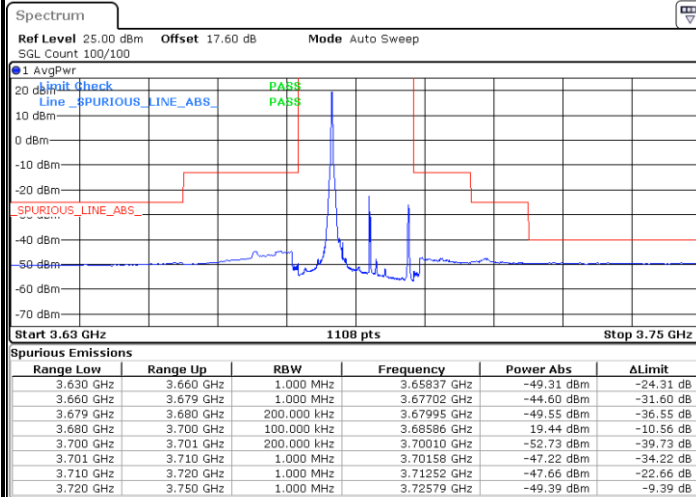




LTE Band 48 / 15MHz

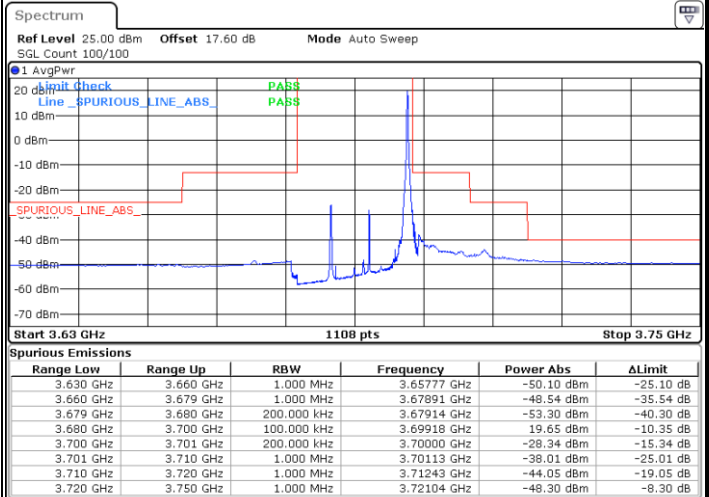
64QAM

Highest Channel / 1RB0



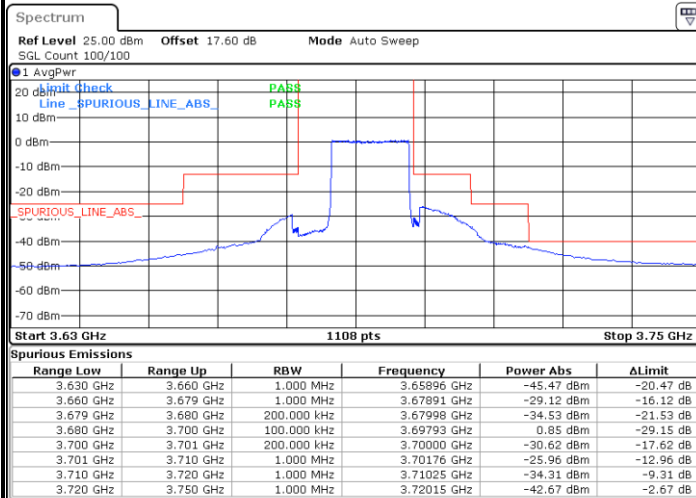
Date: 24.MAR.2021 23:52:22

Highest Channel / 1RBmax



Date: 25.MAR.2021 00:06:53

Highest Channel / FullIRB



Date: 24.MAR.2021 23:59:37

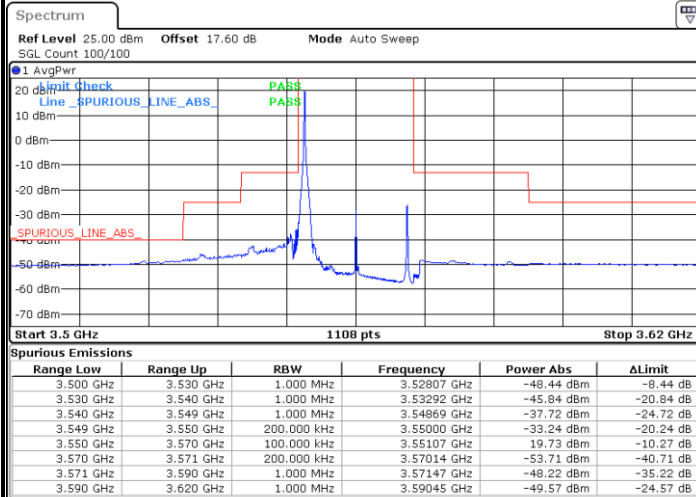
N/A



LTE Band 48 / 20MHz

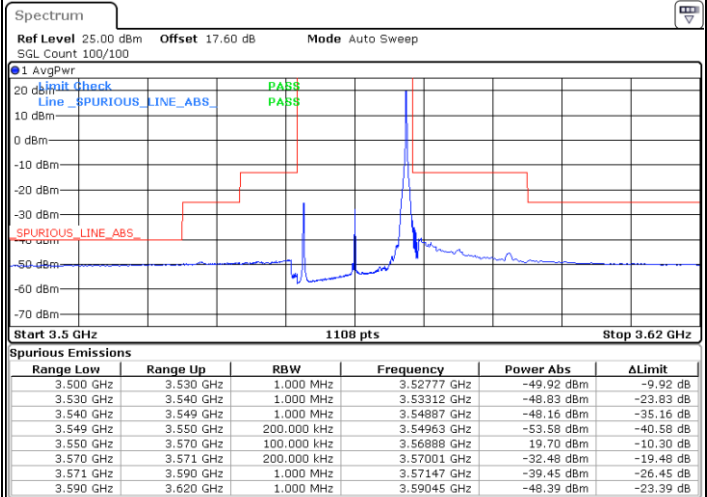
64QAM

Lowest Channel / 1RB0



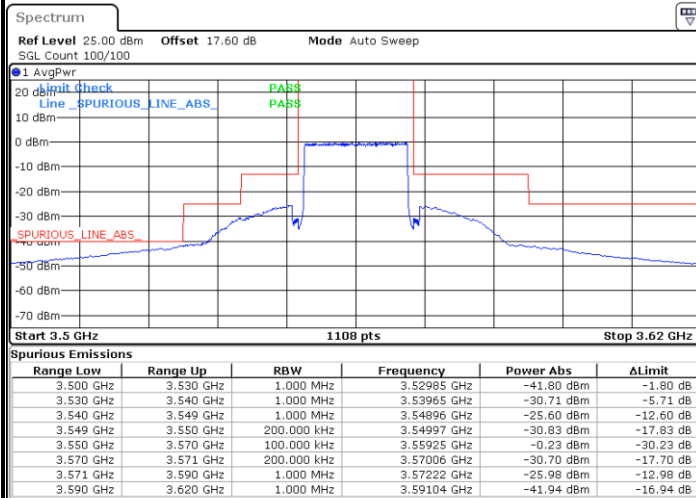
Date: 25 MAR 2021 00:15:01

Lowest Channel / 1RBmax



Date: 25 MAR 2021 00:22:18

Lowest Channel / FullIRB



Date: 25 MAR 2021 00:07:43

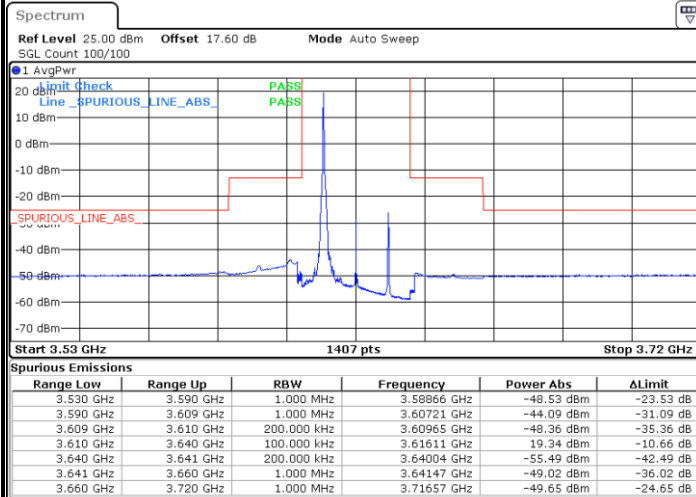
N/A



LTE Band 48 / 20MHz

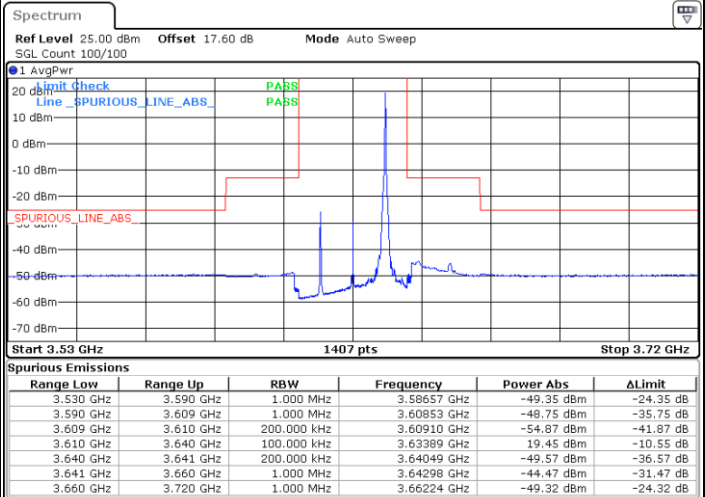
64QAM

Middle Channel / 1RB0



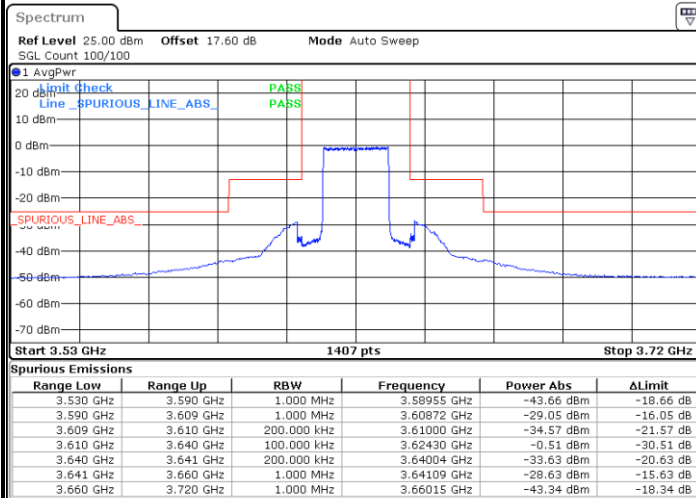
Date: 25 MAR 2021 00:19:03

Middle Channel / 1RBmax



Date: 25 MAR 2021 00:26:21

Middle Channel / FullRB



Date: 25 MAR 2021 00:11:46

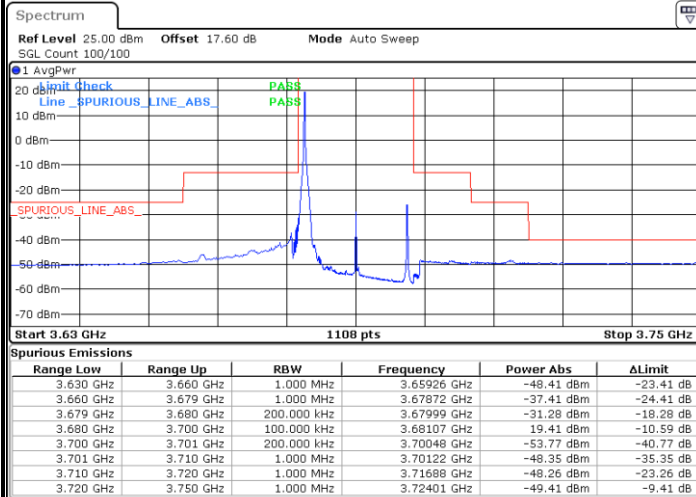
N/A



LTE Band 48 / 20MHz

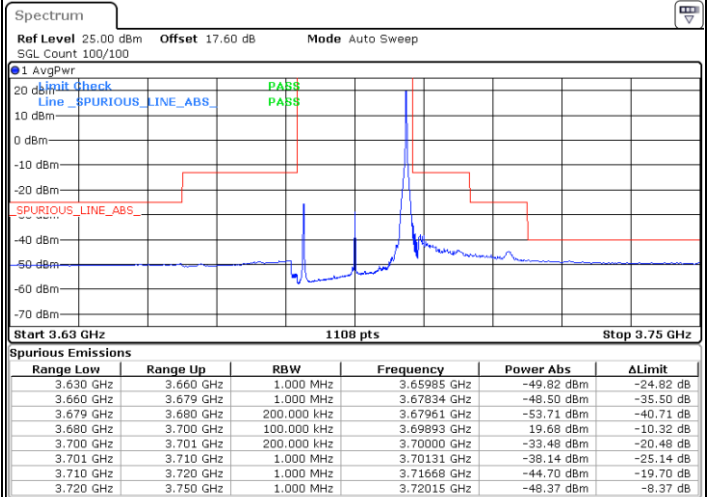
64QAM

Highest Channel / 1RB0



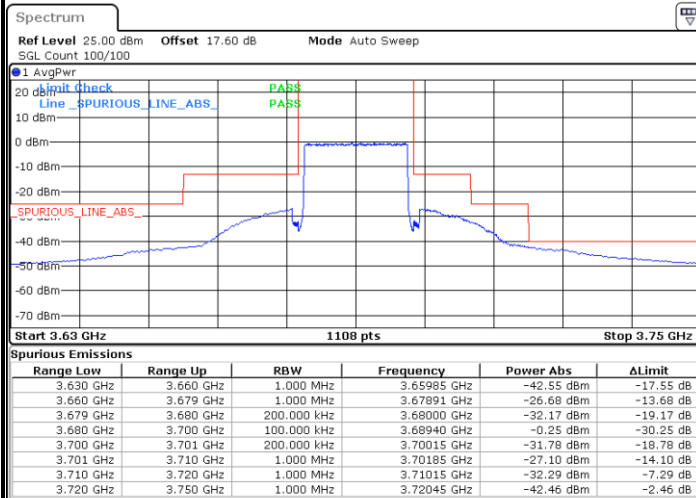
Date: 25.MAR.2021 00:19:51

Highest Channel / 1RBmax



Date: 25.MAR.2021 00:27:09

Highest Channel / FullIRB



Date: 25.MAR.2021 00:12:34

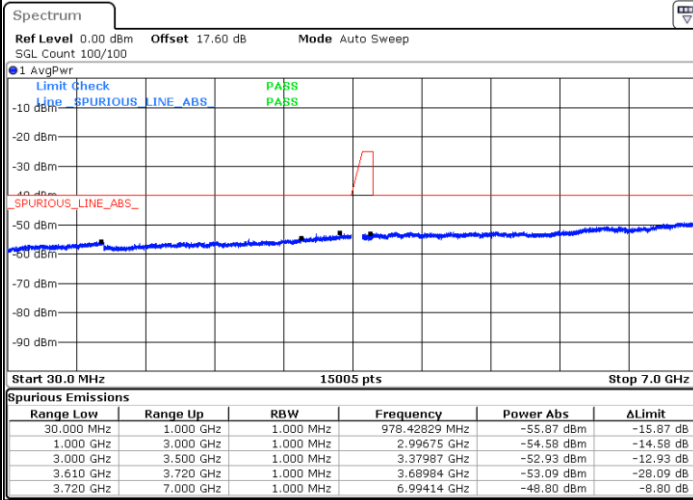
N/A



Conducted Spurious Emission

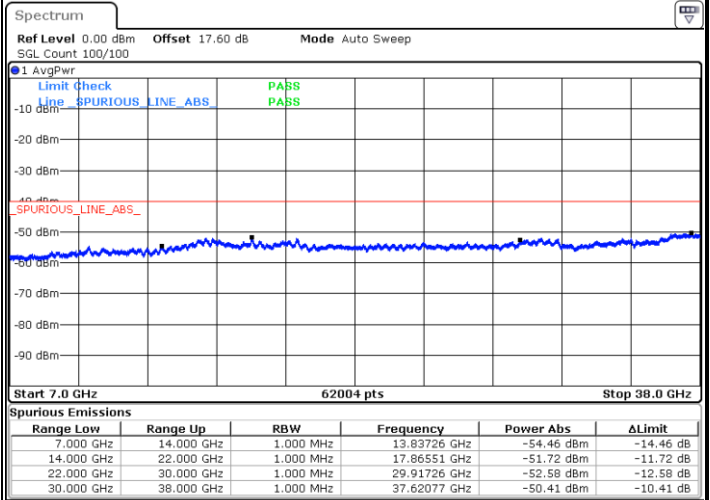
LTE Band 48 / 5MHz

Lowest Channel / QPSK



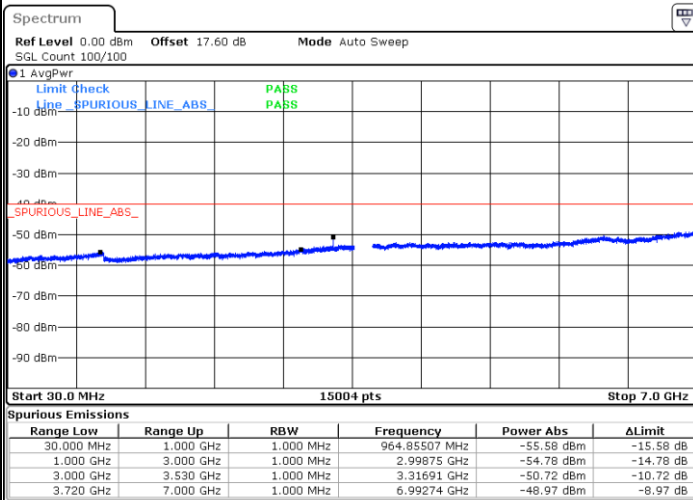
Date: 25 MAR 2021 00:46:41

Lowest Channel / QPSK



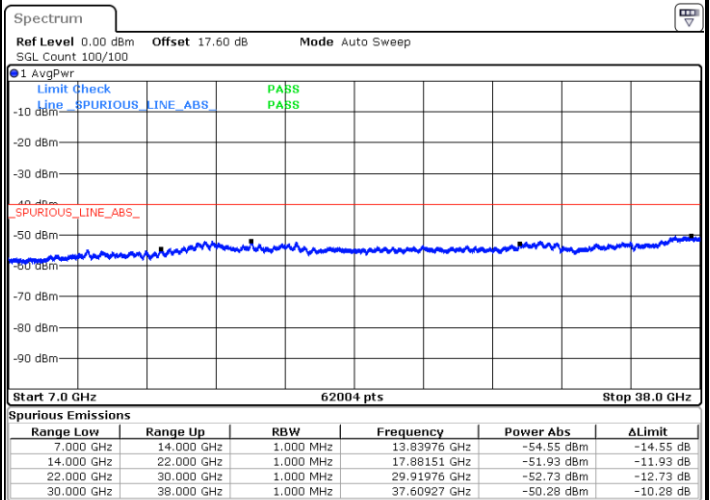
Date: 25 MAR 2021 01:25:48

Middle Channel / QPSK



Date: 25 MAR 2021 00:47:35

Middle Channel / QPSK

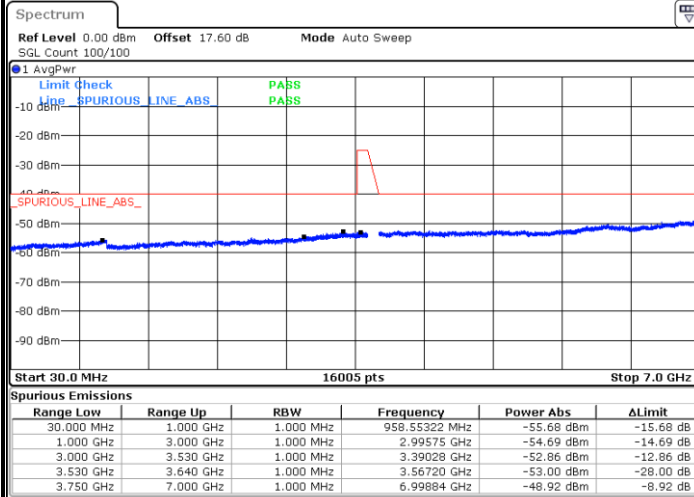


Date: 25 MAR 2021 01:27:01



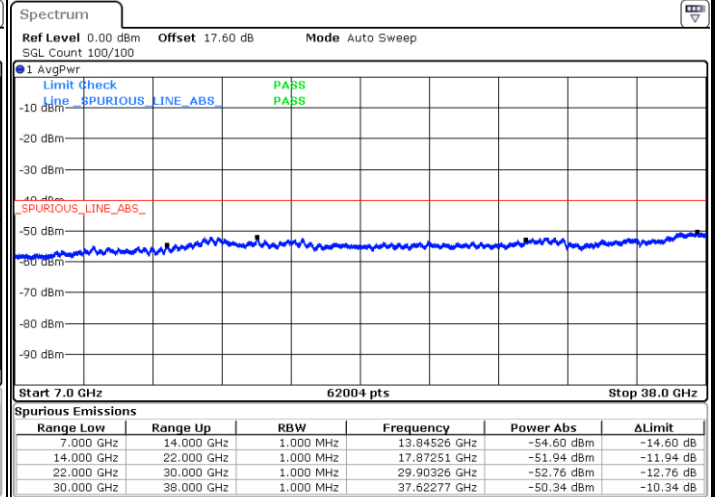
LTE Band 48 / 5MHz

Highest Channel / QPSK



Date: 25 MAR 2021 00:48:28

Highest Channel / QPSK

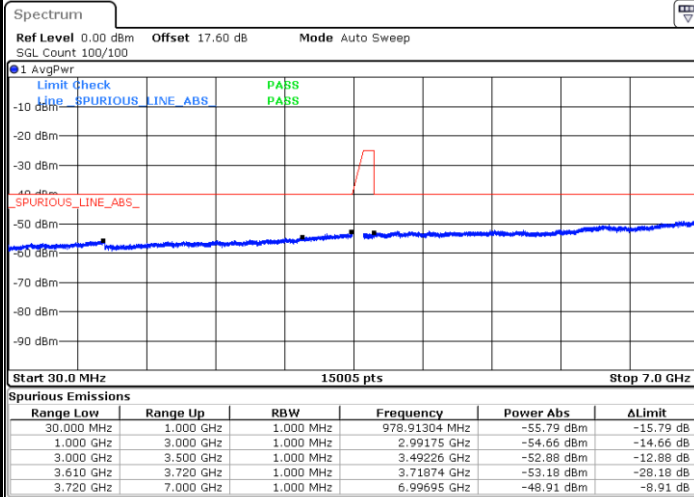


Date: 25 MAR 2021 01:28:15



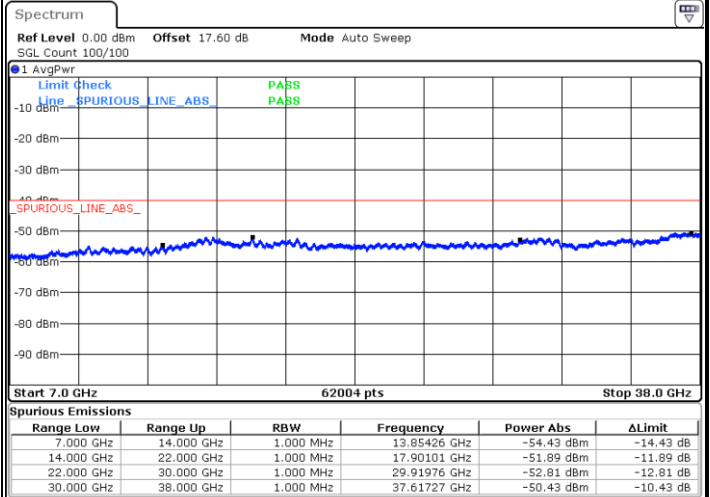
LTE Band 48 / 10MHz

Lowest Channel / QPSK



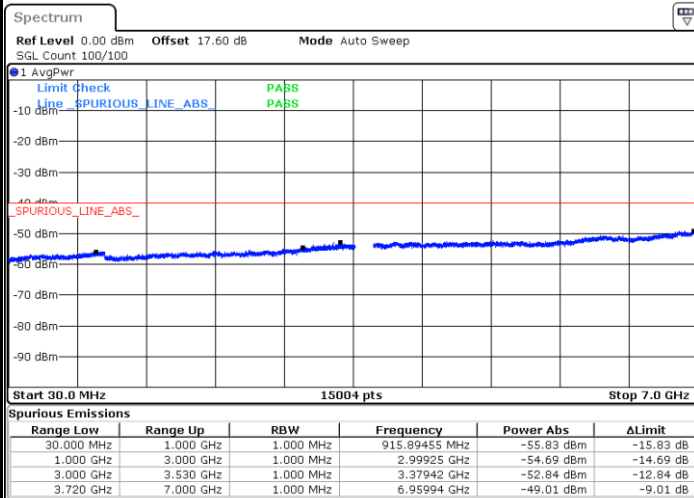
Date: 25 MAR 2021 00:49:22

Lowest Channel / QPSK



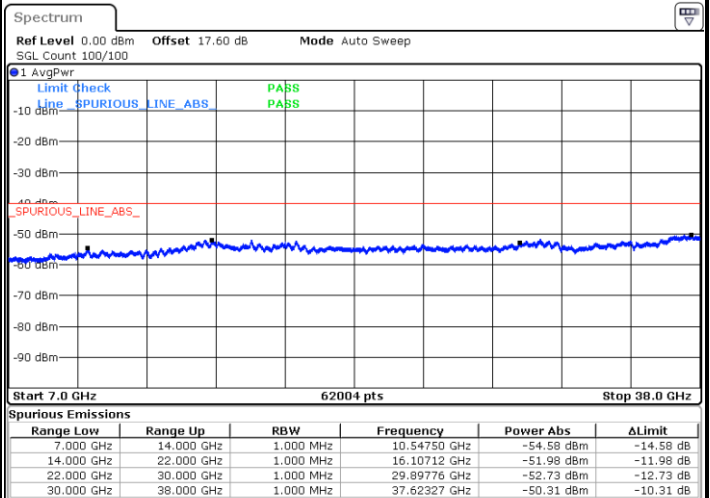
Date: 25 MAR 2021 01:29:29

Middle Channel / QPSK



Date: 25 MAR 2021 00:50:16

Middle Channel / QPSK

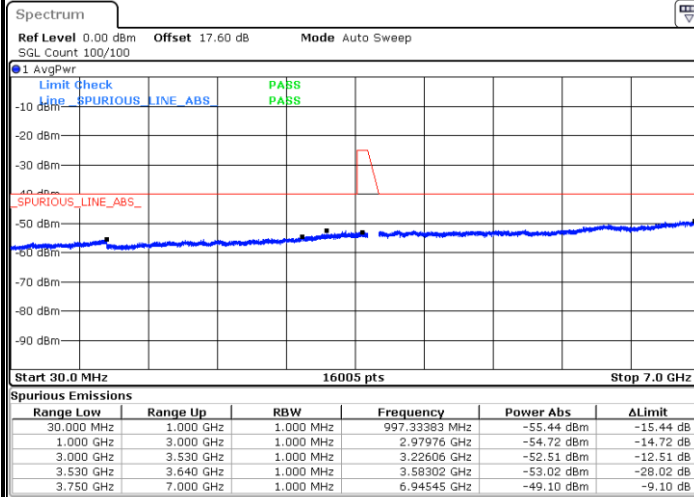


Date: 25 MAR 2021 01:30:43



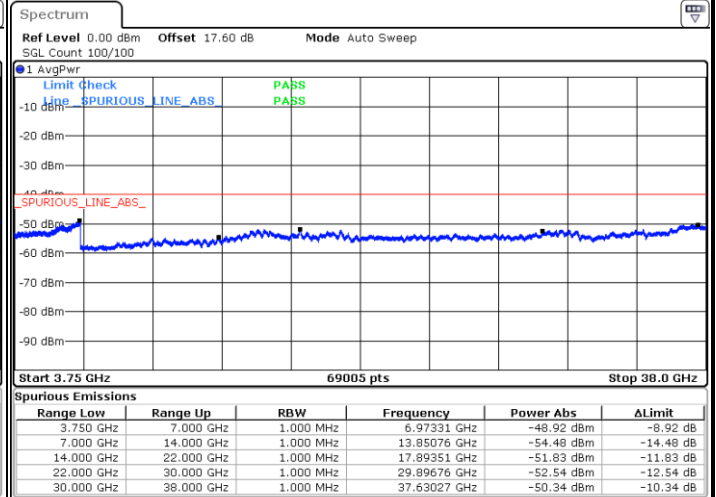
LTE Band 48 / 10MHz

Highest Channel / QPSK



Date: 25 MAR 2021 00:51:10

Highest Channel / QPSK

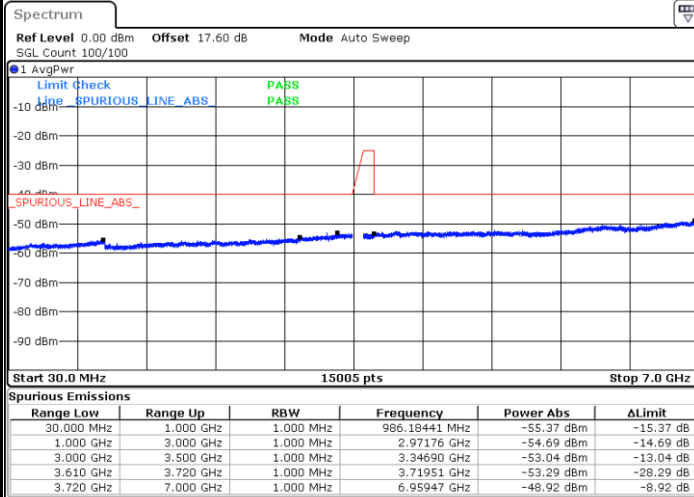


Date: 25 MAR 2021 01:31:59



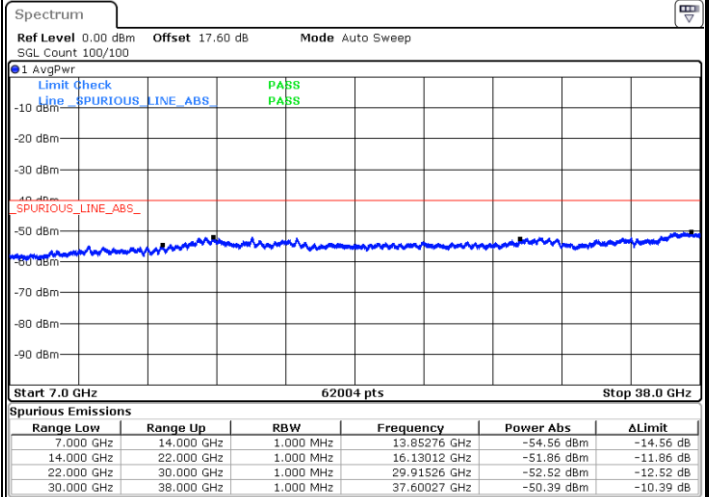
LTE Band 48 / 15MHz

Lowest Channel / QPSK



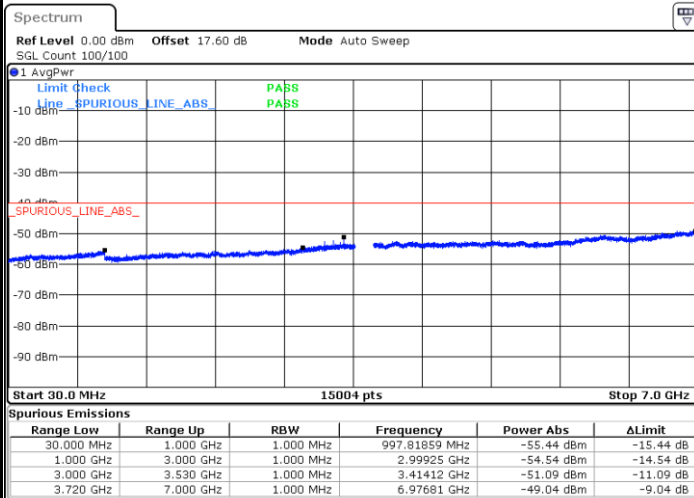
Date: 25 MAR 2021 00:52:04

Lowest Channel / QPSK



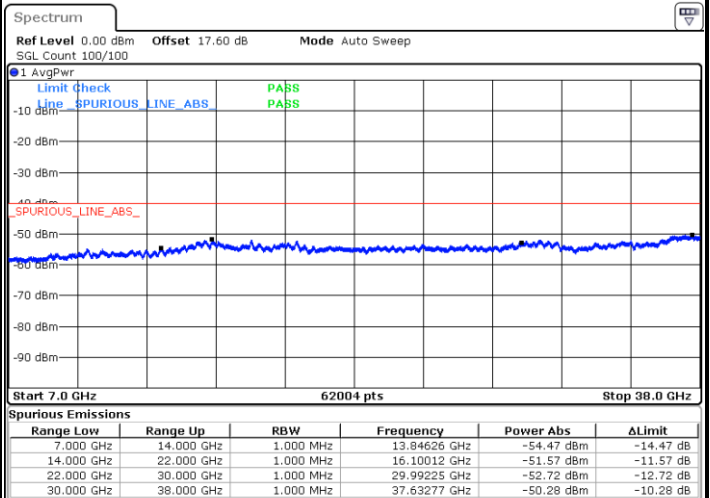
Date: 25 MAR 2021 01:33:14

Middle Channel / QPSK



Date: 25 MAR 2021 00:52:57

Middle Channel / QPSK

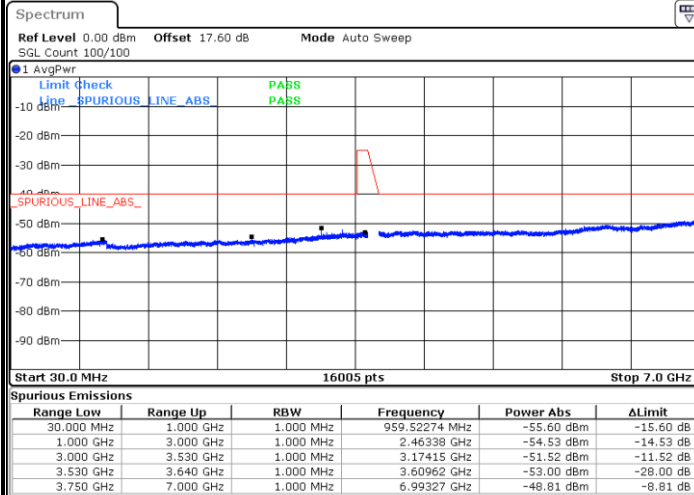


Date: 25 MAR 2021 01:34:28



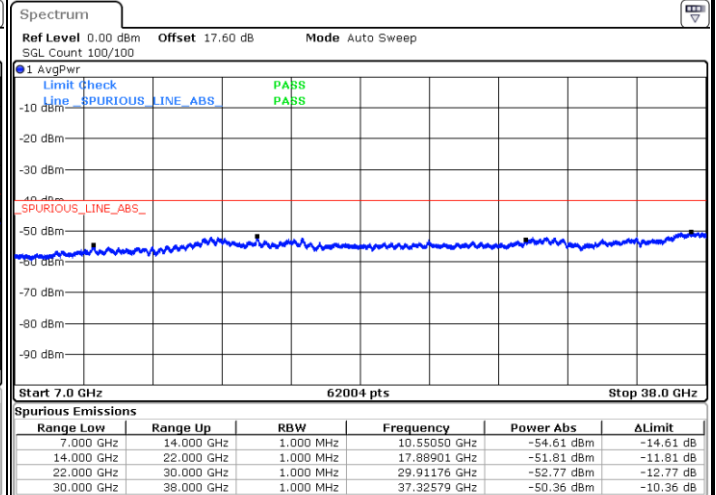
LTE Band 48 / 15MHz

Highest Channel / QPSK



Date: 25 MAR 2021 00:53:50

Highest Channel / QPSK

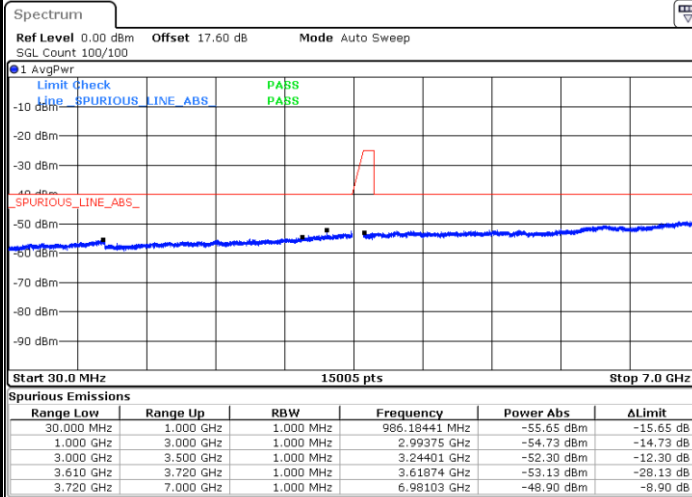


Date: 25 MAR 2021 01:19:51



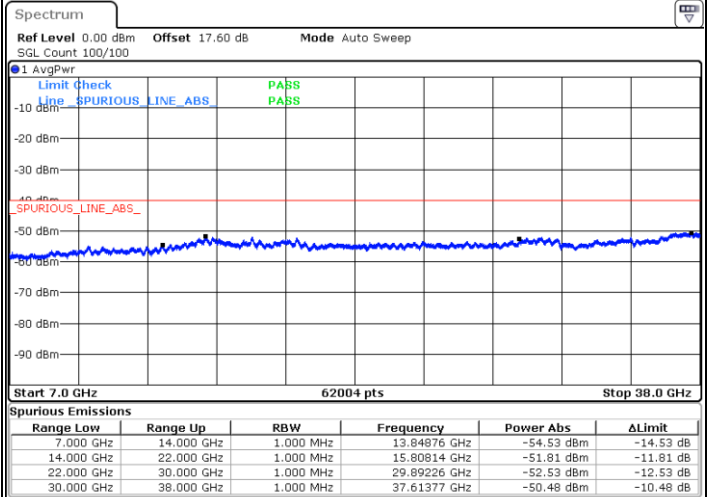
LTE Band 48 / 20MHz

Lowest Channel / QPSK



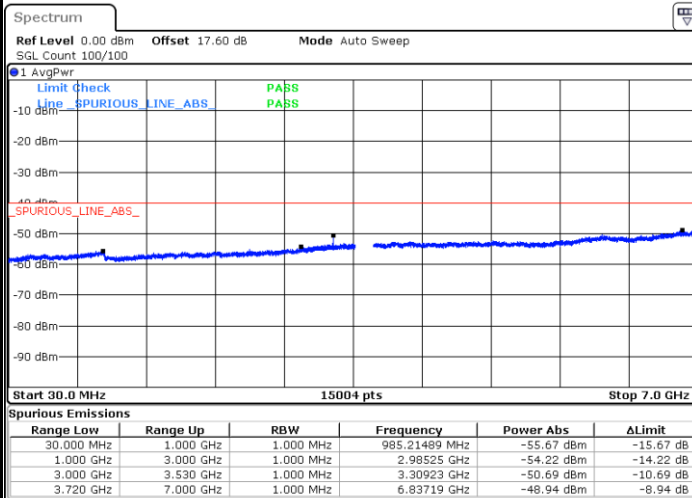
Date: 25 MAR 2021 00:54:44

Lowest Channel / QPSK



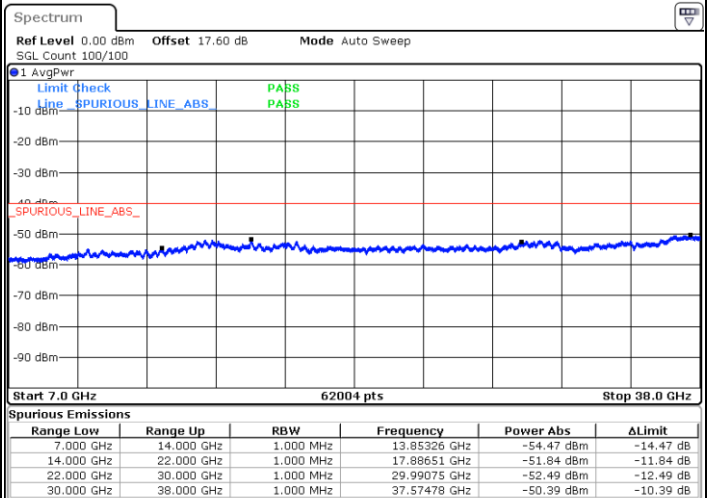
Date: 25 MAR 2021 01:21:06

Middle Channel / QPSK



Date: 25 MAR 2021 00:55:38

Middle Channel / QPSK

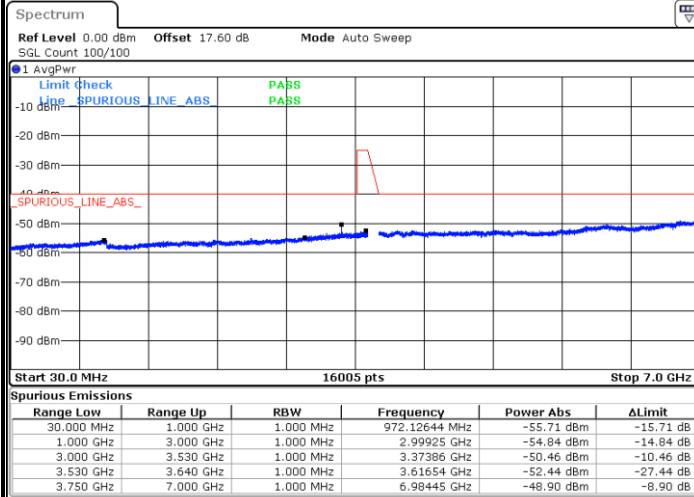


Date: 25 MAR 2021 01:22:20



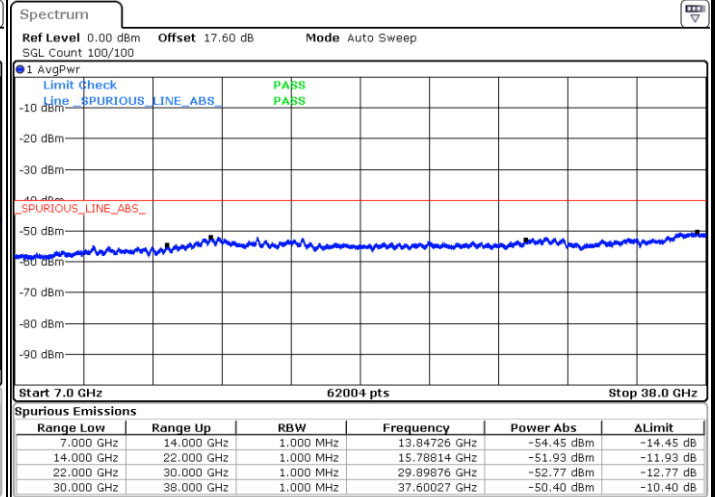
LTE Band 48 / 20MHz

Highest Channel / QPSK



Date: 25 MAR 2021 00:56:31

Highest Channel / QPSK



Date: 25 MAR 2021 01:23:33

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	0.0007	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (ACLRP) =3.67 V. ; Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Main>

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	-49.59	-40	-9.59	-45.63	-59.55	1.78	11.74	H
	10653	-58.40	-40	-18.40	-55.99	-66.83	2.47	10.90	H
	14204	-54.91	-40	-14.91	-57.76	-63.75	2.87	11.71	H
	21307	-50.50	-40	-10.50	-72.32	-67.22	1.98	18.70	H
	24858	-50.38	-40	-10.38	-75.14	-66.39	2.07	18.07	H
	28409	-48.81	-40	-8.81	-74.12	-66.06	2.32	19.56	H
									H
	7102	-52.95	-40	-12.95	-48.6	-62.91	1.78	11.74	V
	10653	-58.87	-40	-18.87	-56.21	-67.30	2.47	10.90	V
	14204	-55.14	-40	-15.14	-57.72	-63.98	2.87	11.71	V
	21307	-53.19	-40	-13.19	-74.87	-69.91	1.98	18.70	V
	24858	-51.00	-40	-11.00	-76.97	-67.01	2.07	18.07	V
	28409	-46.04	-40	-6.04	-73.17	-63.29	2.32	19.56	V
									V
Middle	7232	-47.82	-40	-7.82	-43.99	-57.50	1.85	11.53	H
	10848	-57.33	-40	-17.33	-55.21	-65.66	2.57	10.90	H
	14464	-52.69	-40	-12.69	-55.29	-60.92	2.85	11.09	H
	18080	-46.31	-40	-6.31	-64.25	-62.54	1.76	17.98	H
	21697	-53.80	-40	-13.80	-75.2	-70.59	1.99	18.78	H
	25313	-47.43	-40	-7.43	-72.63	-64.03	2.14	18.74	H
									H
	7232	-50.98	-40	-10.98	-46.88	-60.66	1.85	11.53	V
	10848	-57.82	-40	-17.82	-55.49	-66.15	2.57	10.90	V
	14464	-55.21	-40	-15.21	-56.98	-63.44	2.85	11.09	V
	18080	-47.83	-40	-7.83	-64.84	-64.06	1.76	17.98	V
	21697	-54.20	-40	-14.20	-75.59	-70.99	1.99	18.78	V
	25313	-49.65	-40	-9.65	-76.11	-66.25	2.14	18.74	V
									V



Highest	7362	-46.69	-40	-6.69	-42.67	-56.10	1.92	11.32	H
	11043	-57.58	-40	-17.58	-55.82	-65.90	2.63	10.95	H
	14724	-54.02	-40	-14.02	-57.67	-62.82	2.91	11.72	H
	18405	-48.11	-40	-8.11	-66.39	-64.16	1.87	17.92	H
	22087	-52.53	-40	-12.53	-74.44	-69.32	2.08	18.87	H
	25768	-49.44	-40	-9.44	-75.32	-66.46	2.03	19.05	H
									H
	7362	-48.71	-40	-8.71	-44.51	-58.12	1.92	11.32	V
	11043	-57.95	-40	-17.95	-56.03	-66.27	2.63	10.95	V
	14724	-55.87	-40	-15.87	-57.85	-64.67	2.91	11.72	V
	18405	-50.21	-40	-10.21	-67.61	-66.26	1.87	17.92	V
	22087	-53.86	-40	-13.86	-75.77	-70.65	2.08	18.87	V
	25768	-49.74	-40	-9.74	-76.81	-66.76	2.03	19.05	V
									V

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

————THE END————