



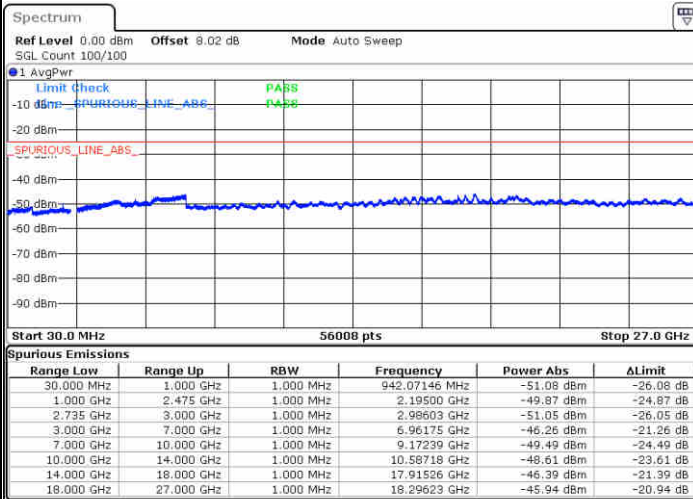
Conducted Spurious Emission

LTE Band 41 / 5MHz+20MHz

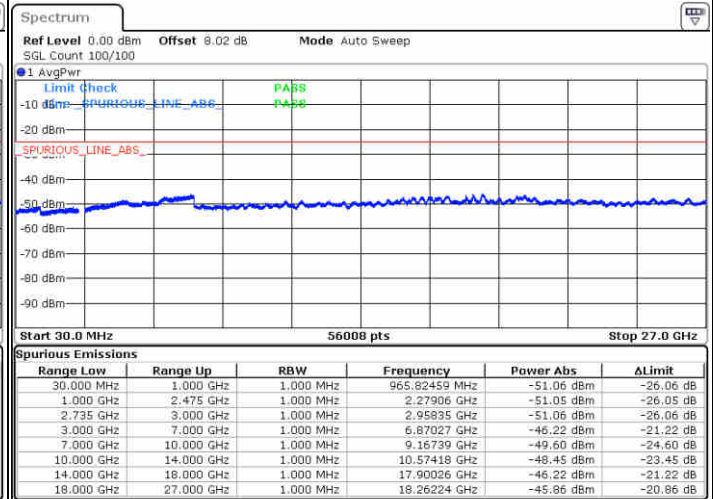
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0



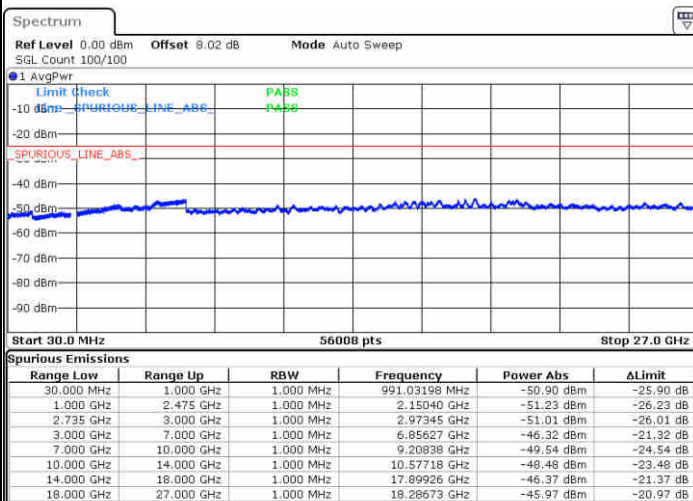
Date: 26 OCT 2019 10:22:50



Date: 26 OCT 2019 10:25:24

Highest Channel / 1RB24 and 1RB0

N/A



Date: 26 OCT 2019 10:31:56

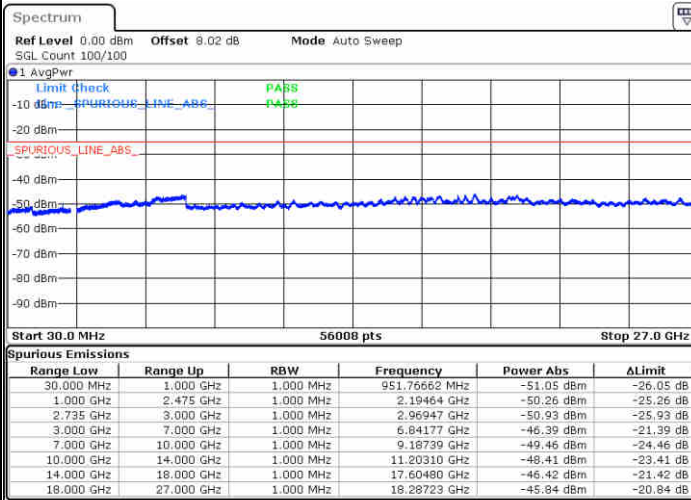


LTE Band 41 / 5MHz+20MHz

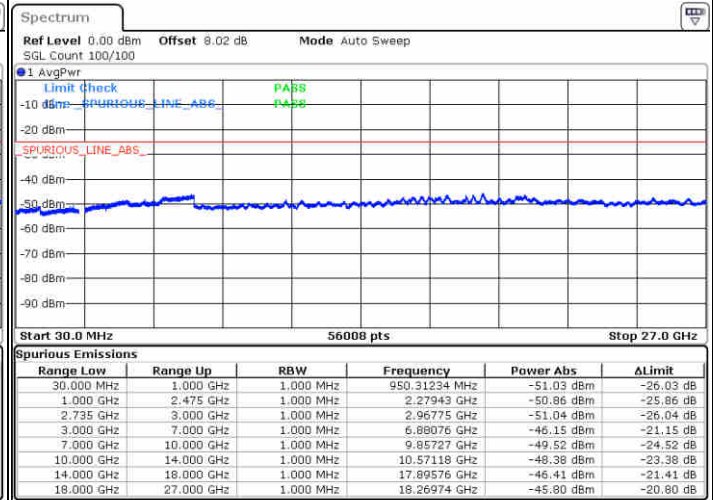
16QAM

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0



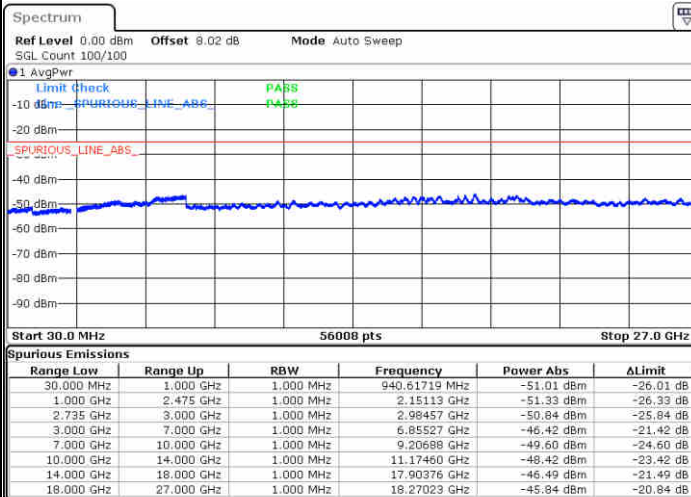
Date: 26 OCT 2019 10:21:42



Date: 26 OCT 2019 10:26:25

Highest Channel / 1RB24 and 1RB0

N/A



Date: 26 OCT 2019 10:30:31

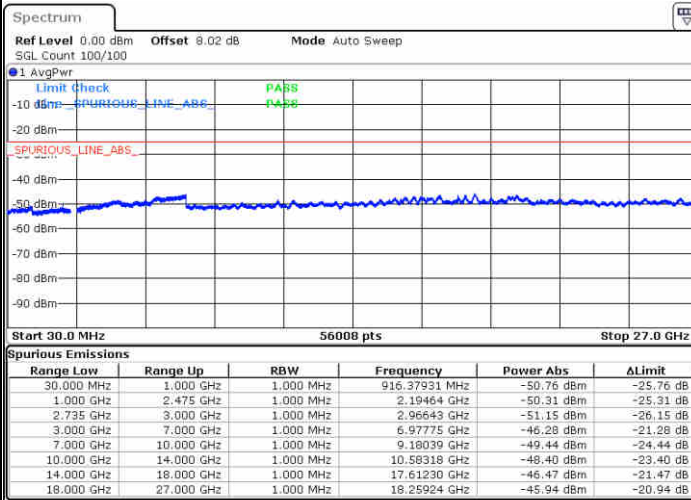


LTE Band 41 / 5MHz+20MHz

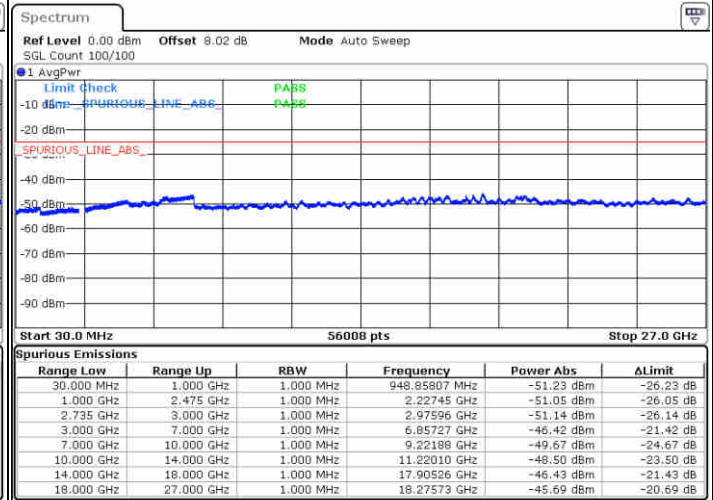
64QAM

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0



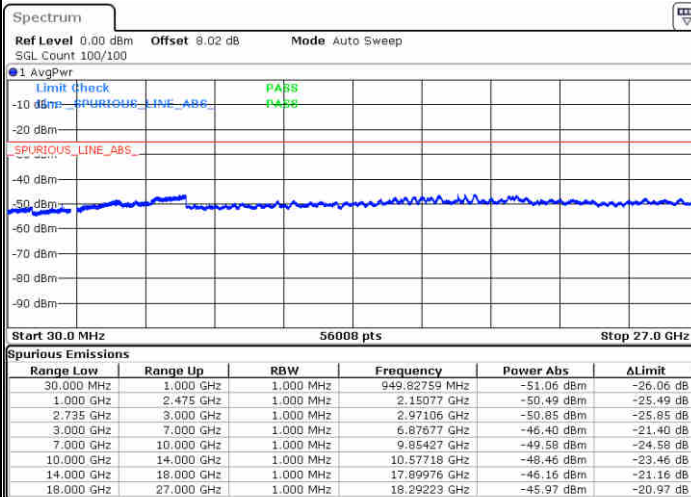
Date: 26 OCT 2019 10:20:31



Date: 26 OCT 2019 10:27:36

Highest Channel / 1RB24 and 1RB0

N/A



Date: 26 OCT 2019 10:29:17

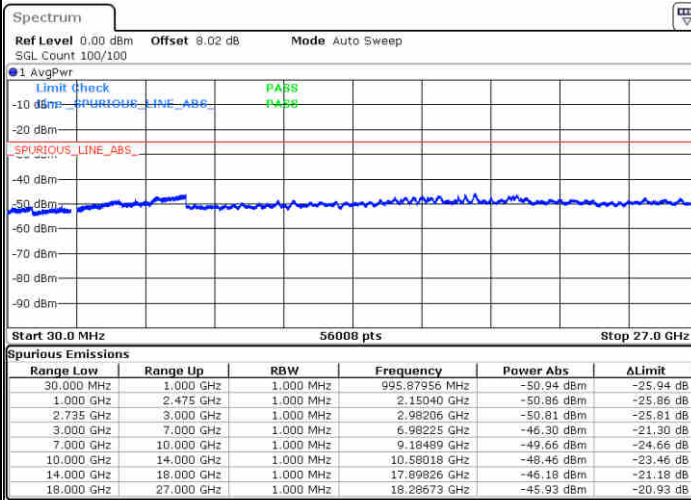


LTE Band 41 / 10MHz+15MHz

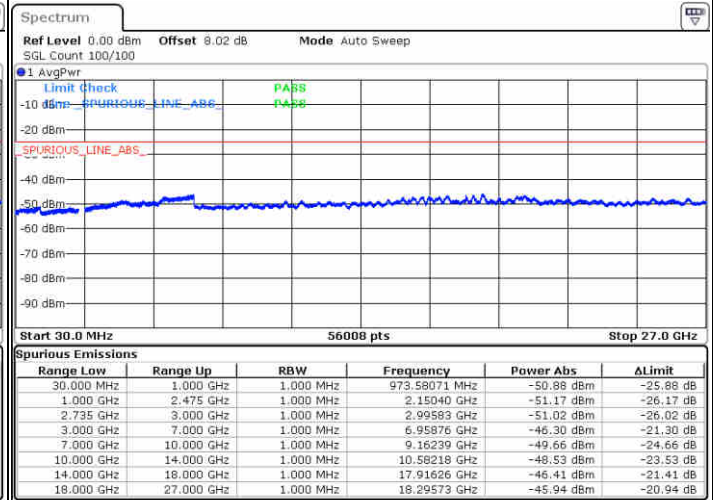
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



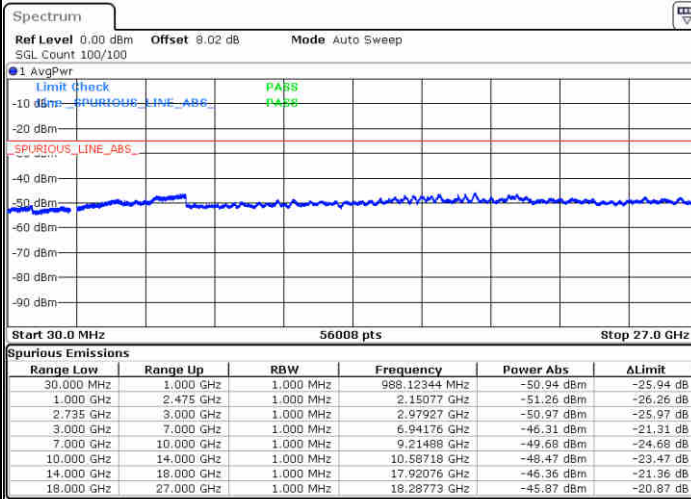
Date: 26 OCT 2019 11:22:24



Date: 26 OCT 2019 11:28:41

Highest Channel /1RB49 and 1RB0

N/A



Date: 26 OCT 2019 11:30:47

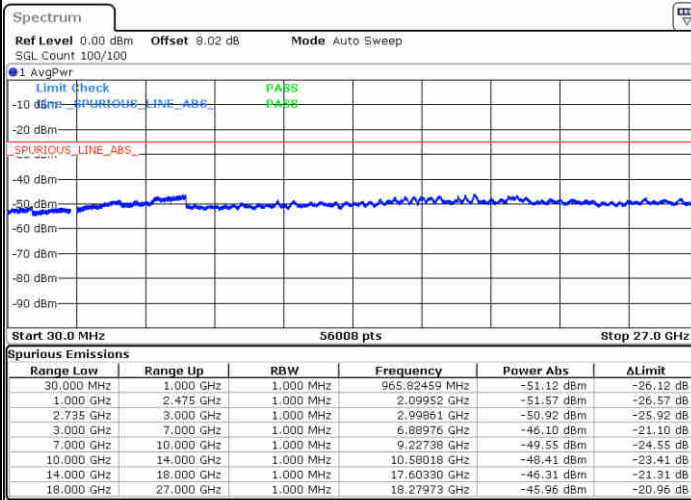


LTE Band 41 / 10MHz+15MHz

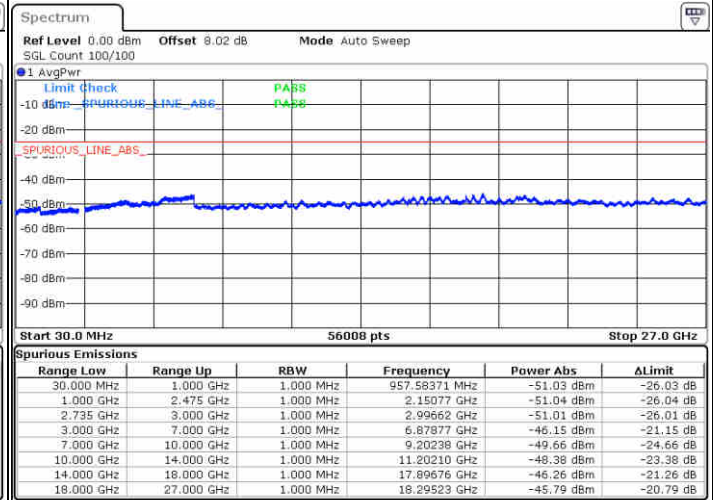
16QAM

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



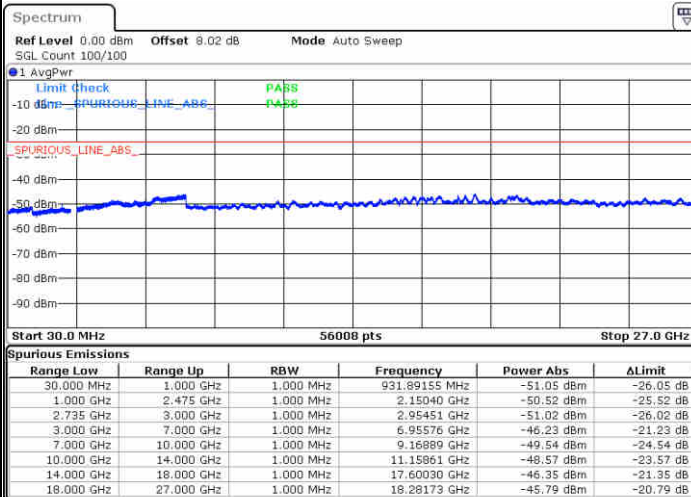
Date: 26 OCT 2019 11:23:43



Date: 26 OCT 2019 11:27:37

Highest Channel / 1RB49 and 1RB0

N/A



Date: 26 OCT 2019 11:32:11

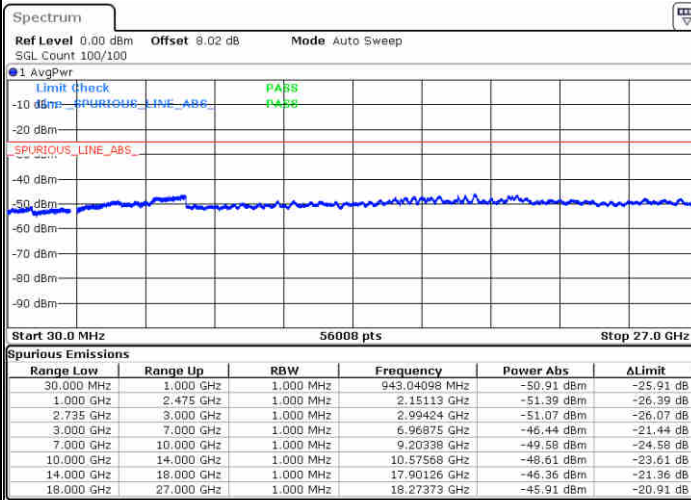


LTE Band 41 / 10MHz+15MHz

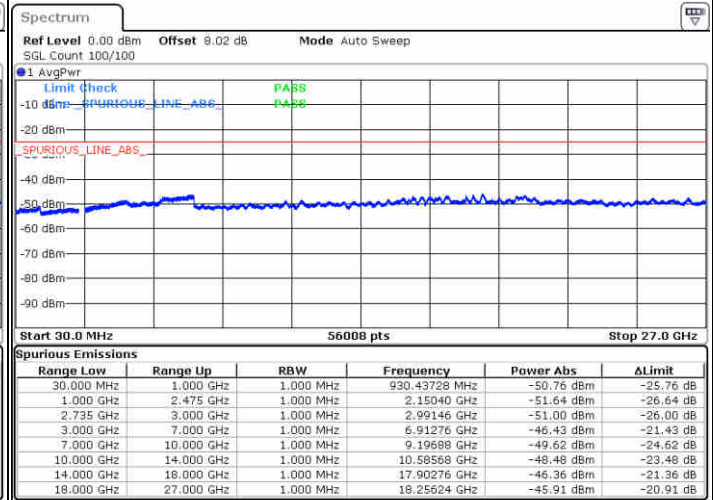
64QAM

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



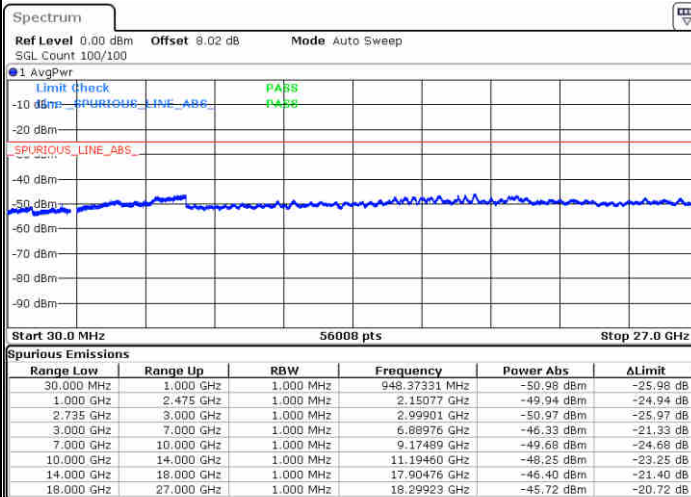
Date: 26 OCT 2019 11:24:57



Date: 26 OCT 2019 11:26:25

Highest Channel / 1RB49 and 1RB0

N/A



Date: 26 OCT 2019 11:33:27

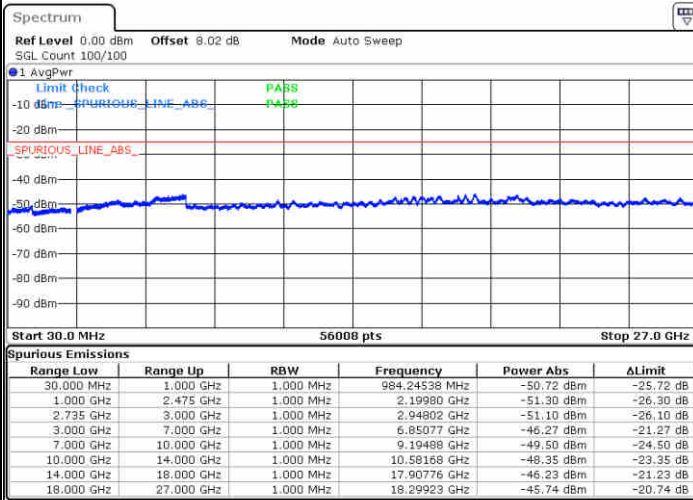


LTE Band 41 / 10MHz+20MHz

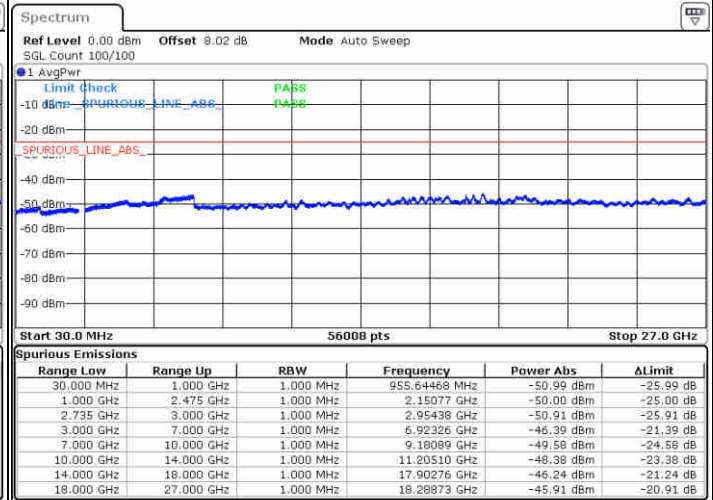
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



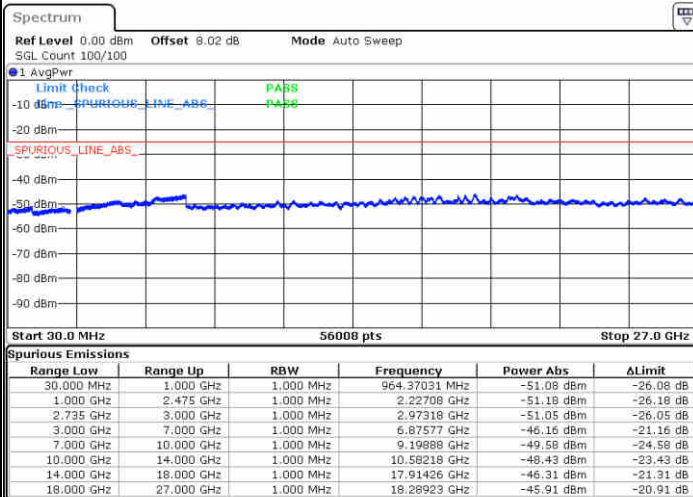
Date: 26 OCT 2019 13:18:18



Date: 26 OCT 2019 13:24:58

Highest Channel / 1RB49 and 1RB0

N/A



Date: 26 OCT 2019 13:26:45

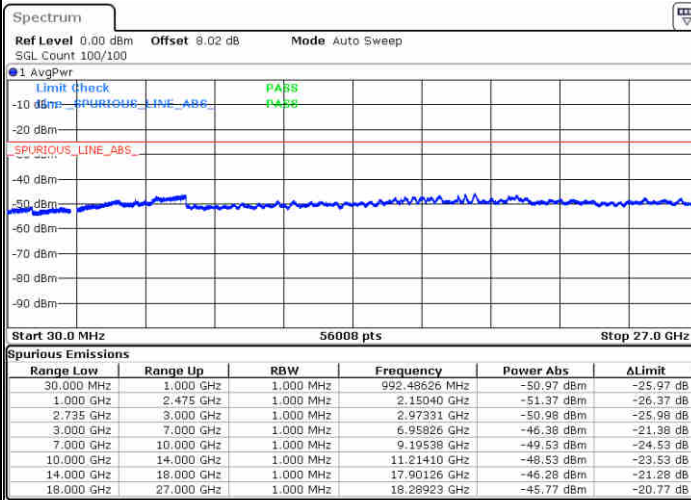


LTE Band 41 / 10MHz+20MHz

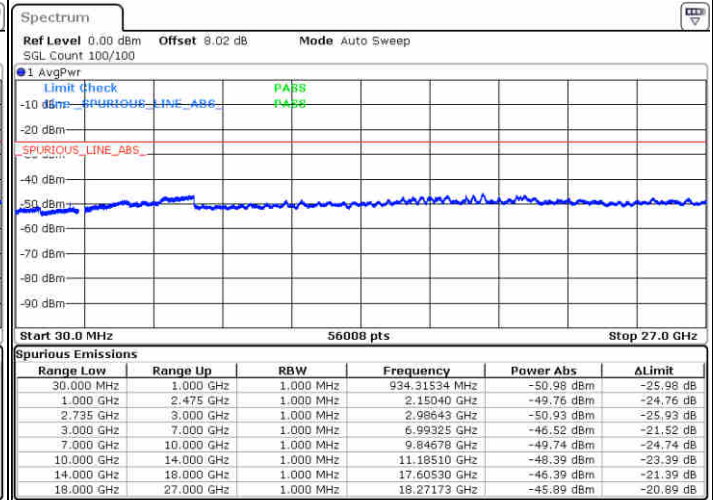
16QAM

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



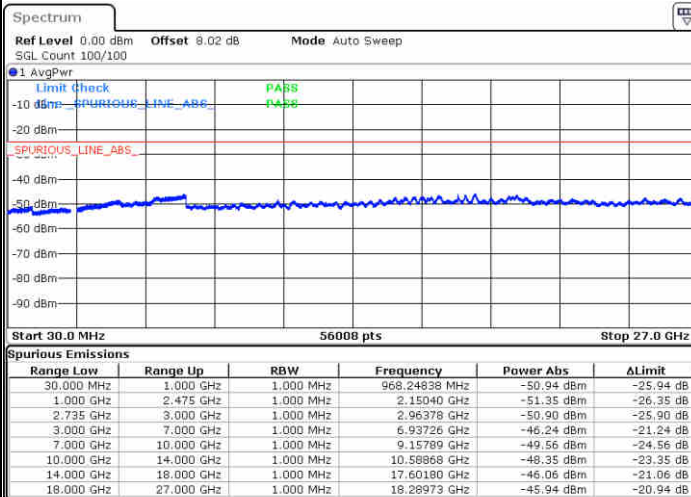
Date: 26 OCT 2019 13:19:26



Date: 26 OCT 2019 13:23:06

Highest Channel / 1RB49 and 1RB0

N/A



Date: 26 OCT 2019 13:27:59

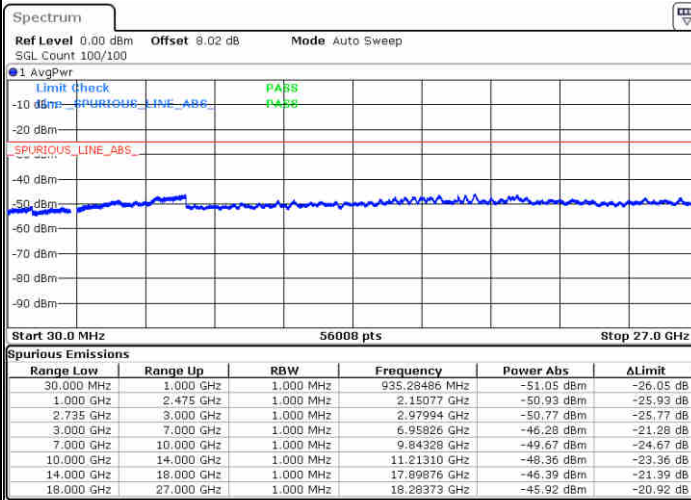


LTE Band 41 / 10MHz+20MHz

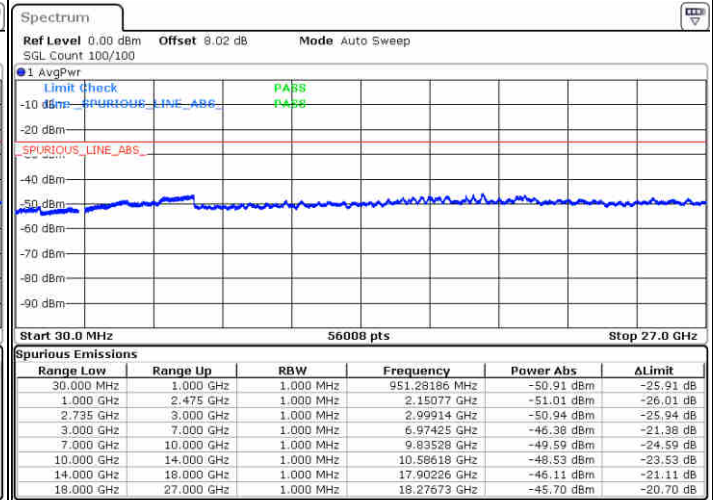
64QAM

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0



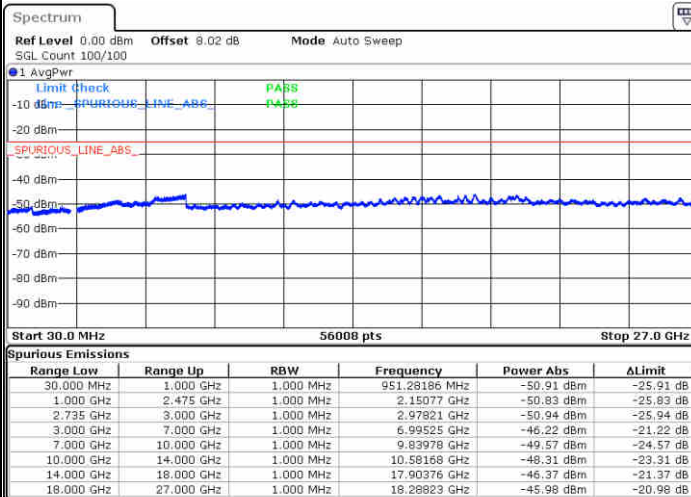
Date: 26 OCT 2019 13:20:36



Date: 26 OCT 2019 13:22:07

Highest Channel /1RB49 and 1RB0

N/A



Date: 26 OCT 2019 13:29:14

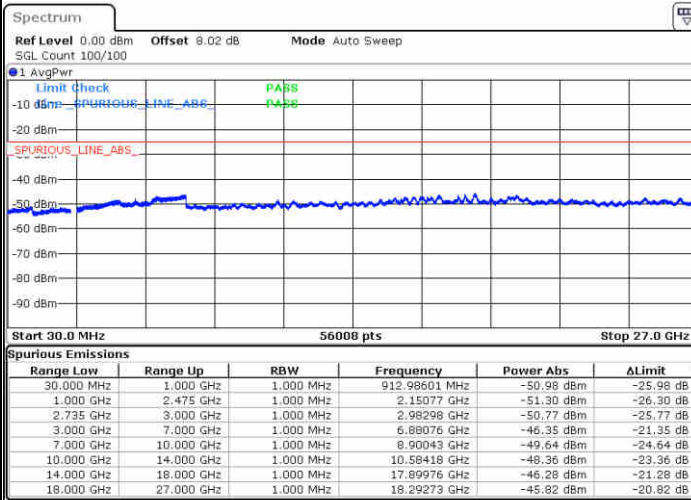


LTE Band 41 / 15MHz+10MHz

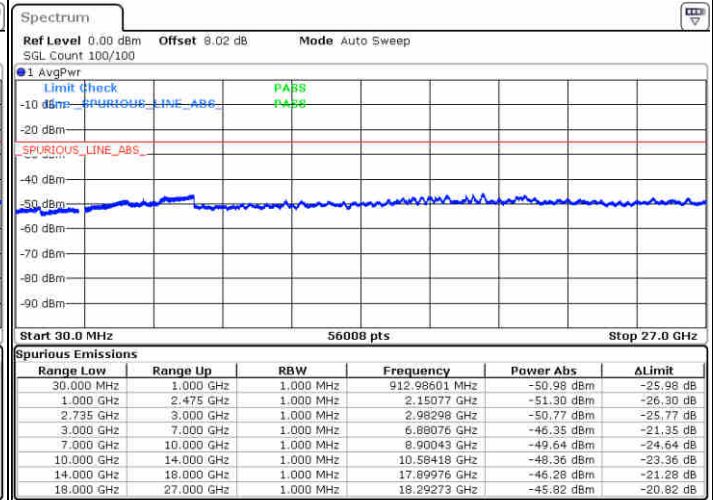
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



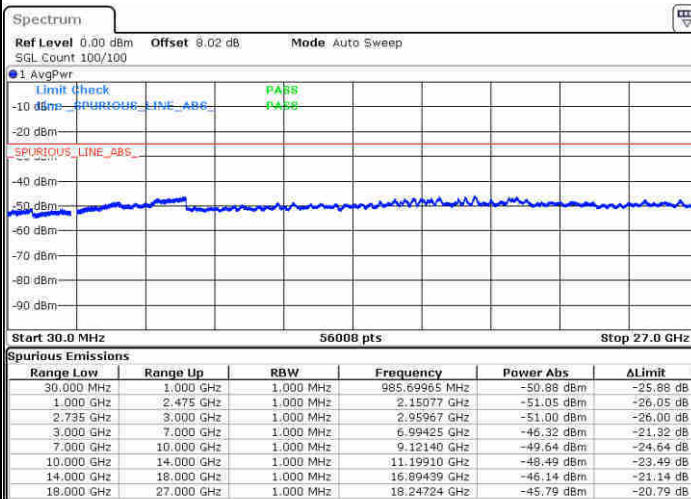
Date: 26 OCT 2019 11:48:31



Date: 26 OCT 2019 11:48:31

Highest Channel / 1RB74 and 1RB0

N/A



Date: 26 OCT 2019 11:58:26

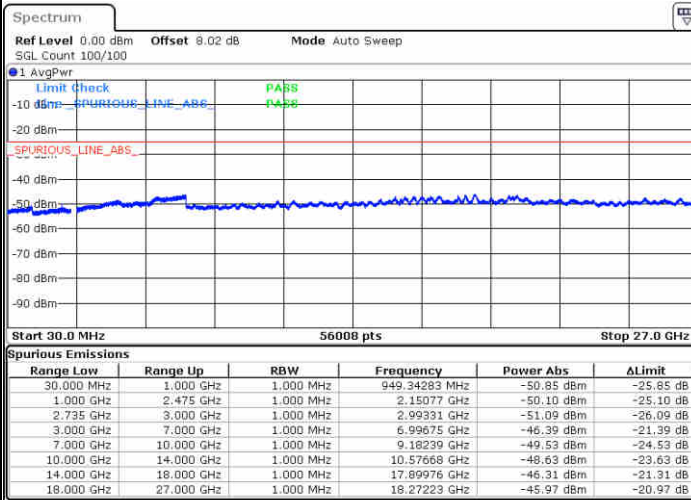


LTE Band 41 / 15MHz+10MHz

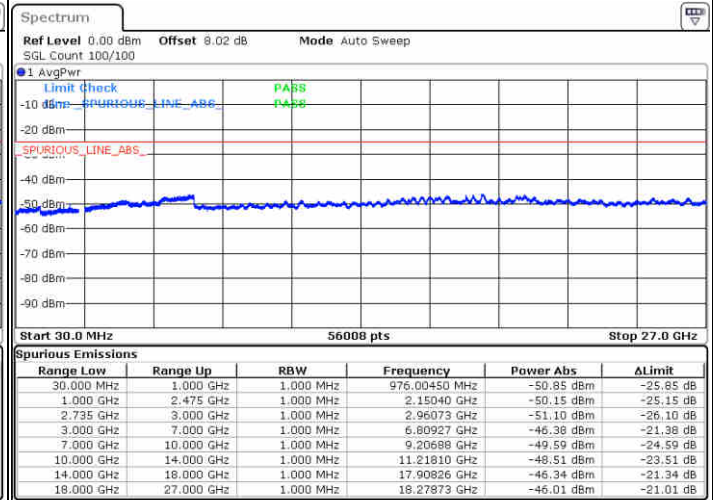
16QAM

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



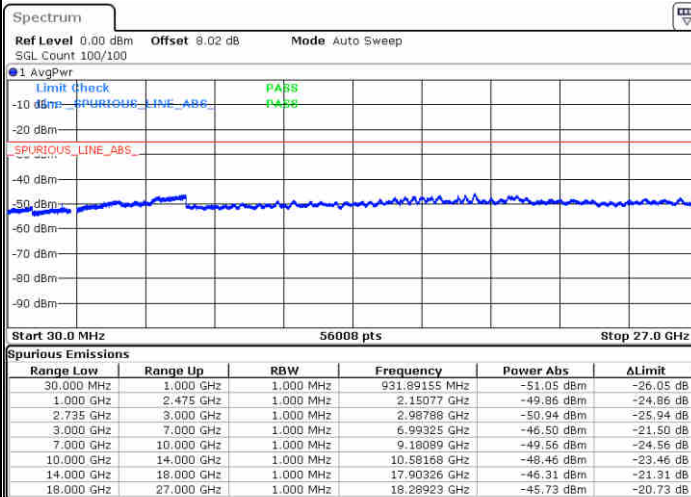
Date: 26 OCT 2019 11:53:40



Date: 26 OCT 2019 11:54:40

Highest Channel / 1RB74 and 1RB0

N/A



Date: 26 OCT 2019 11:57:57

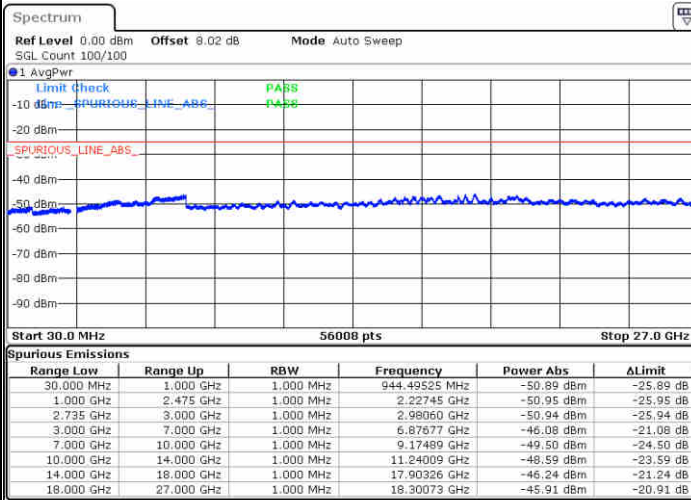


LTE Band 41 / 15MHz+10MHz

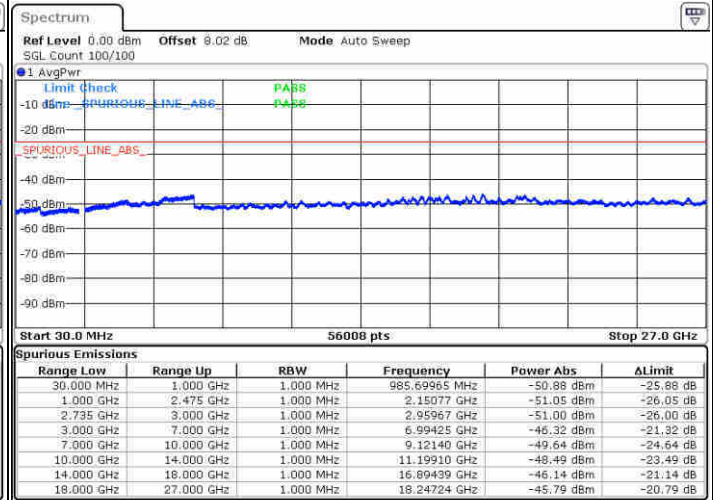
64QAM

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



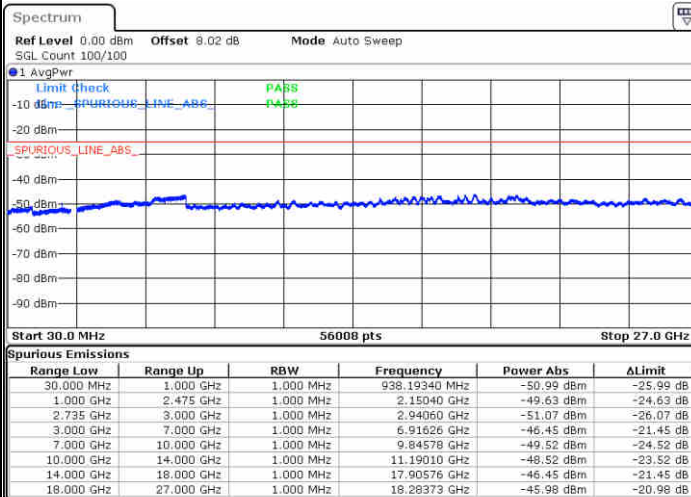
Date: 26 OCT 2019 11:50:52



Date: 26 OCT 2019 11:56:26

Highest Channel / 1RB74 and 1RB0

N/A



Date: 26 OCT 2019 11:59:17

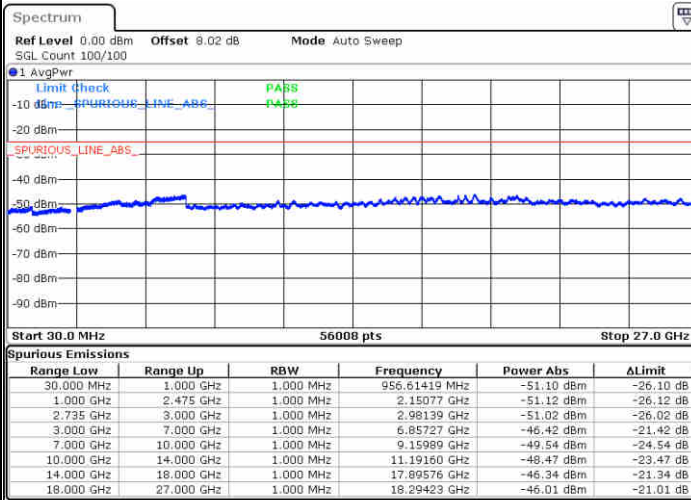


LTE Band 41 / 15MHz+15MHz

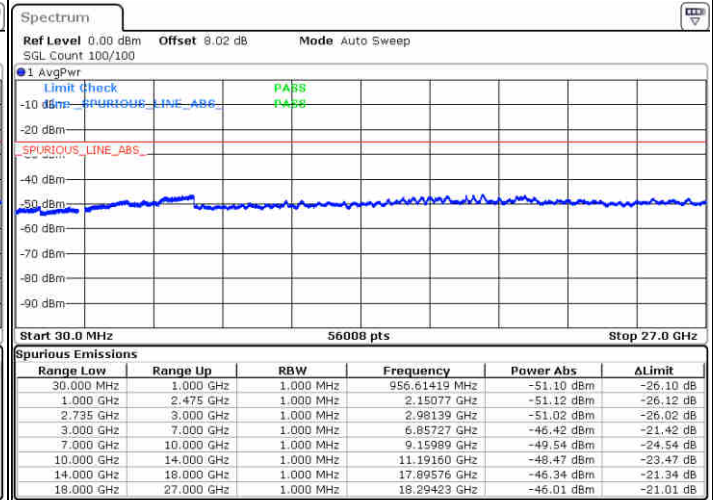
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle / 1RB74 and 1RB0



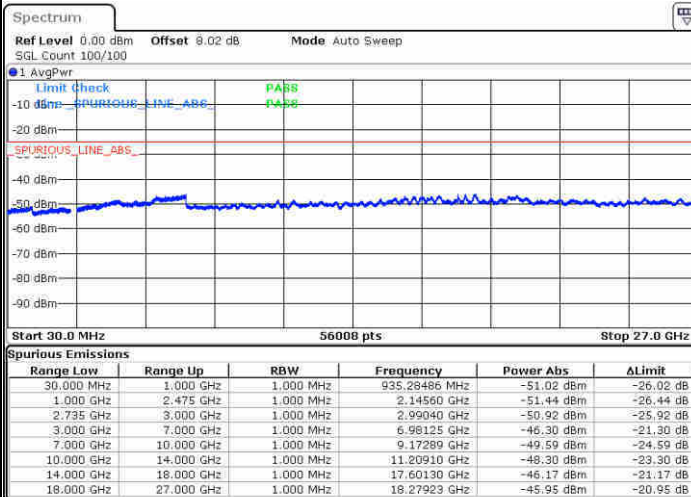
Date: 26 OCT 2019 14:59:28



Date: 26 OCT 2019 14:59:28

Highest Channel /1RB74 and 1RB0

N/A



Date: 26 OCT 2019 15:08:41

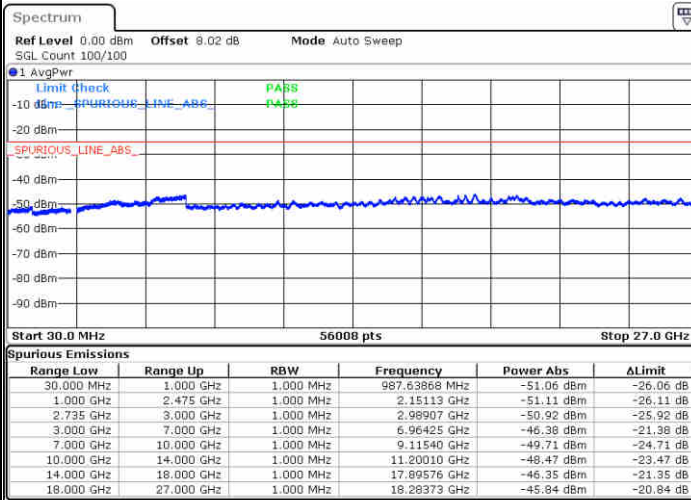


LTE Band 41 / 15MHz+15MHz

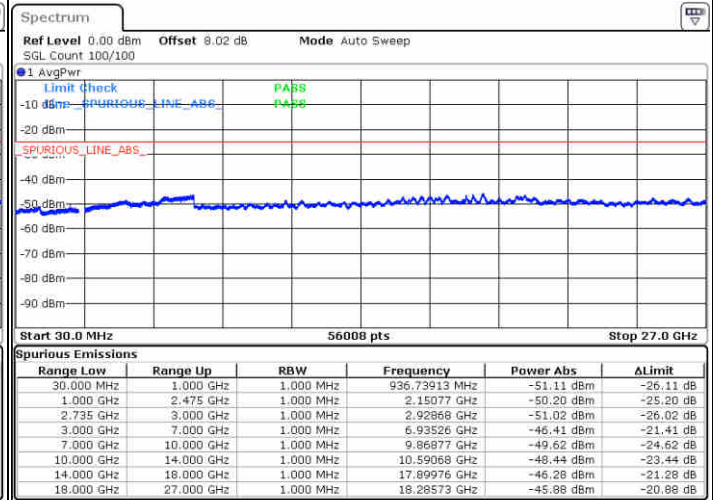
16QAM

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



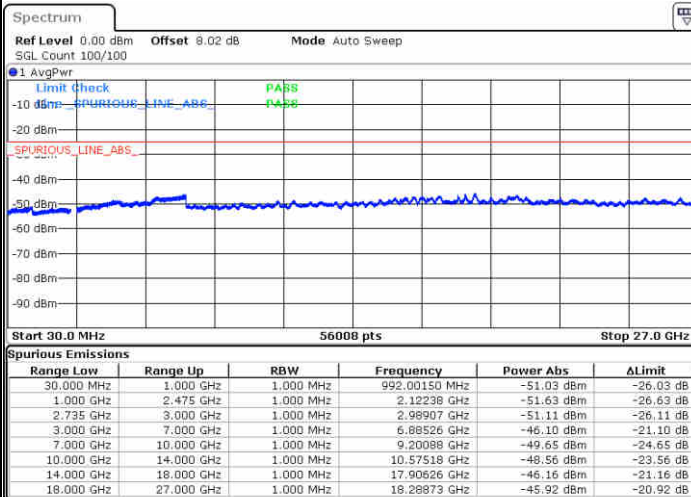
Date: 26 OCT 2019 14:58:14



Date: 26 OCT 2019 15:00:55

Highest Channel /1RB74 and 1RB0

N/A



Date: 26 OCT 2019 15:06:46

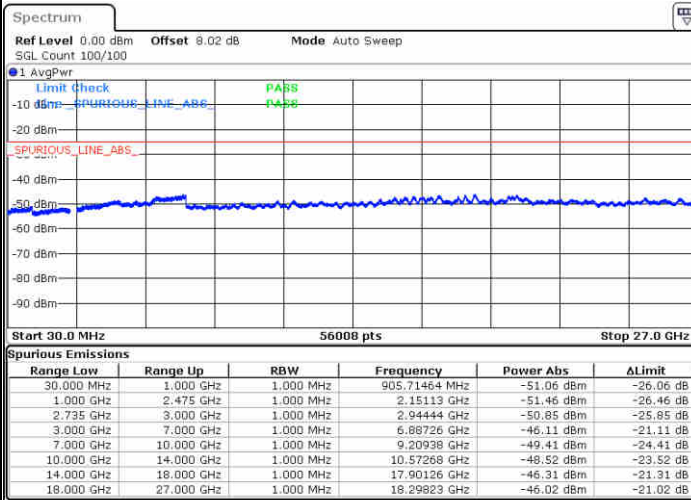


LTE Band 41 / 15MHz+15MHz

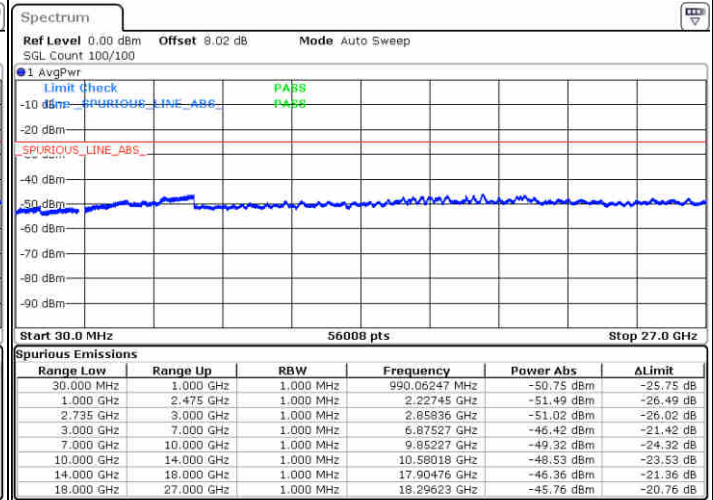
64QAM

Lowest Channel / 1RB74 and 1RB0

Middle Channel /1RB74 and 1RB0



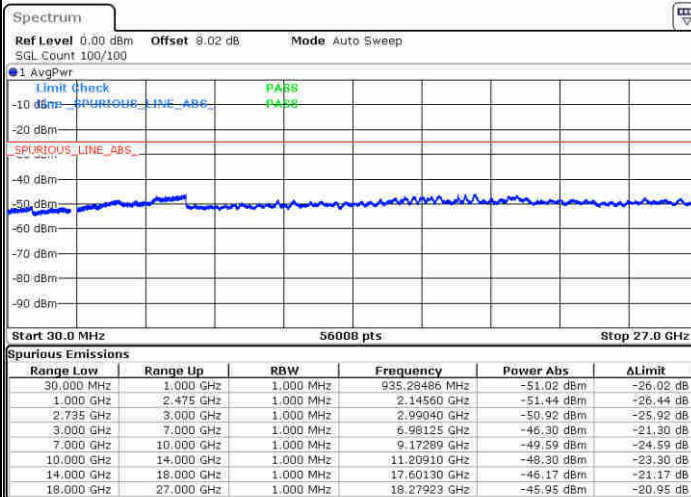
Date: 26 OCT 2019 14:57:02



Date: 26 OCT 2019 15:03:32

Highest Channel 1RB74 and 1RB0

N/A



Date: 26 OCT 2019 15:08:41

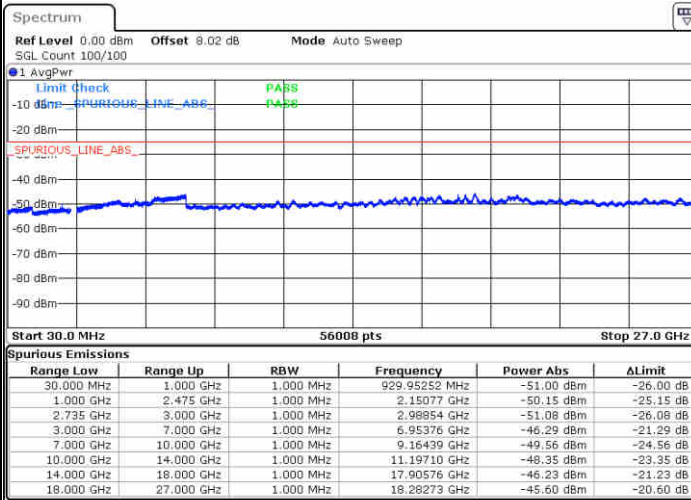


LTE Band 41 / 15MHz+20MHz

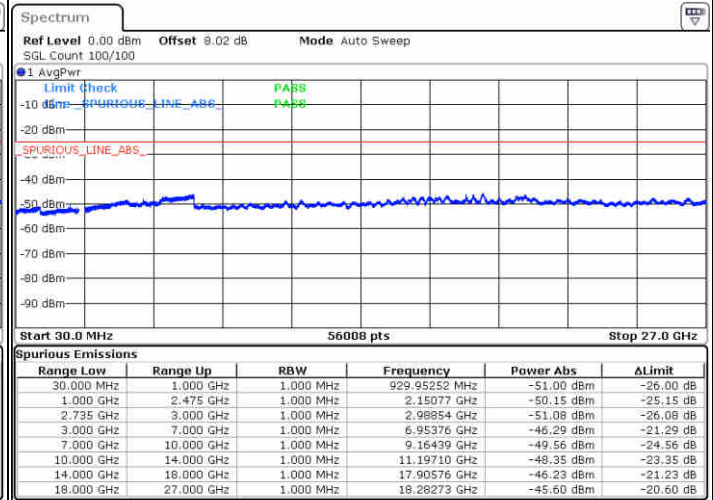
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



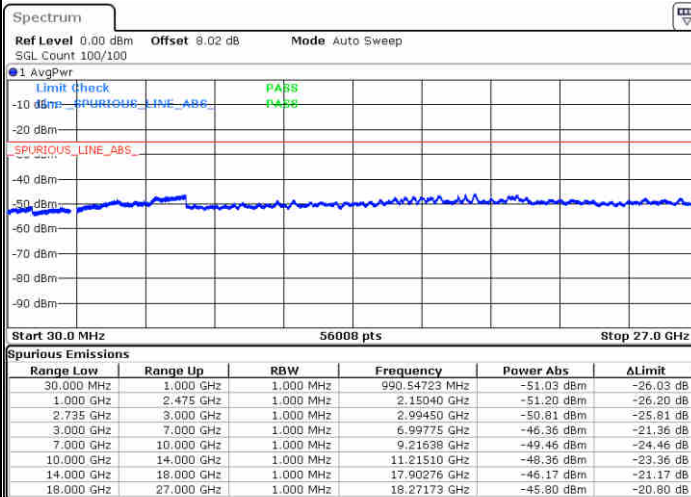
Date: 26 OCT 2019 15:33:02



Date: 26 OCT 2019 15:33:02

Highest Channel / 1RB74 and 1RB0

N/A



Date: 26 OCT 2019 15:42:59

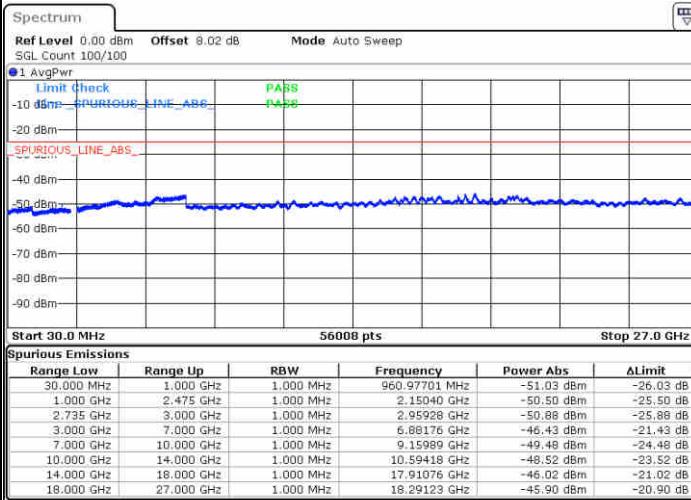


LTE Band 41 / 15MHz+20MHz

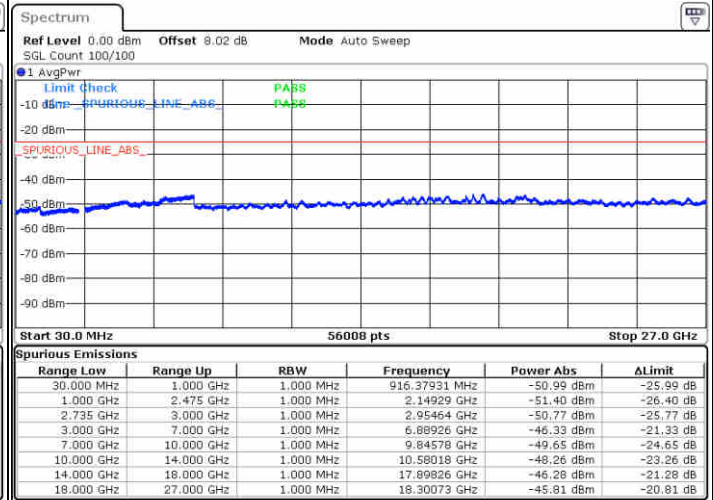
16QAM

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



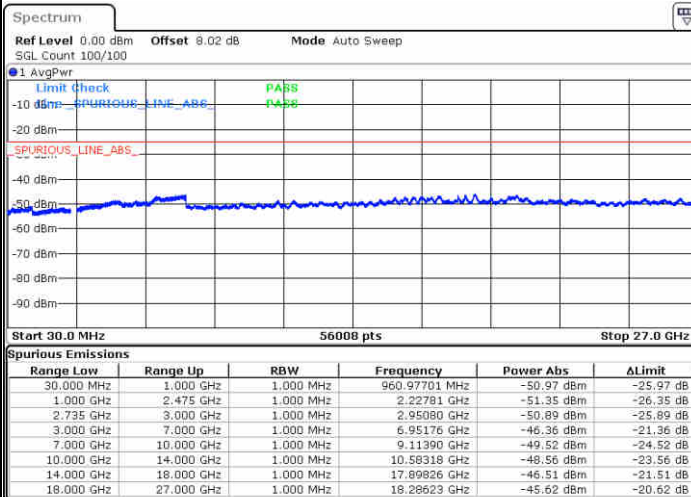
Date: 26 OCT 2019 15:34:39



Date: 26 OCT 2019 15:40:20

Highest Channel / 1RB74 and 1RB0

N/A



Date: 26 OCT 2019 15:44:26

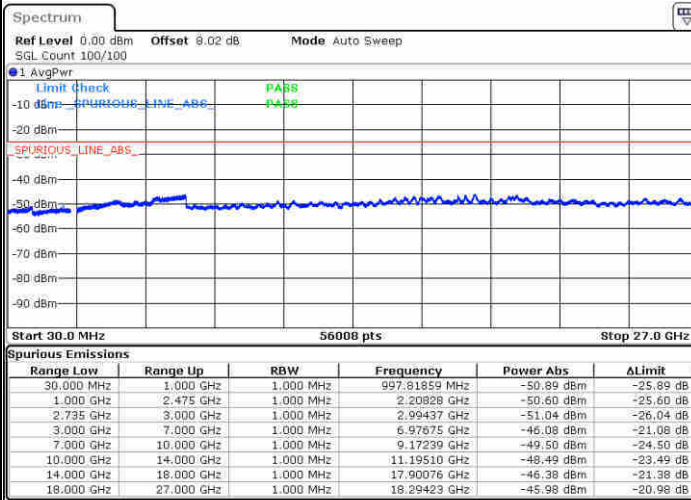


LTE Band 41 / 15MHz+20MHz

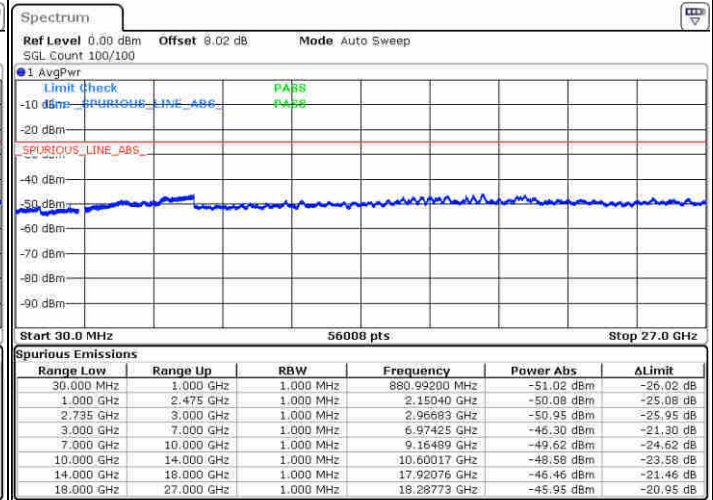
64QAM

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



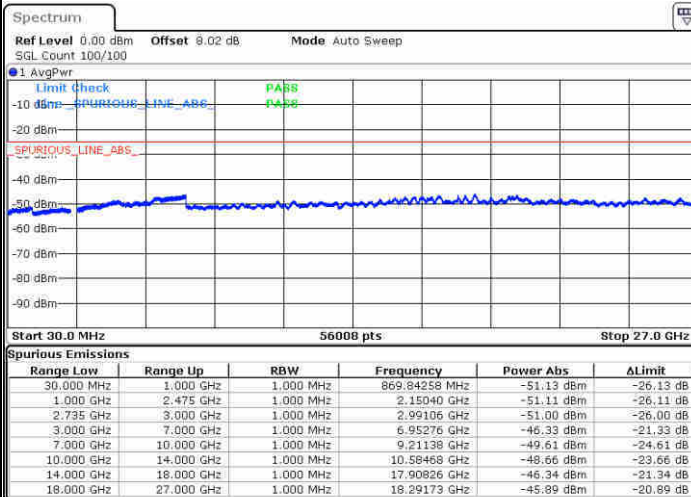
Date: 26 OCT 2019 10:50:05



Date: 26 OCT 2019 10:51:52

Highest Channel / 1RB74 and 1RB0

N/A



Date: 26 OCT 2019 10:58:26

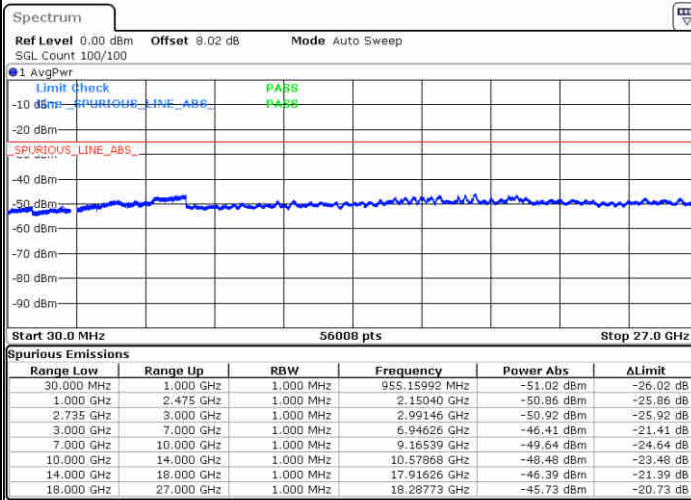


LTE Band 41 / 20MHz+5MHz

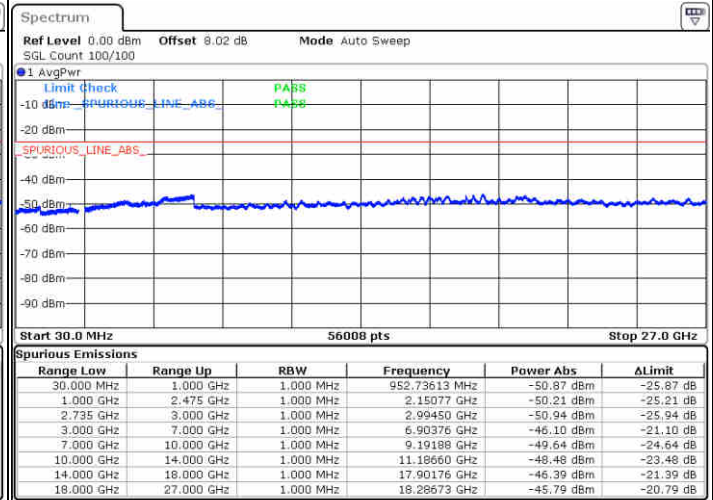
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



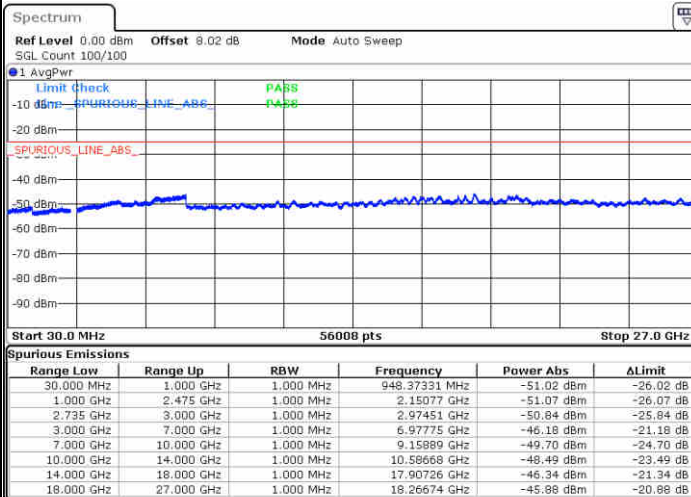
Date: 26 OCT 2019 10:47:32



Date: 26 OCT 2019 10:54:34

Highest Channel /1RB99 and 1RB0

N/A



Date: 26 OCT 2019 10:56:01

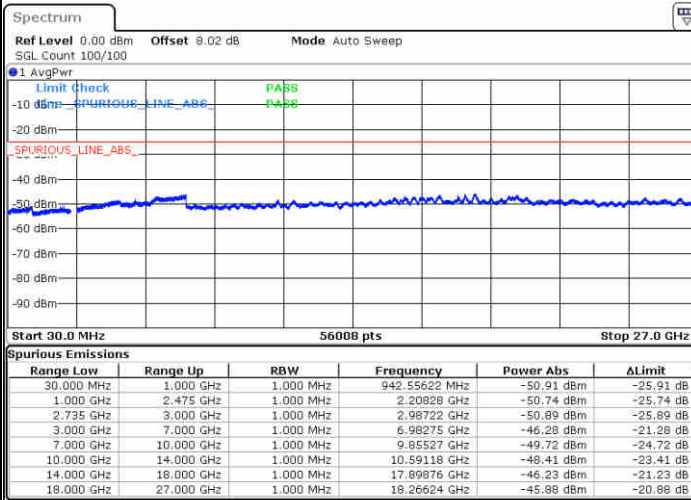


LTE Band 41 / 20MHz+5MHz

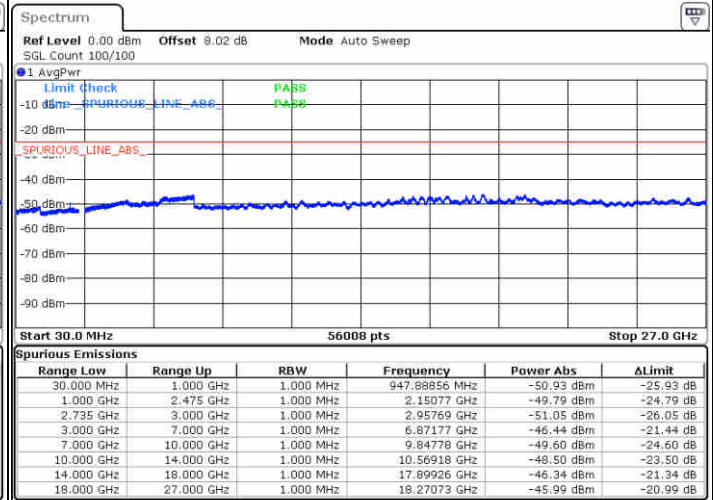
16QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



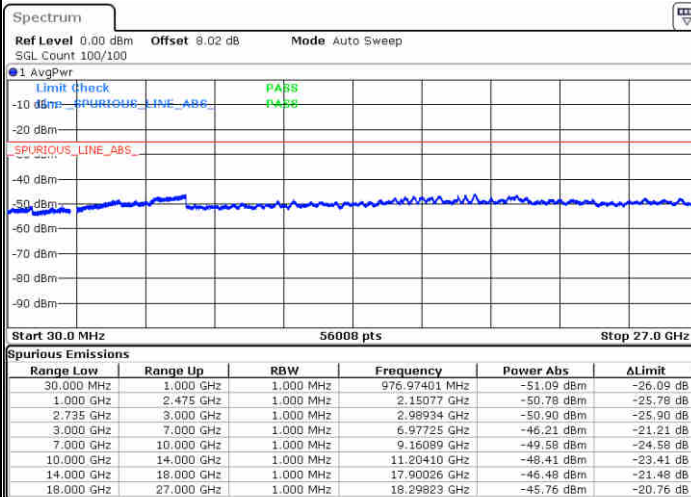
Date: 26 OCT 2019 10:48:46



Date: 26 OCT 2019 10:53:33

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 10:57:13

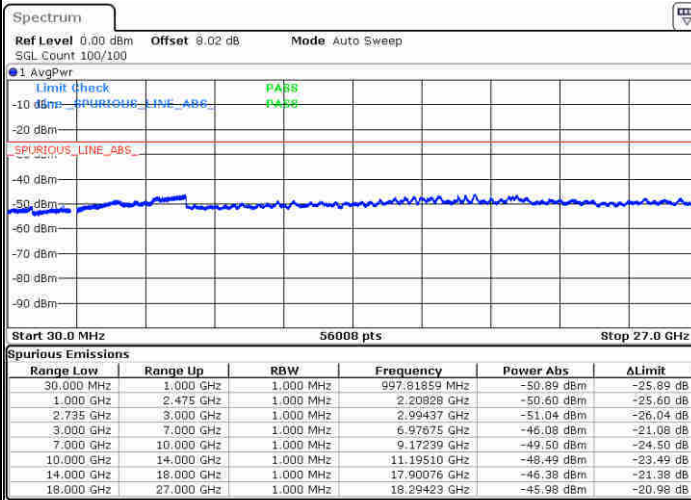


LTE Band 41 / 20MHz+5MHz

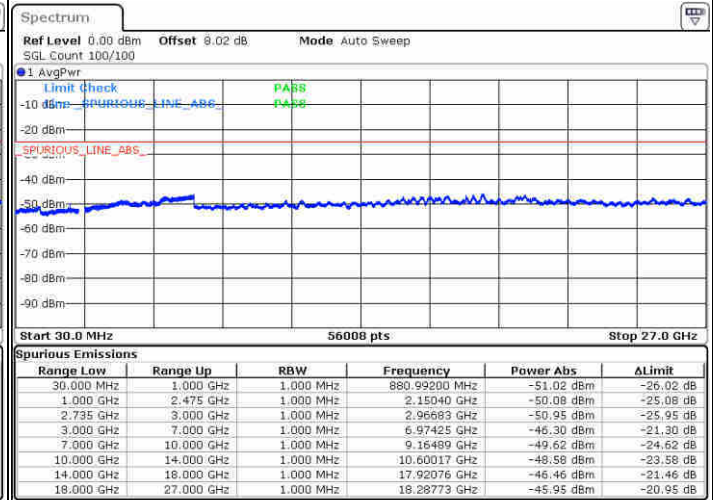
64QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



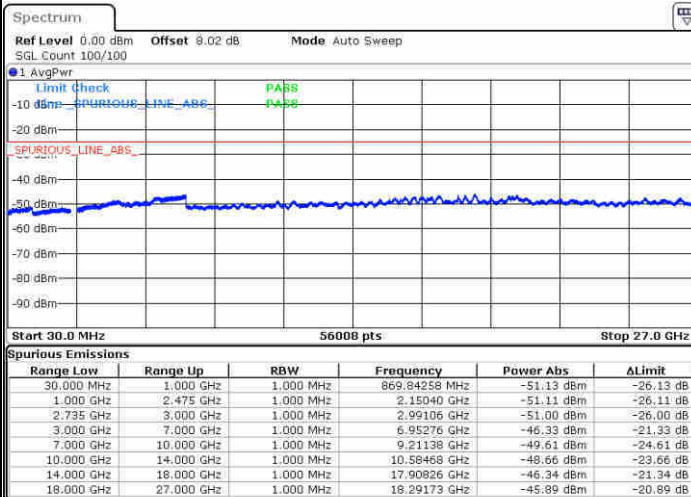
Date: 26 OCT 2019 10:50:05



Date: 26 OCT 2019 10:51:52

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 10:58:26

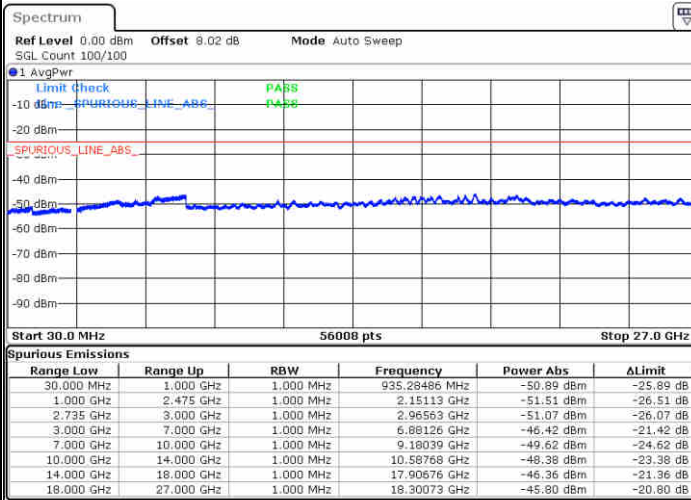


LTE Band 41 / 20MHz+10MHz

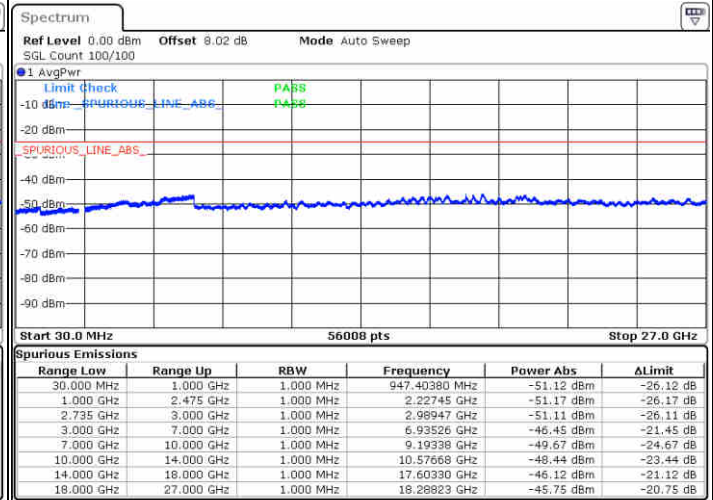
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



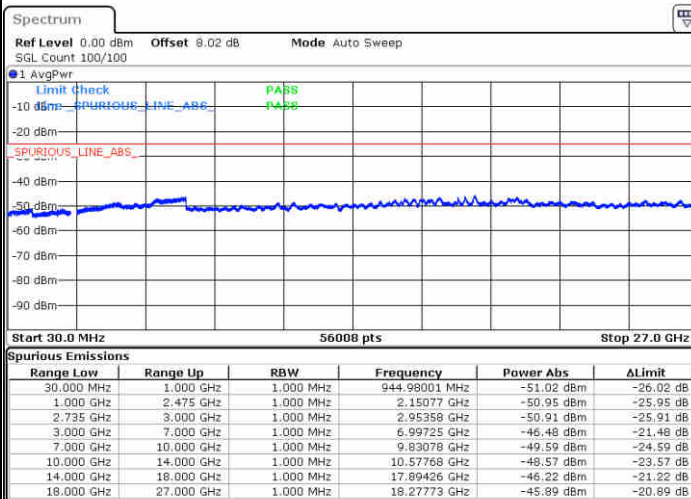
Date: 26 OCT 2019 14:28:11



Date: 26 OCT 2019 14:34:55

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 14:36:31

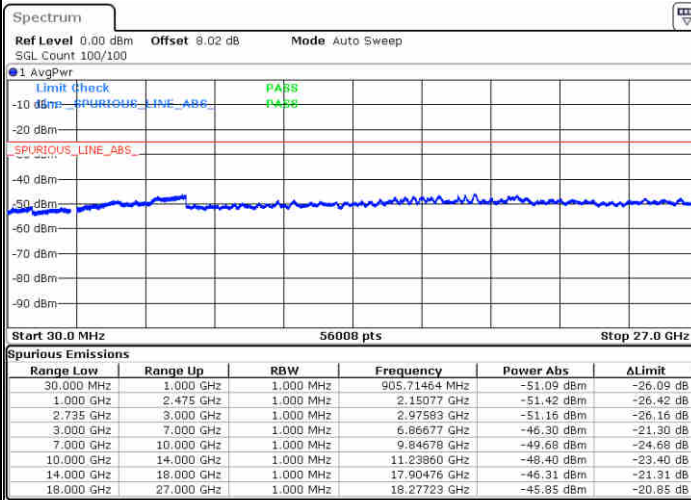


LTE Band 41 / 20MHz+10MHz

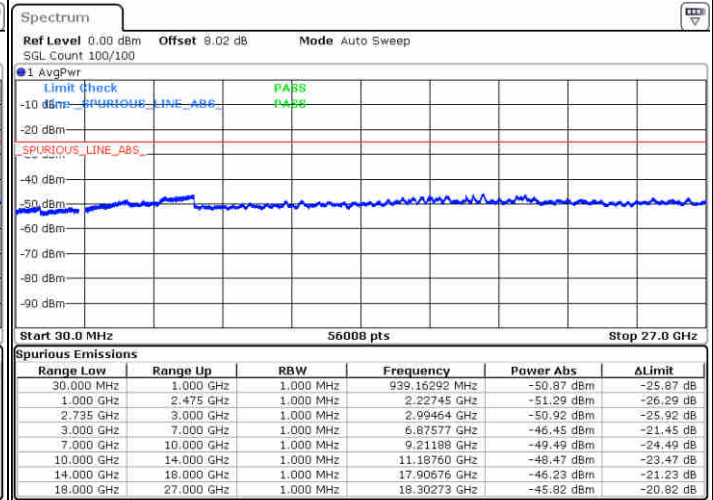
16QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



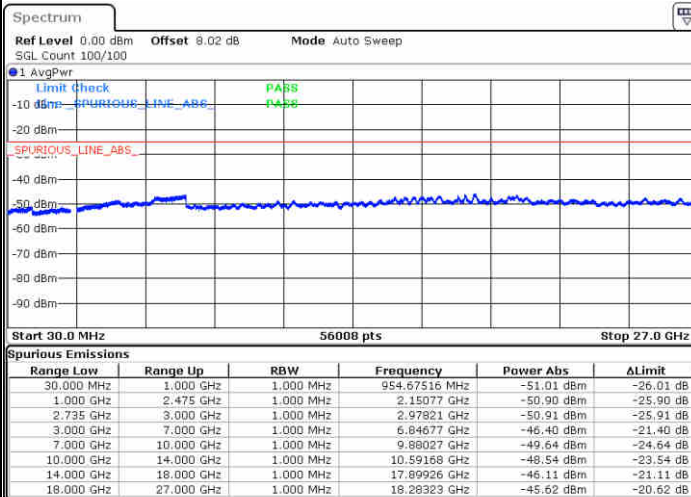
Date: 26 OCT 2019 14:29:37



Date: 26 OCT 2019 14:33:44

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 14:37:46

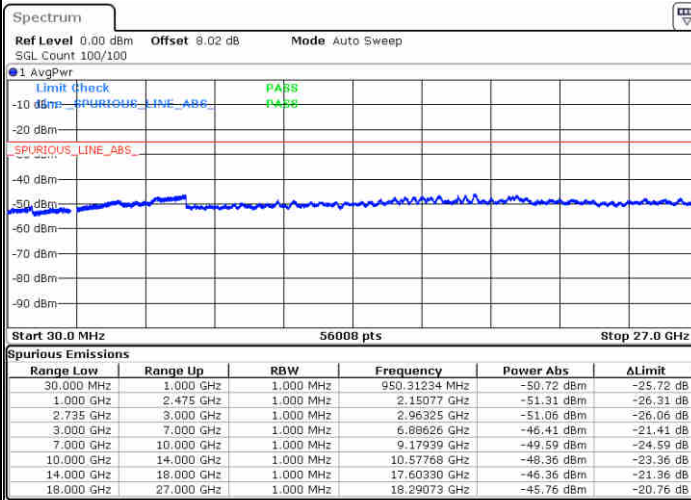


LTE Band 41 / 20MHz+10MHz

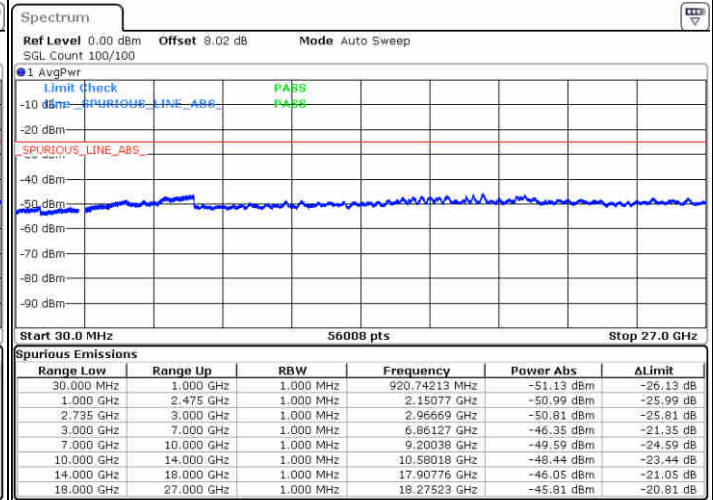
64QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



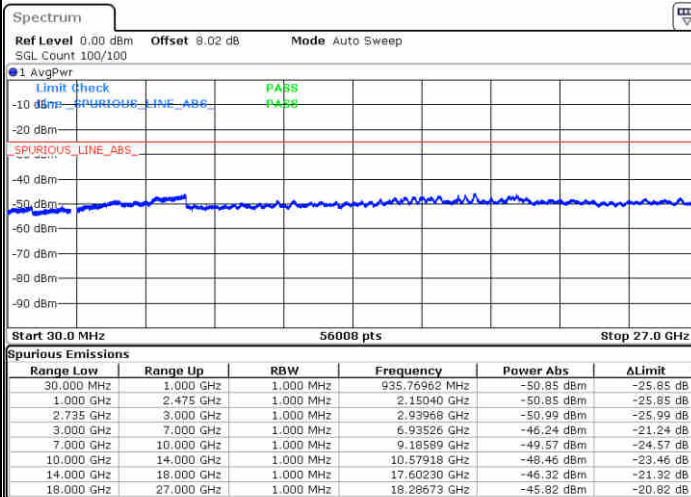
Date: 26 OCT 2019 14:31:02



Date: 26 OCT 2019 14:32:19

Highest Channel /1RB99 and 1RB0

N/A



Date: 26 OCT 2019 14:39:10

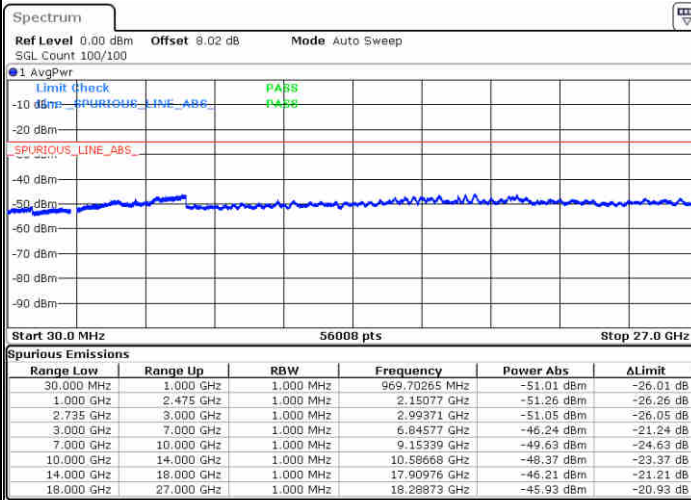


LTE Band 41 / 20MHz+15MHz

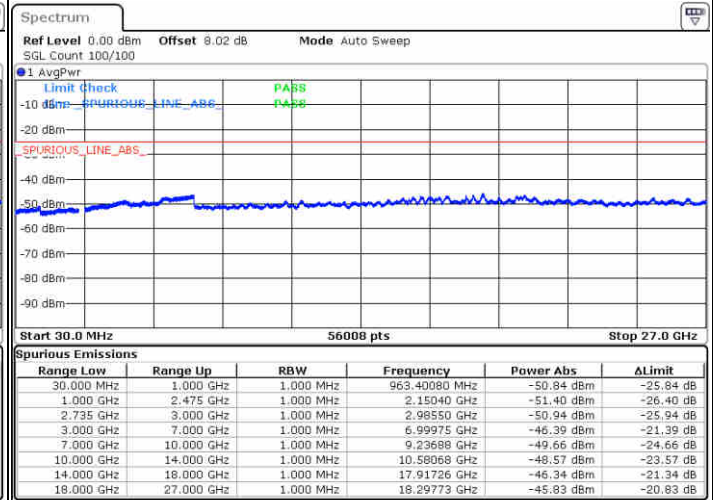
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



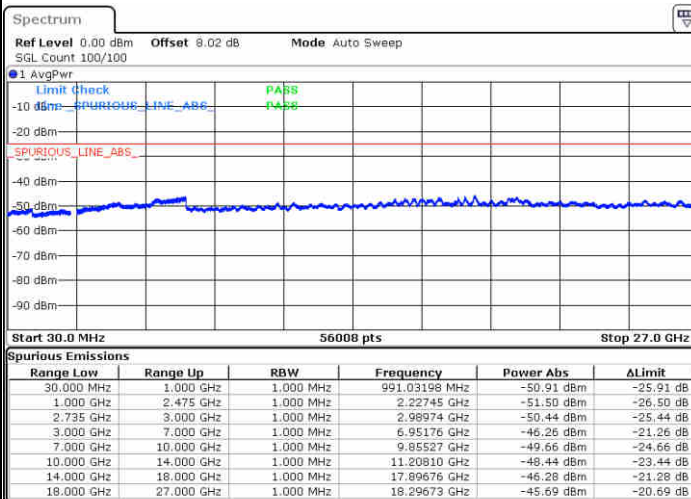
Date: 26 OCT 2019 16:06:40



Date: 26 OCT 2019 16:14:15

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 16:16:34

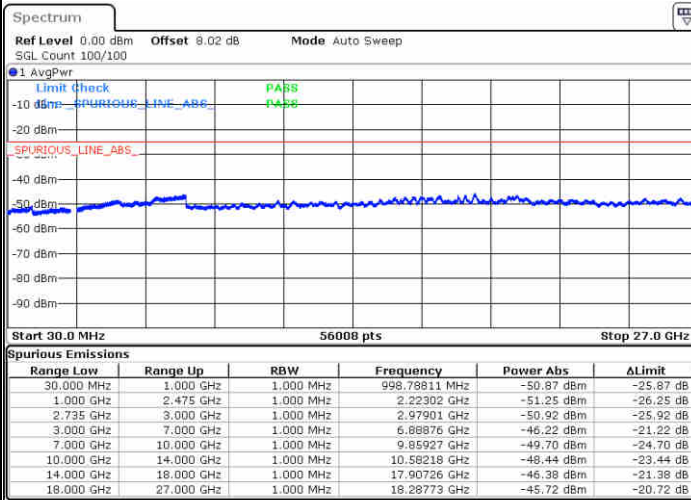


LTE Band 41 / 20MHz+15MHz

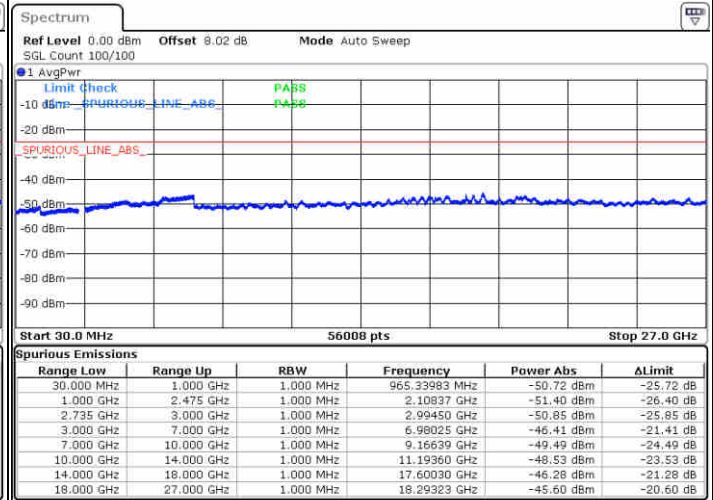
16QAM

Lowest Channel /1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



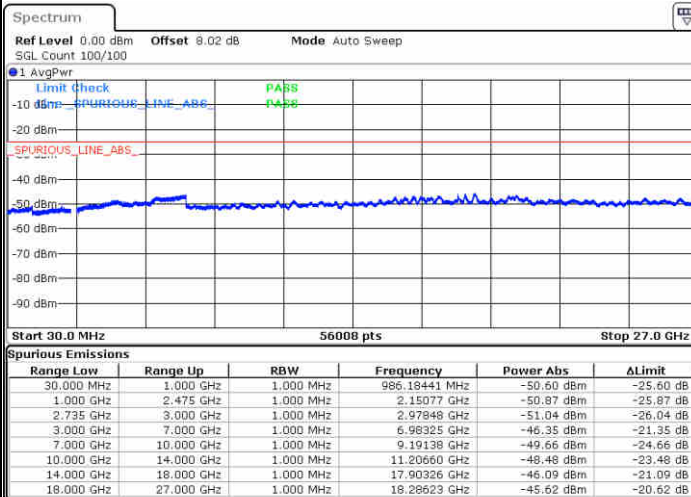
Date: 26 OCT 2019 16:07:58



Date: 26 OCT 2019 16:13:19

Highest Channel /1RB99 and 1RB0

N/A



Date: 26 OCT 2019 16:18:07

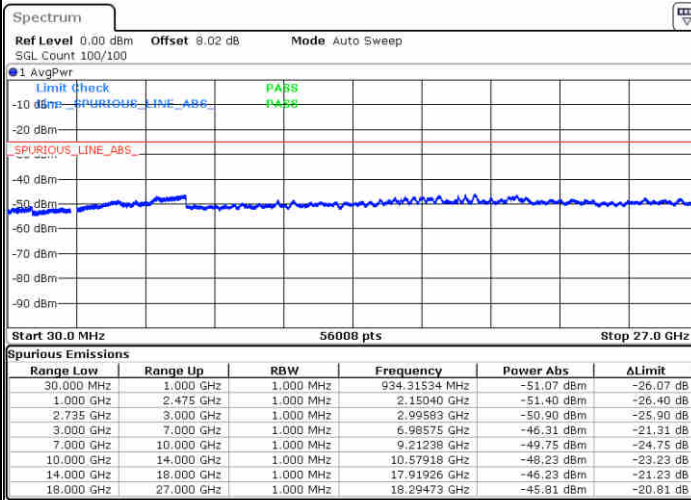


LTE Band 41 / 20MHz+15MHz

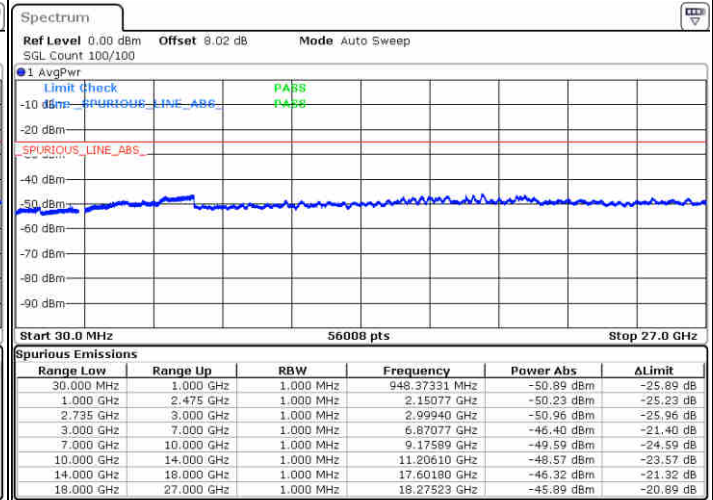
64QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



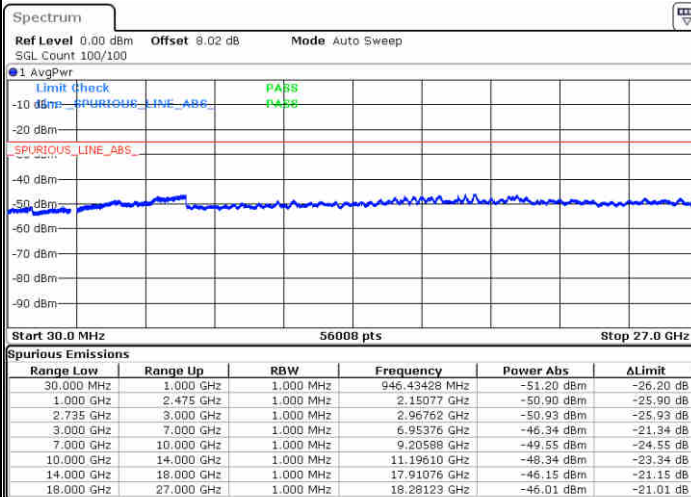
Date: 26 OCT 2019 16:09:11



Date: 26 OCT 2019 16:11:38

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 16:19:23

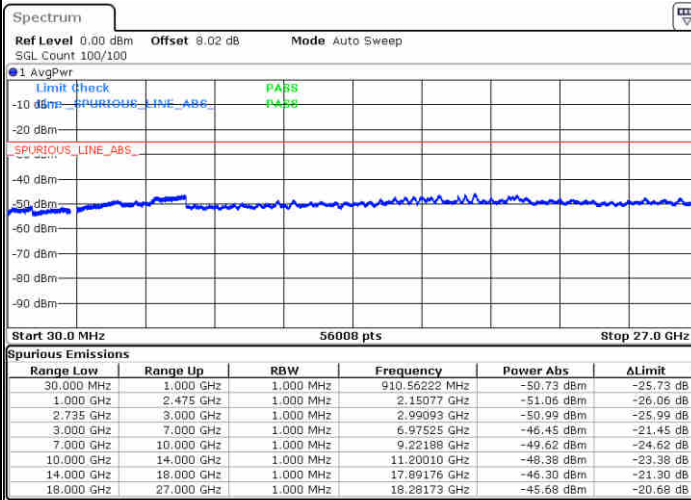


LTE Band 41 / 20MHz+20MHz

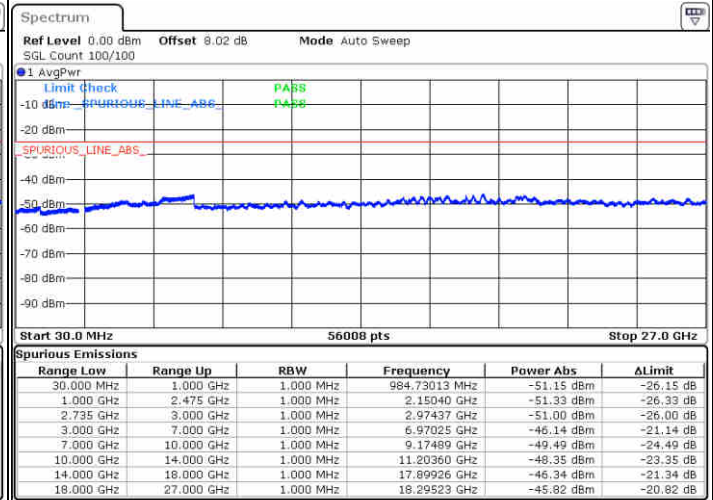
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



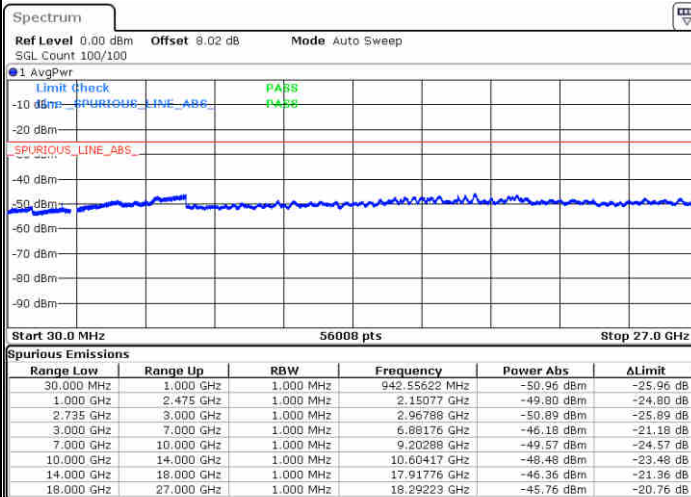
Date: 26 OCT 2019 16:44:30



Date: 26 OCT 2019 16:51:42

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 16:53:39

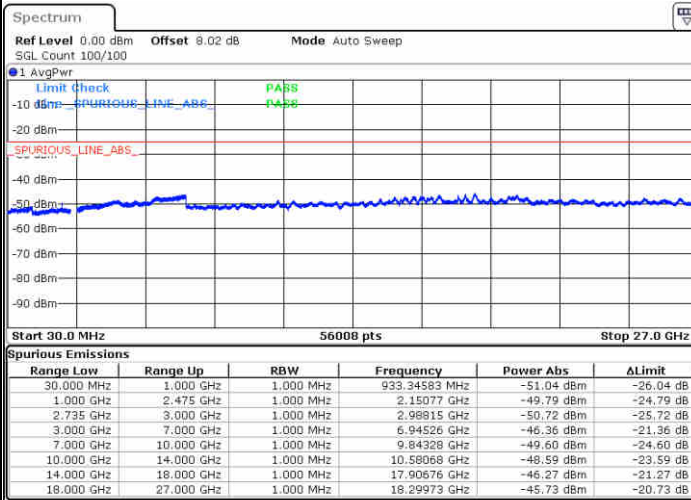


LTE Band 41 / 20MHz+20MHz

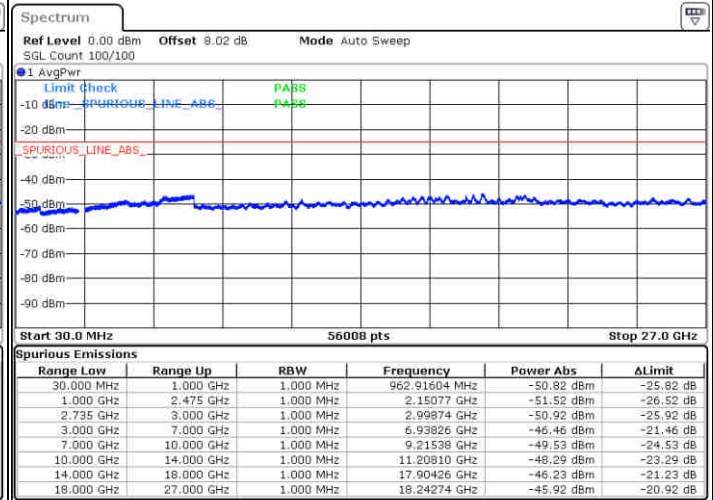
16QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



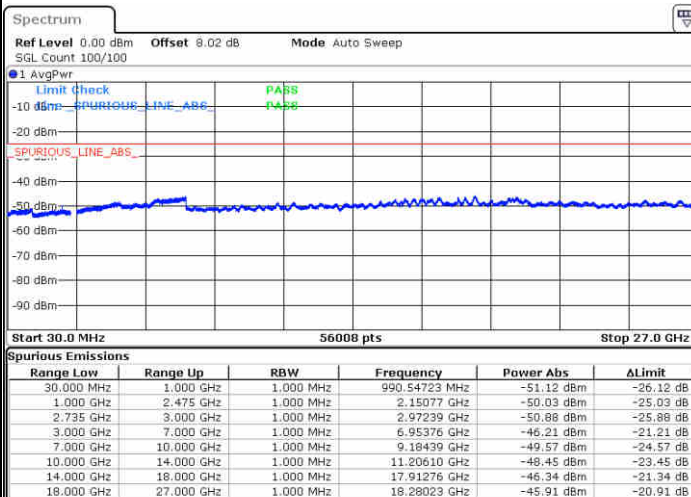
Date: 26 OCT 2019 16:45:46



Date: 26 OCT 2019 16:50:41

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 16:54:53

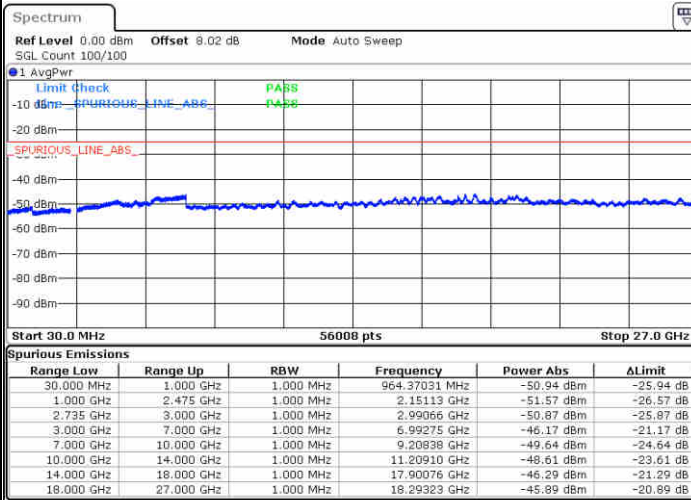


LTE Band 41 / 20MHz+20MHz

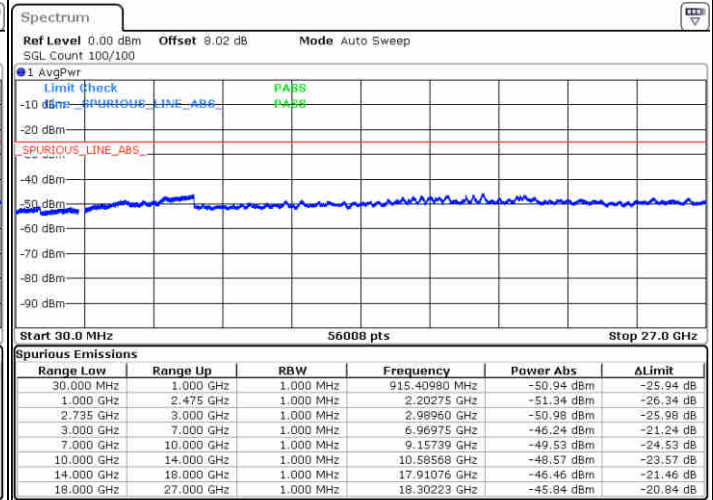
64QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



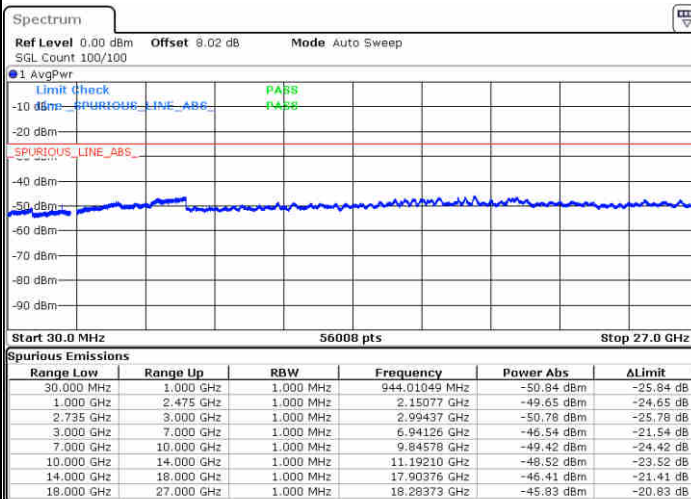
Date: 26 OCT 2019 16:47:01



Date: 26 OCT 2019 16:49:37

Highest Channel / 1RB99 and 1RB0

N/A



Date: 26 OCT 2019 16:56:13



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-63.66	-25	-38.66	-73.87	3.03	13.24	H
	7504	-56.14	-25	-31.14	-65.59	3.56	13.01	H
	10000	-57.42	-25	-32.42	-66.94	3.92	13.44	H
	5000	-61.81	-25	-36.81	-72.02	3.03	13.24	V
	7504	-59.81	-25	-34.81	-69.26	3.56	13.01	V
	10000	-58.57	-25	-33.57	-68.09	3.92	13.44	V
Middle	5052	-59.21	-25	-34.21	-69.42	3.03	13.24	H
	7576	-55.22	-25	-30.22	-64.67	3.56	13.01	H
	10100	-57.39	-25	-32.39	-66.91	3.92	13.44	H
	5052	-60.52	-25	-35.52	-70.73	3.03	13.24	V
	7576	-59.57	-25	-34.57	-69.02	3.56	13.01	V
	10100	-58.16	-25	-33.16	-67.68	3.92	13.44	V
Highest	5104	-60.94	-25	-35.94	-71.15	3.03	13.24	H
	7652	-57.73	-25	-32.73	-67.18	3.56	13.01	H
	10200	-58.12	-25	-33.12	-67.64	3.92	13.44	H
	5100	-62.41	-25	-37.41	-72.62	3.03	13.24	V
	7653.27	-60.80	-25	-35.80	-70.25	3.56	13.01	V
	10200	-58.32	-25	-33.32	-67.84	3.92	13.44	V

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



LTE Band 41 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5004	-60.56	-25	-35.56	-70.77	3.03	13.24	H
	7504	-49.09	-25	-24.09	-58.54	3.56	13.01	H
	10000	-57.28	-25	-32.28	-66.80	3.92	13.44	H
	5004	-58.94	-25	-33.94	-69.15	3.03	13.24	V
	7504	-51.62	-25	-26.62	-61.07	3.56	13.01	V
	10000	-58.55	-25	-33.55	-68.07	3.92	13.44	V
Middle	5168	-56.42	-25	-31.42	-66.63	3.03	13.24	H
	7752	-51.59	-25	-26.59	-61.04	3.56	13.01	H
	10340	-58.36	-25	-33.36	-67.88	3.92	13.44	H
	5168	-58.87	-25	-33.87	-69.08	3.03	13.24	V
	7752	-49.90	-25	-24.90	-59.35	3.56	13.01	V
	10340	-58.28	-25	-33.28	-67.80	3.92	13.44	V
Highest	5340	-53.40	-25	-28.40	-63.61	3.03	13.24	H
	8015	-50.98	-25	-25.98	-60.43	3.56	13.01	H
	10683	-56.25	-25	-31.25	-65.77	3.92	13.44	H
	5340	-55.16	-25	-30.16	-65.37	3.03	13.24	V
	8015	-47.71	-25	-22.71	-57.16	3.56	13.01	V
	10683	-56.84	-25	-31.84	-66.36	3.92	13.44	V

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



LTE Band 66 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3423	-50.27	-13	-37.27	-61.01	2.604	13.34	H
	5133	-55.86	-13	-42.86	-66.37	3.011	13.52	H
	6840	-53.55	-13	-40.55	-63.75	3.271	13.47	H
	3423	-52.01	-13	-39.01	-62.75	2.604	13.34	V
	5133	-55.83	-13	-42.83	-66.34	3.011	13.52	V
	6840	-53.02	-13	-40.02	-63.22	3.271	13.47	V
Middle	3471	-49.40	-13	-36.40	-60.14	2.604	13.34	H
	5208	-55.05	-13	-42.05	-65.56	3.011	13.52	H
	6948	-52.41	-13	-39.41	-62.61	3.271	13.47	H
	3471	-51.84	-13	-38.84	-62.58	2.604	13.34	V
	5208	-55.26	-13	-42.26	-65.77	3.011	13.52	V
	6948	-52.09	-13	-39.09	-62.29	3.271	13.47	V
Highest	3522	-58.57	-13	-45.57	-69.31	2.604	13.34	H
	5283	-53.90	-13	-40.90	-64.41	3.011	13.52	H
	7044	-50.82	-13	-37.82	-61.02	3.271	13.47	H
	3522	-59.63	-13	-46.63	-70.37	2.604	13.34	V
	5283	-54.43	-13	-41.43	-64.94	3.011	13.52	V
	7044	-51.06	-13	-38.06	-61.26	3.271	13.47	V

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



LTE Band 71 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-65.46	-13	-52.46	-67.21	1.02	4.92	H
	1992	-57.65	-13	-44.65	-59.62	1.27	5.39	H
	2656	-62.62	-13	-49.62	-65.55	1.49	6.57	H
	3318	-62.71	-13	-49.71	-66.11	1.73	7.28	H
	1328	-65.79	-13	-52.79	-67.54	1.02	4.92	V
	1992	-55.50	-13	-42.50	-57.47	1.27	5.39	V
	2656	-62.81	-13	-49.81	-65.74	1.49	6.57	V
	3318	-60.14	-13	-47.14	-63.54	1.73	7.28	V
Middle	1348	-67.05	-13	-54.05	-68.80	1.02	4.92	H
	2022	-58.17	-13	-45.17	-60.14	1.27	5.39	H
	2696	-62.44	-13	-49.44	-65.37	1.49	6.57	H
	3372	-61.57	-13	-48.57	-64.97	1.73	7.28	H
	1348	-65.63	-13	-52.63	-67.38	1.02	4.92	V
	2022	-55.74	-13	-42.74	-57.71	1.27	5.39	V
	2696	-62.68	-13	-49.68	-65.61	1.49	6.57	V
	3372	-60.08	-13	-47.08	-63.48	1.73	7.28	V
Highest	1358.18	-66.69	-13	-53.69	-68.44	1.02	4.92	H
	2038	-59.10	-13	-46.10	-61.07	1.27	5.39	H
	2716	-62.24	-13	-49.24	-65.17	1.49	6.57	H
	3396	-62.22	-13	-49.22	-65.62	1.73	7.28	H
	1358	-66.27	-13	-53.27	-68.02	1.02	4.92	V
	2038	-54.79	-13	-41.79	-56.76	1.27	5.39	V
	2716	-62.89	-13	-49.89	-65.82	1.49	6.57	V
	3396	-61.15	-13	-48.15	-64.55	1.73	7.28	V

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



LTE Band 41_CA / 20MHz+20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4996	-60.77	-25	-35.77	-70.98	3.03	13.24	H
	7492	-44.92	-25	-19.92	-54.37	3.56	13.01	H
	9990	-56.83	-25	-31.83	-66.35	3.92	13.44	H
	4996	-62.28	-25	-37.28	-72.49	3.03	13.24	V
	7492	-47.39	-25	-22.39	-56.84	3.56	13.01	V
	9990	-58.07	-25	-33.07	-67.59	3.92	13.44	V
Middle	5148	-57.03	-25	-32.03	-67.24	3.03	13.24	H
	7724	-47.57	-25	-22.57	-57.02	3.56	13.01	H
	10300	-57.20	-25	-32.20	-66.72	3.92	13.44	H
	5148	-60.02	-25	-35.02	-70.23	3.03	13.24	V
	7724	-46.15	-25	-21.15	-55.60	3.56	13.01	V
	10300	-57.47	-25	-32.47	-66.99	3.92	13.44	V
Highest	5304	-55.87	-25	-30.87	-66.08	3.03	13.24	H
	7952	-55.65	-25	-30.65	-65.10	3.56	13.01	H
	10610	-56.08	-25	-31.08	-65.60	3.92	13.44	H
	5304	-61.43	-25	-36.43	-71.64	3.03	13.24	V
	7952	-49.01	-25	-24.01	-58.46	3.56	13.01	V
	10610	-56.27	-25	-31.27	-65.79	3.92	13.44	V

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