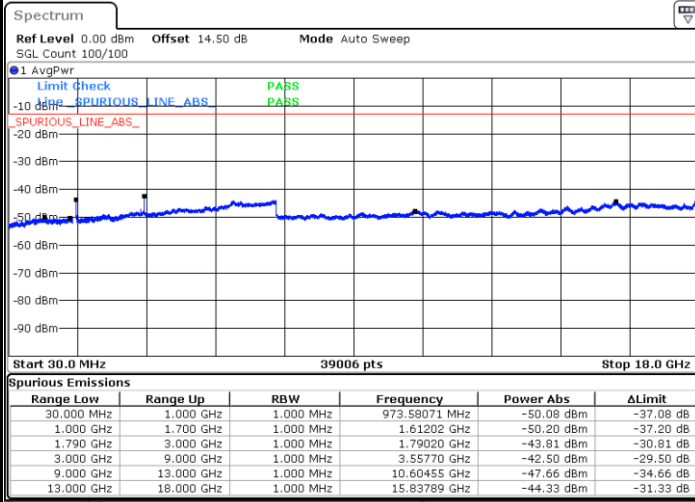




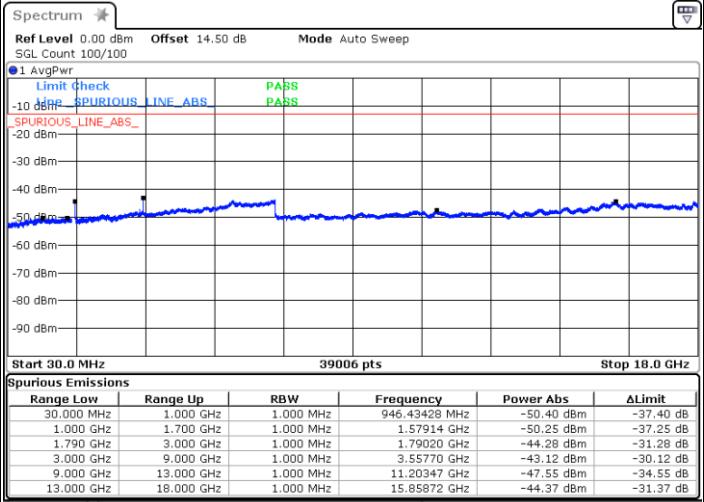
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 5.FEB.2021 16:15:35

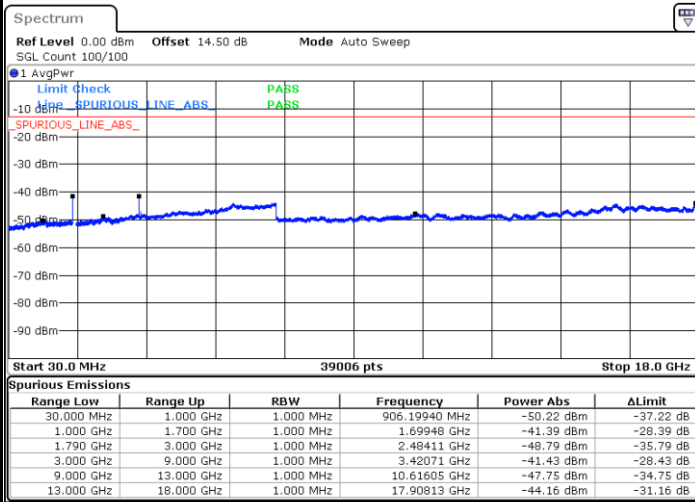
Highest Channel / 16QAM



Date: 5.FEB.2021 16:20:50

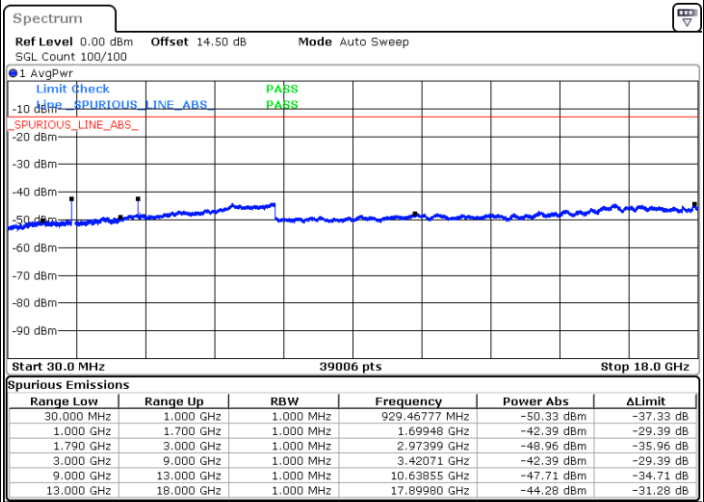
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 5.FEB.2021 16:45:28

Lowest Channel / 16QAM



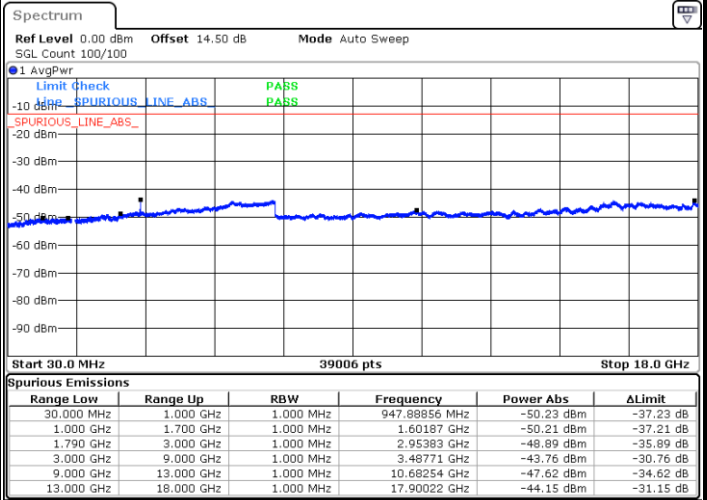
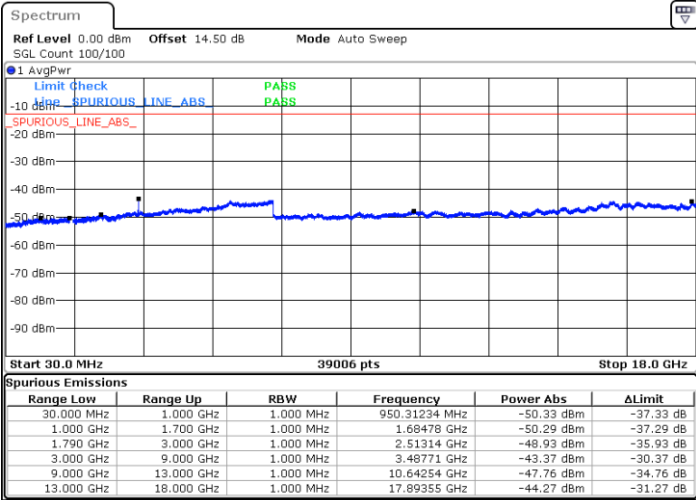
Date: 5.FEB.2021 16:43:50



LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

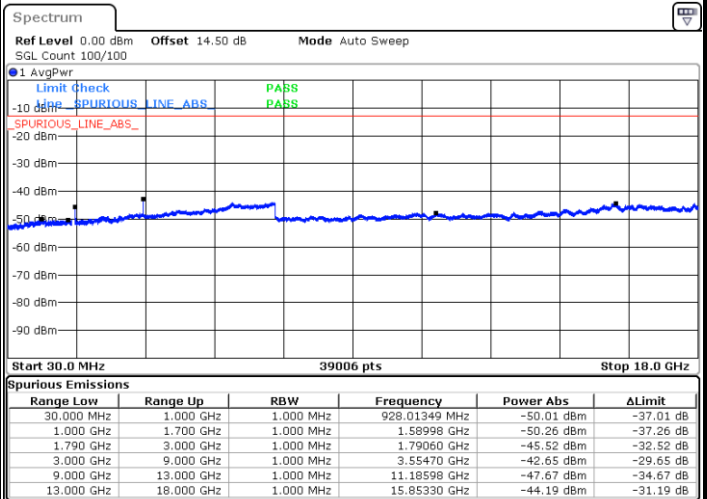
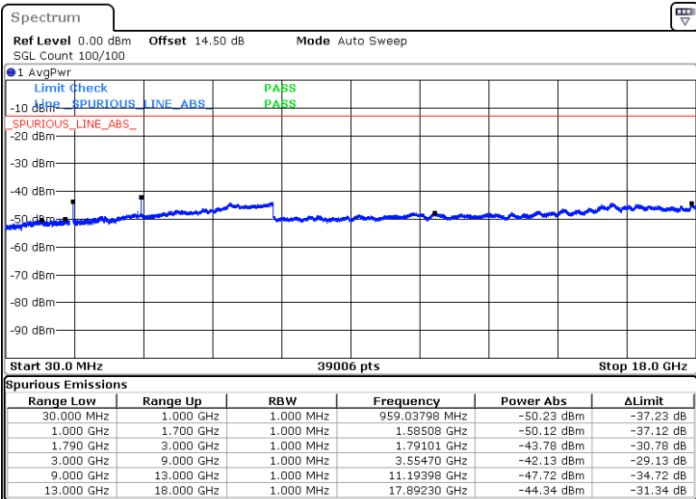


Date: 5.FEB.2021 17:16:50

Date: 5.FEB.2021 17:17:55

Highest Channel / QPSK

Highest Channel / 16QAM



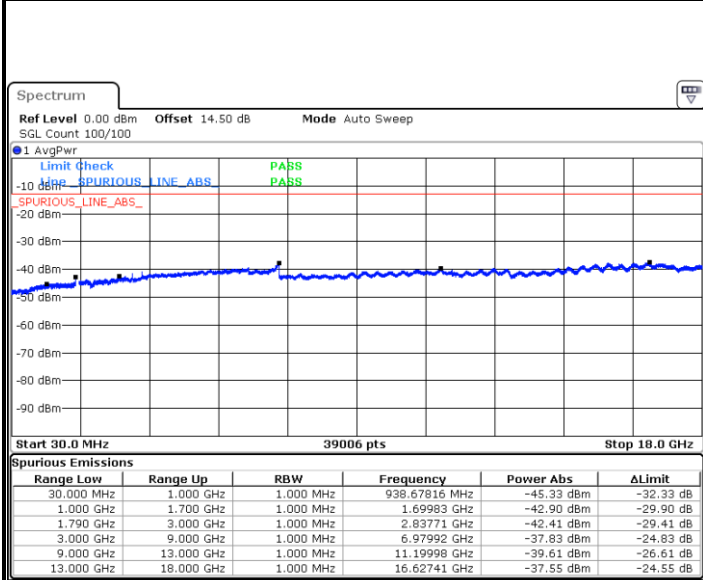
Date: 5.FEB.2021 17:35:03

Date: 5.FEB.2021 17:33:51



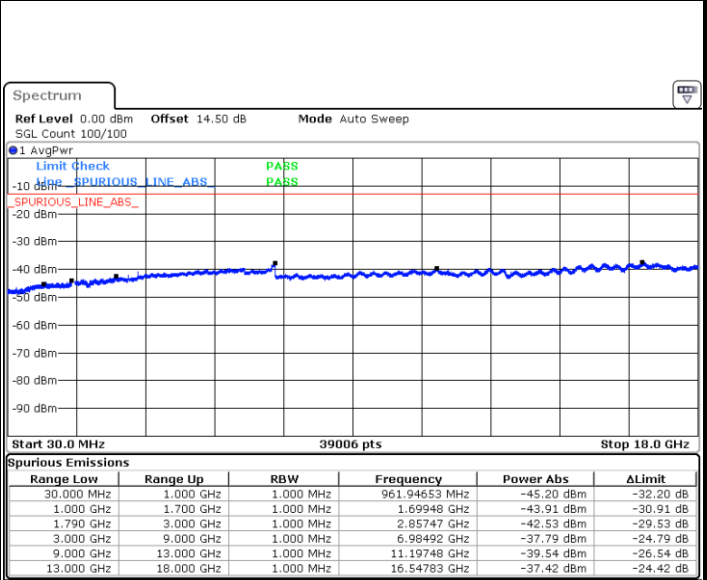
LTE Band 66 / 5MHz

Lowest Channel / QPSK



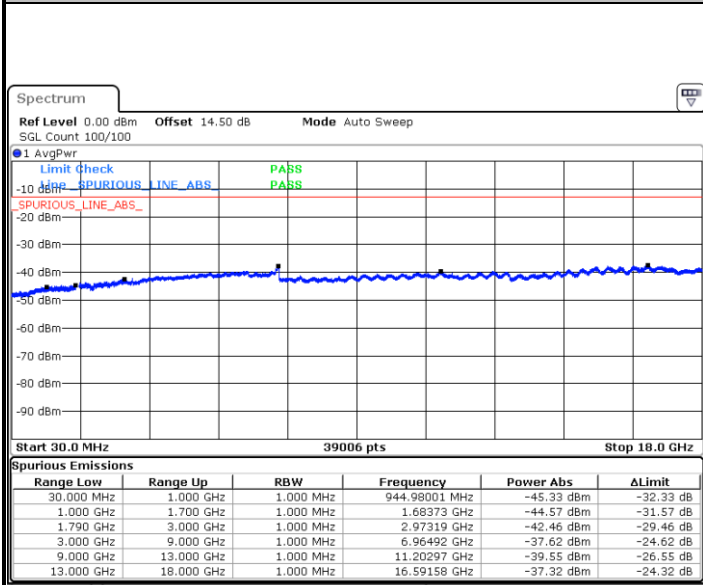
Date: 6.FEB.2021 09:35:16

Lowest Channel / 16QAM



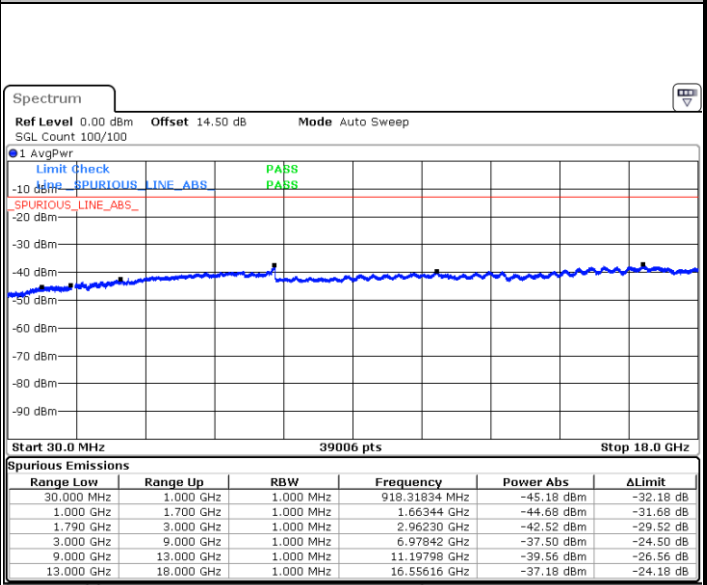
Date: 6.FEB.2021 09:36:15

Middle Channel / QPSK



Date: 6.FEB.2021 09:38:06

Middle Channel / 16QAM

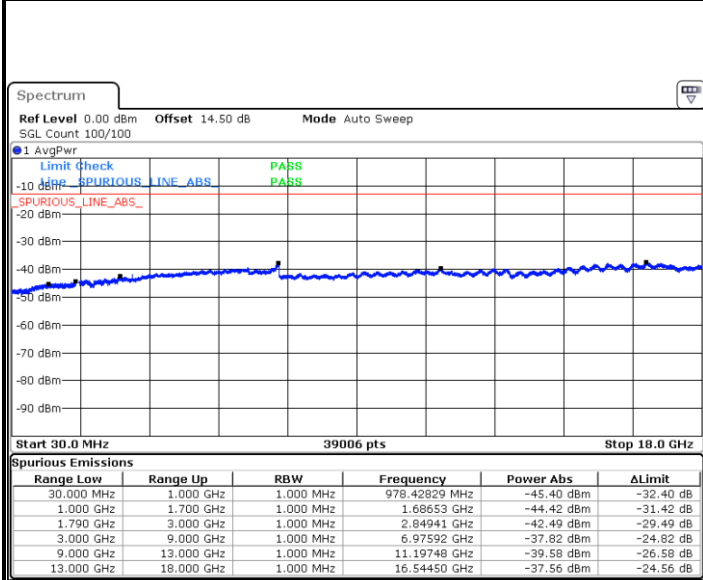


Date: 6.FEB.2021 09:39:06



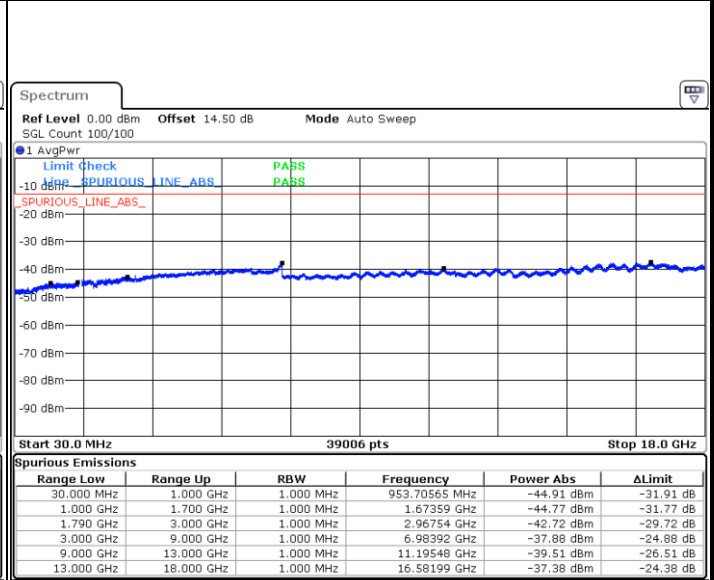
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 6.FEB.2021 09:45:28

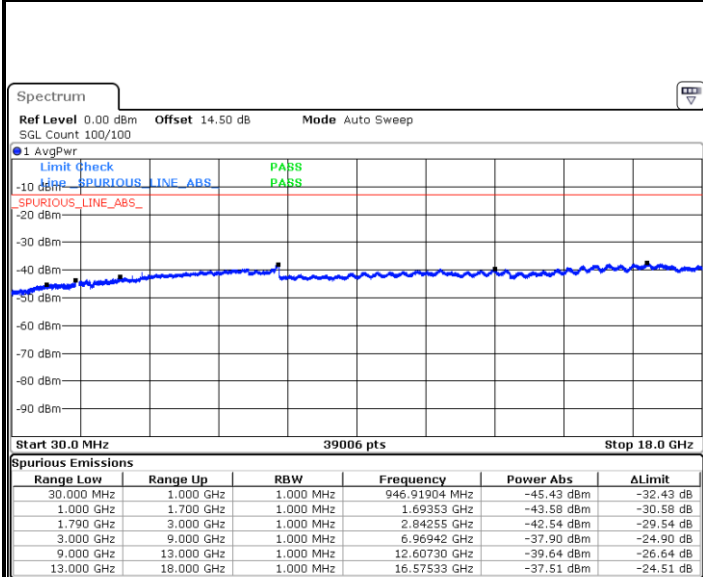
Highest Channel / 16QAM



Date: 6.FEB.2021 09:46:28

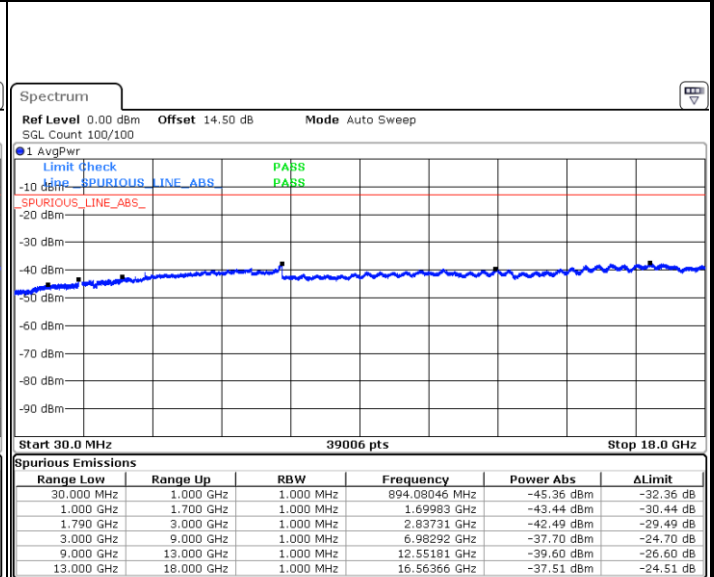
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 6.FEB.2021 09:52:51

Lowest Channel / 16QAM



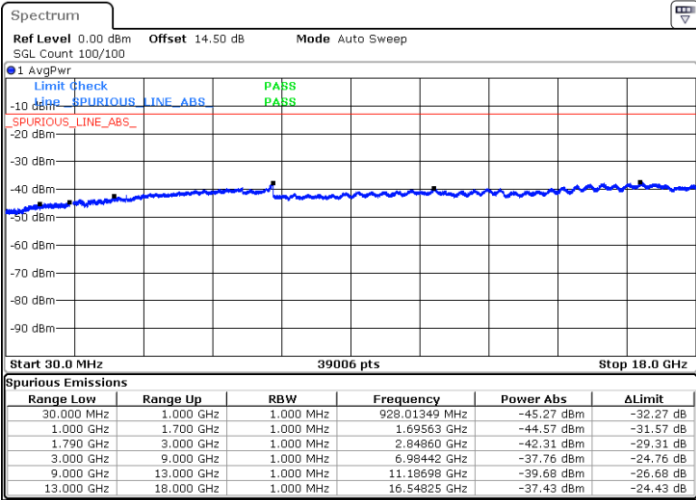
Date: 6.FEB.2021 09:53:51



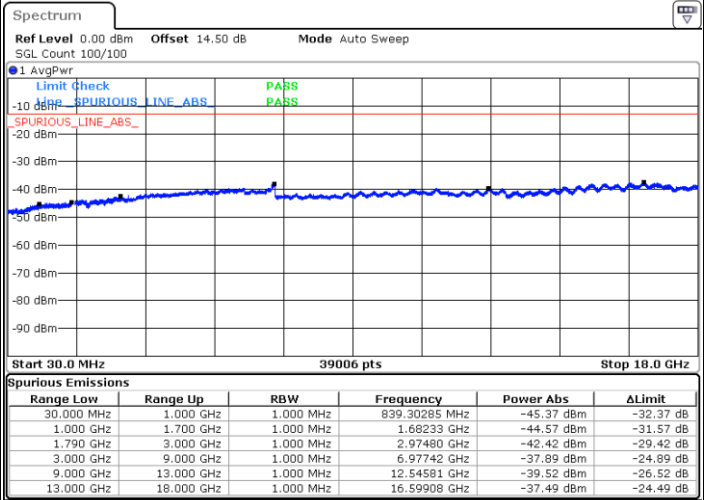
LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



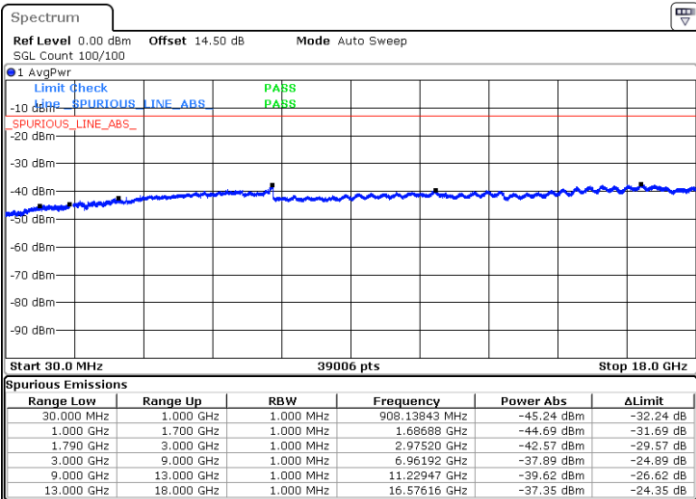
Date: 6.FEB.2021 09:55:43



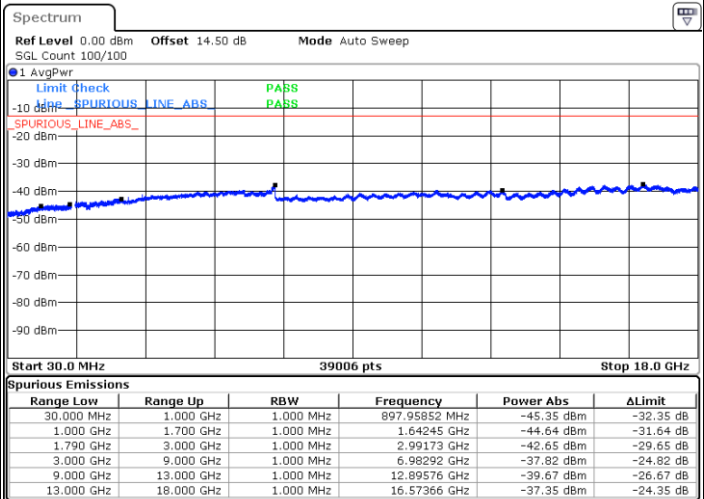
Date: 6.FEB.2021 09:56:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6.FEB.2021 10:03:03

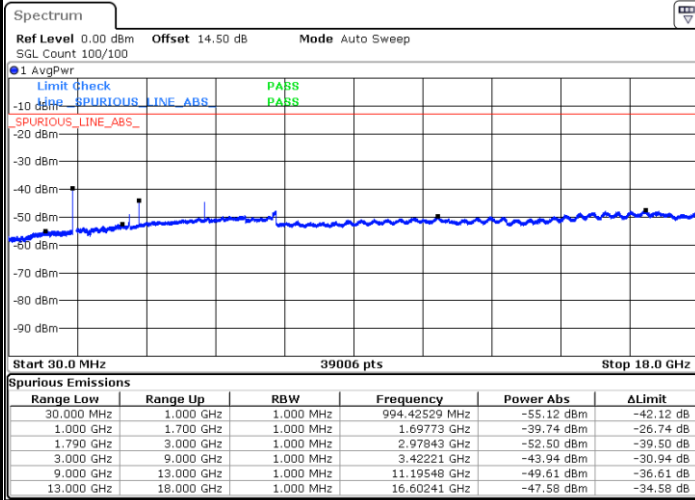


Date: 6.FEB.2021 10:04:03



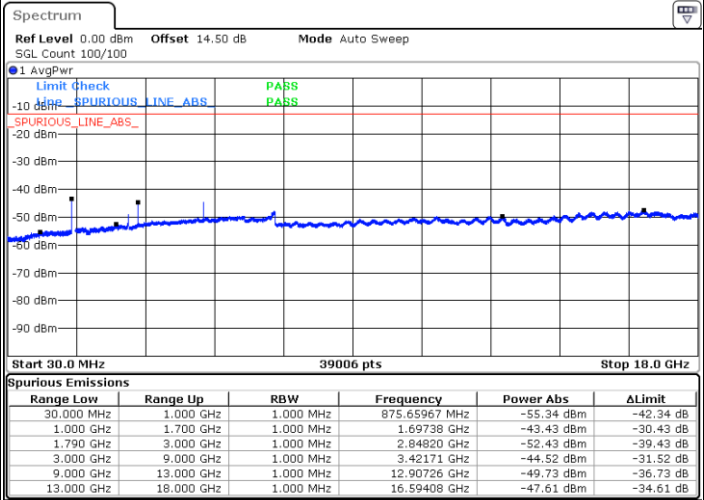
LTE Band 66 / 15MHz

Lowest Channel / QPSK



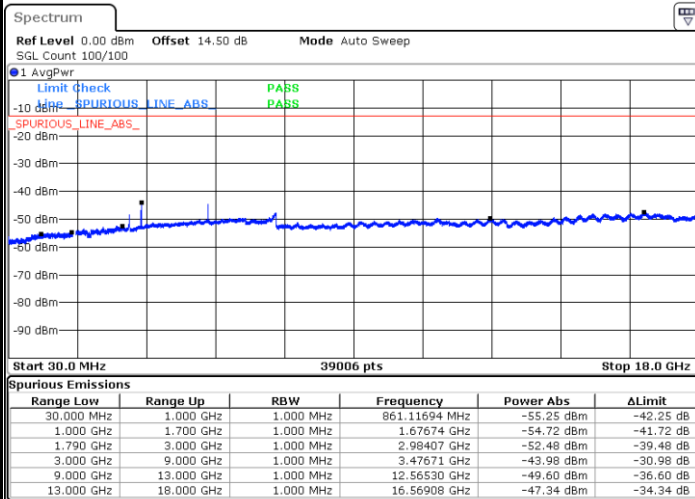
Date: 6.FEB.2021 10:10:26

Lowest Channel / 16QAM



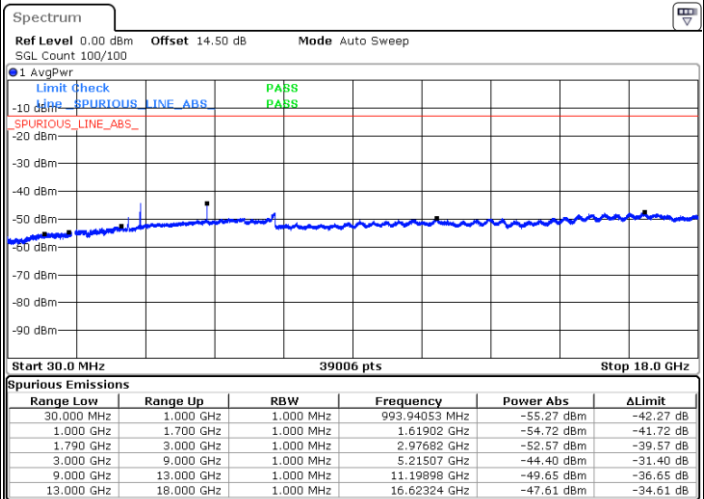
Date: 6.FEB.2021 10:11:26

Middle Channel / QPSK



Date: 6.FEB.2021 10:13:18

Middle Channel / 16QAM

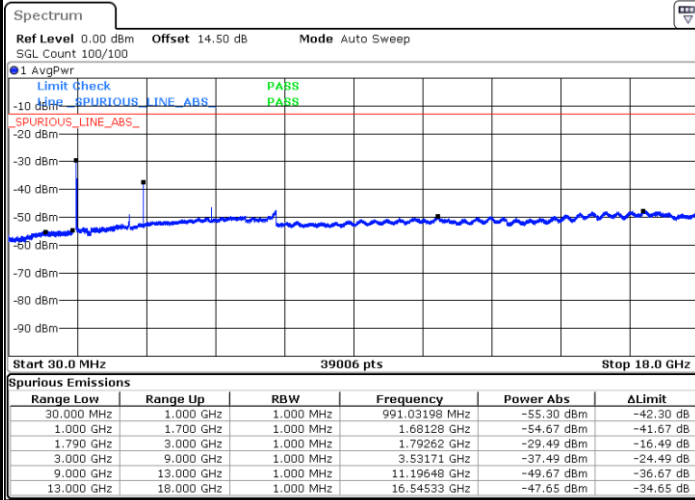


Date: 6.FEB.2021 10:14:18



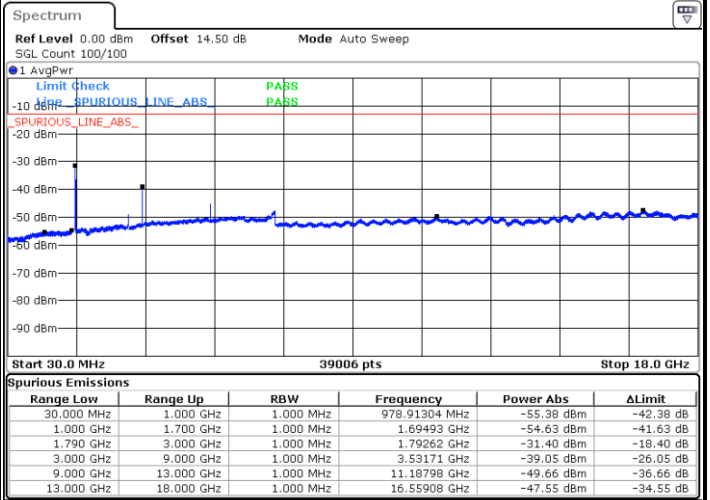
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 6.FEB.2021 10:20:38

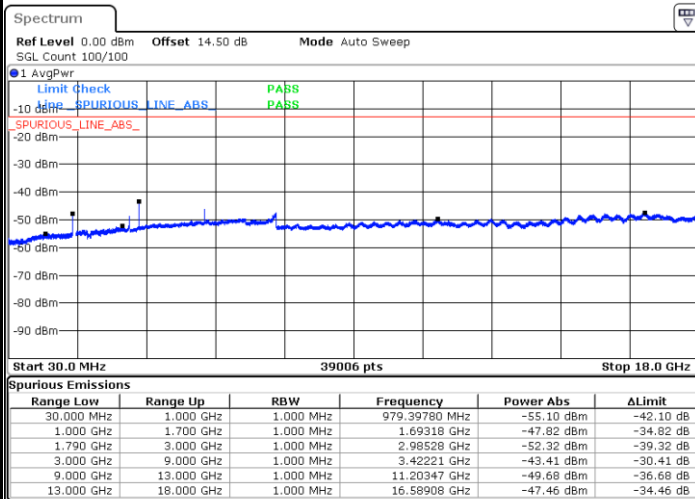
Highest Channel / 16QAM



Date: 6.FEB.2021 10:21:38

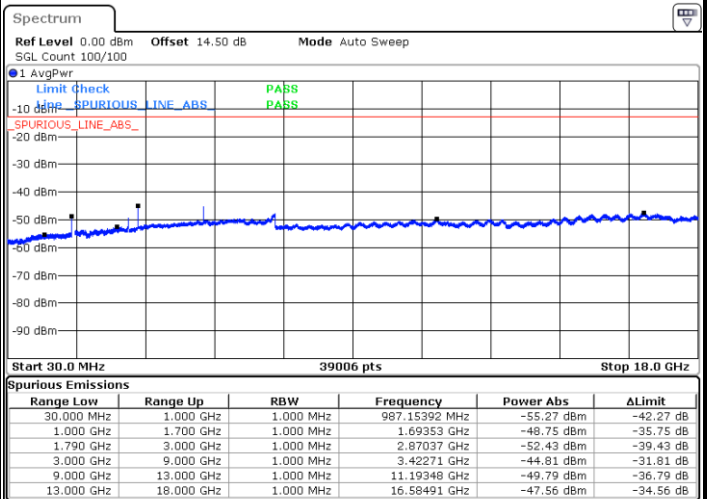
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 6.FEB.2021 10:28:00

Lowest Channel / 16QAM



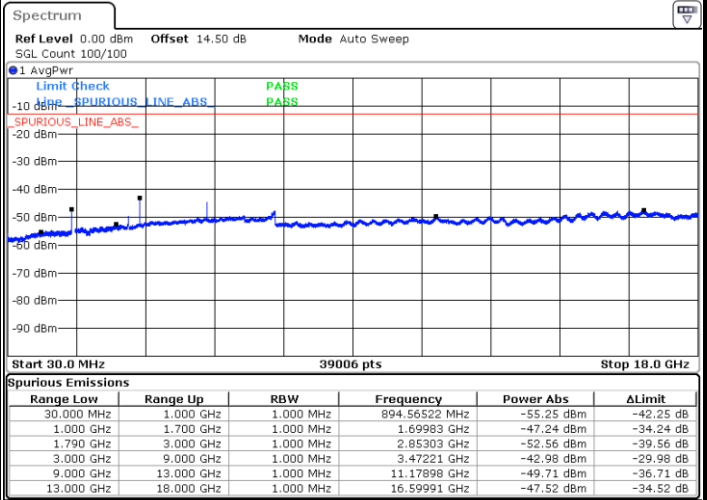
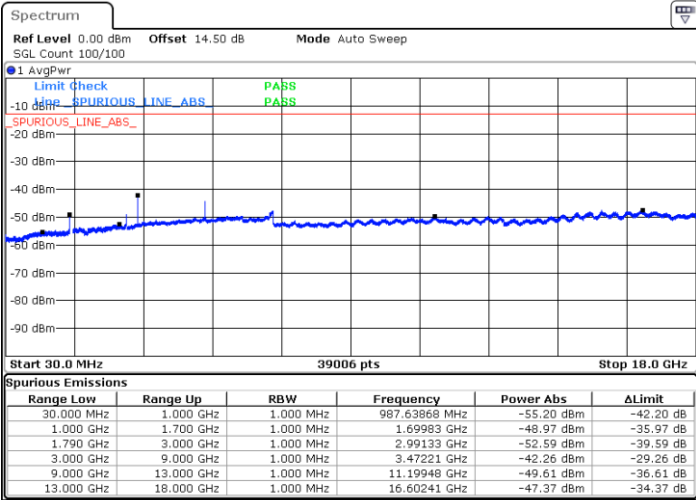
Date: 6.FEB.2021 10:28:59



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

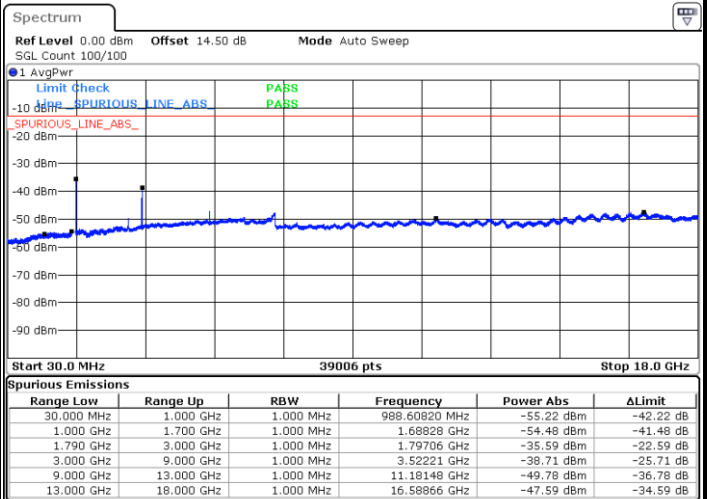
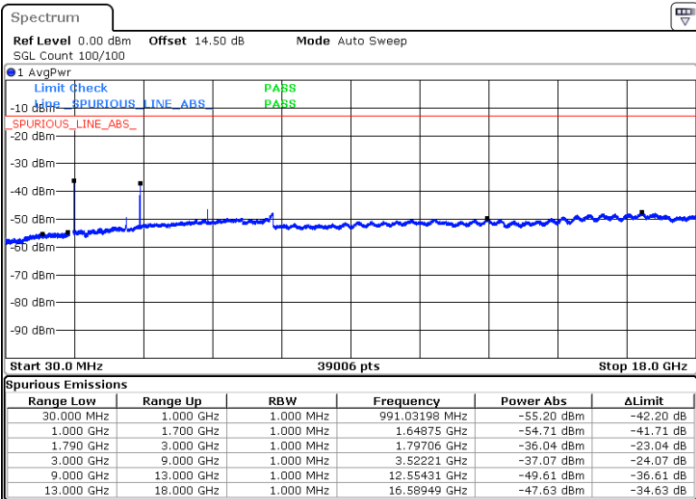


Date: 6.FEB.2021 10:30:51

Date: 6.FEB.2021 10:31:50

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6.FEB.2021 10:38:11

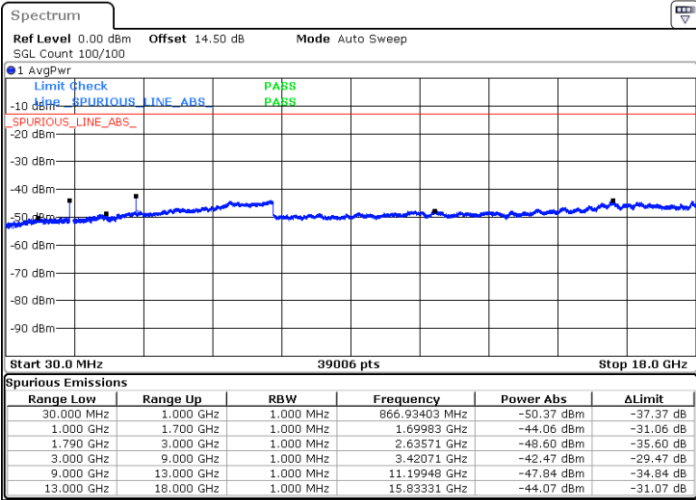
Date: 6.FEB.2021 10:39:10



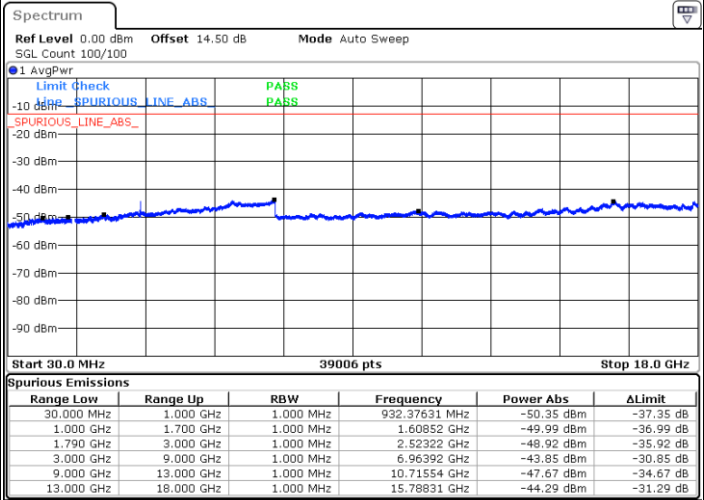
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

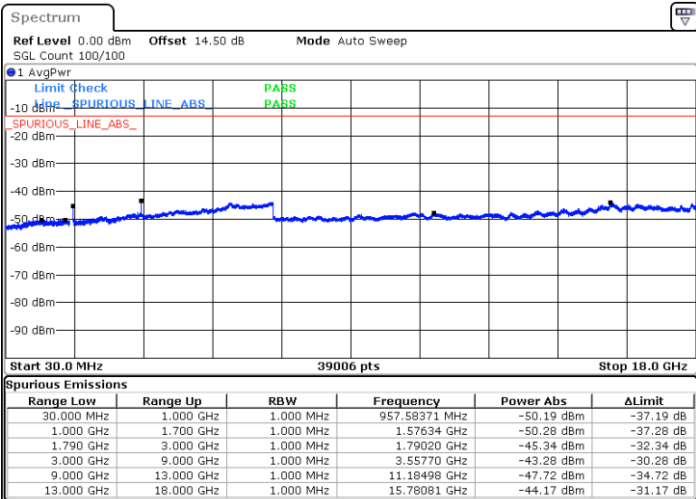


Date: 5.FEB.2021 15:47:21



Date: 5.FEB.2021 16:08:40

Highest Channel / 64QAM



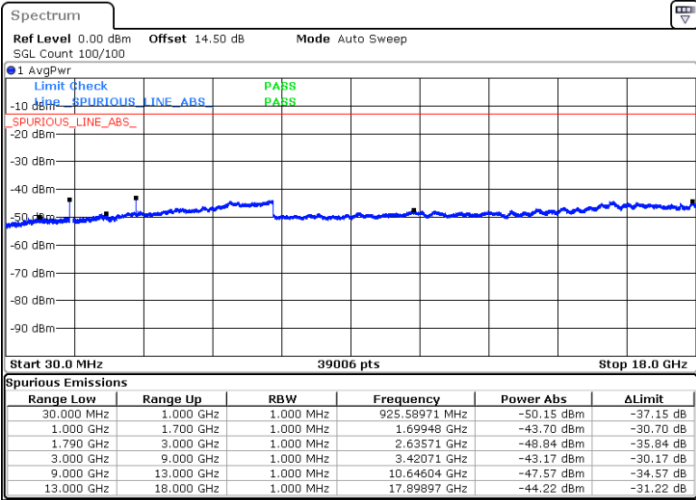
Date: 5.FEB.2021 16:21:53



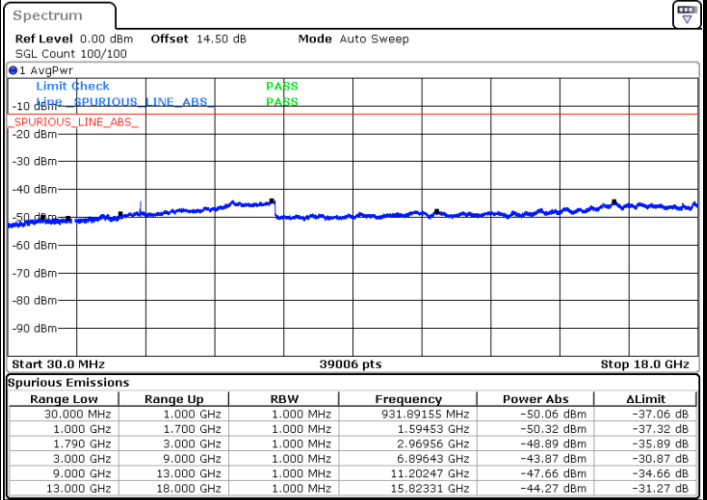
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

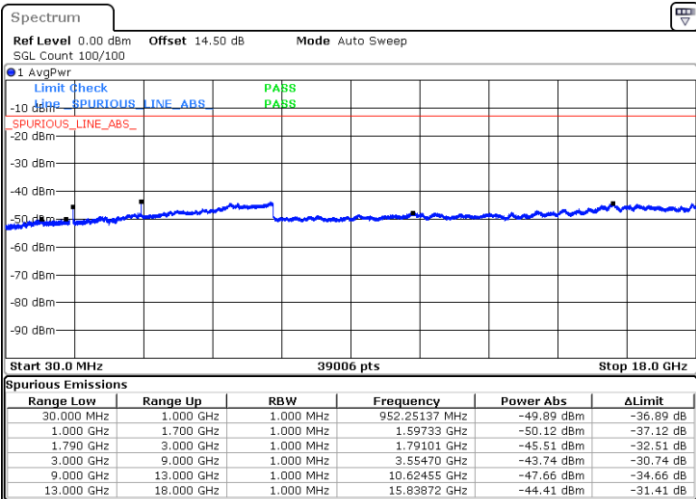


Date: 5.FEB.2021 16:41:04



Date: 5.FEB.2021 17:21:06

Highest Channel / 64QAM



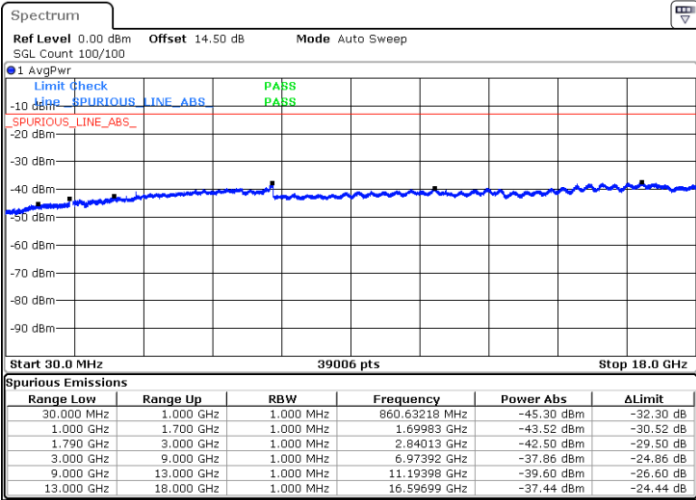
Date: 5.FEB.2021 17:32:42



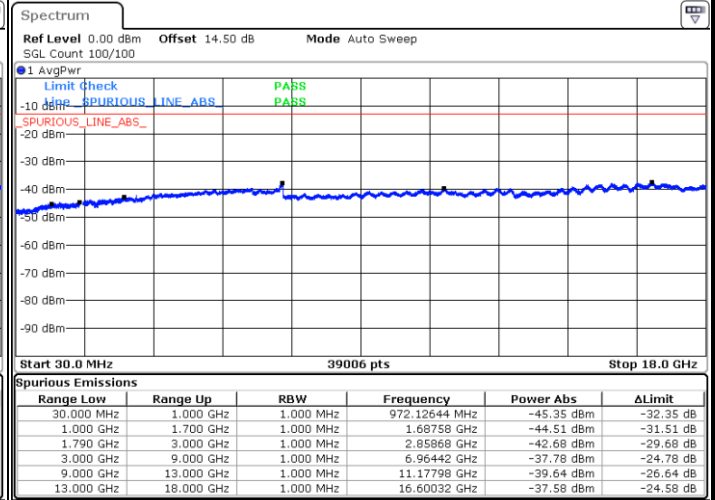
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

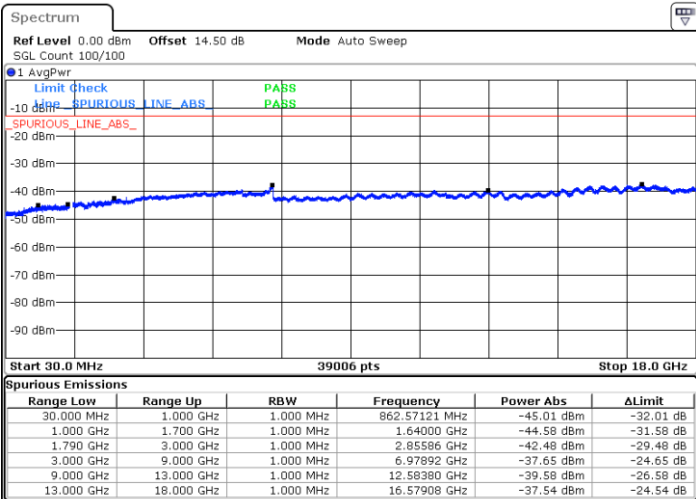


Date: 6.FEB.2021 10:50:06



Date: 6.FEB.2021 10:51:32

Highest Channel / 64QAM

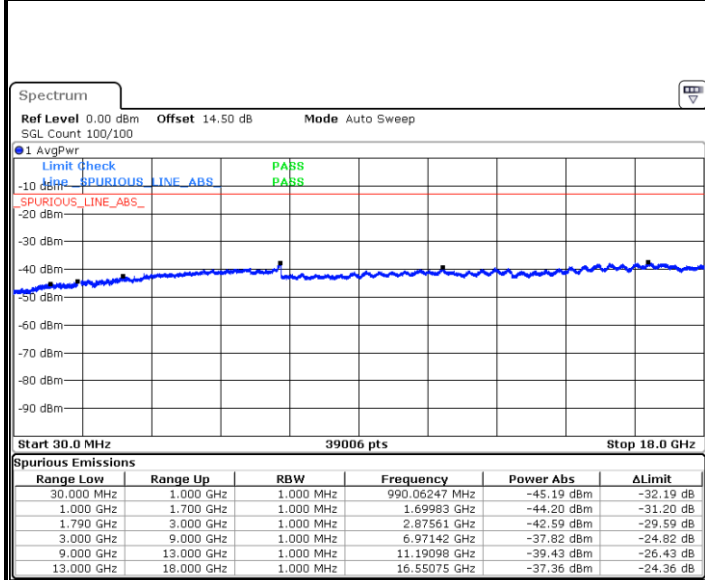


Date: 6.FEB.2021 10:55:13



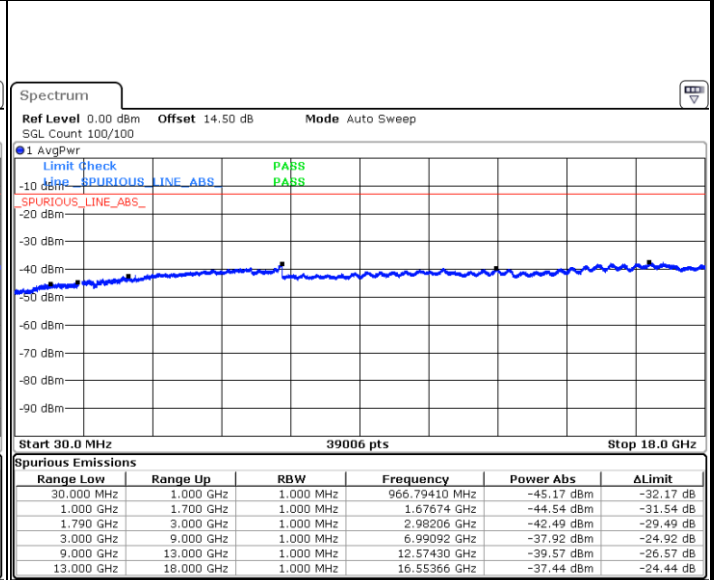
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



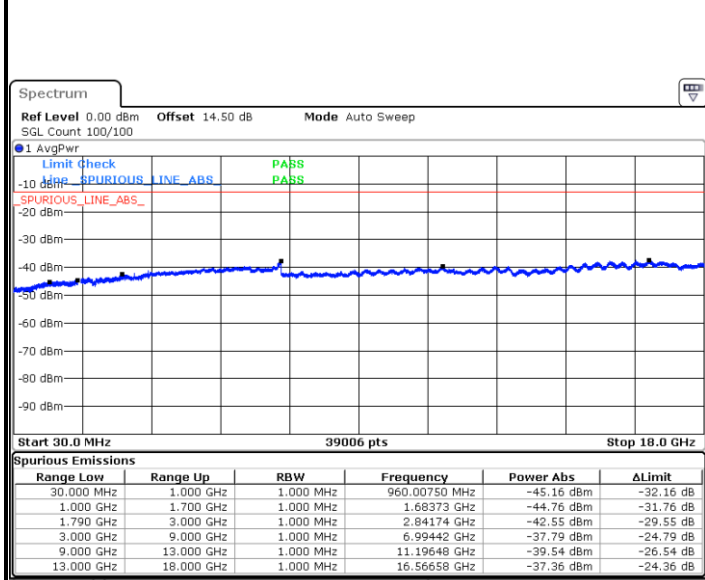
Date: 6.FEB.2021 10:58:53

Middle Channel / 64QAM



Date: 6.FEB.2021 11:00:19

Highest Channel / 64QAM



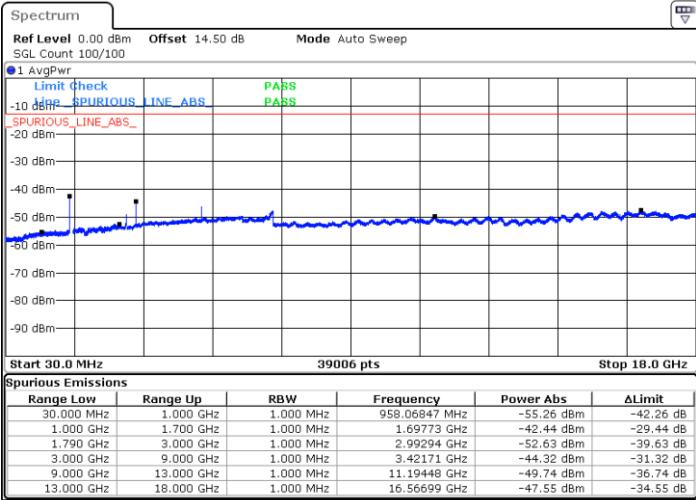
Date: 6.FEB.2021 11:04:00



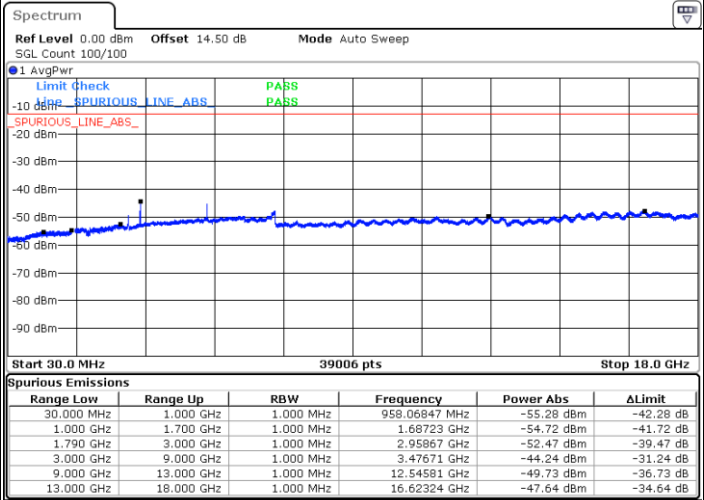
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

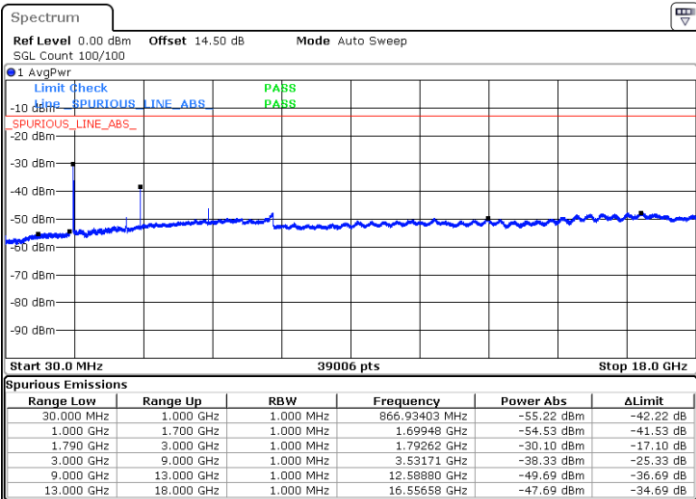


Date: 6.FEB.2021 11:07:40



Date: 6.FEB.2021 11:09:05

Highest Channel / 64QAM



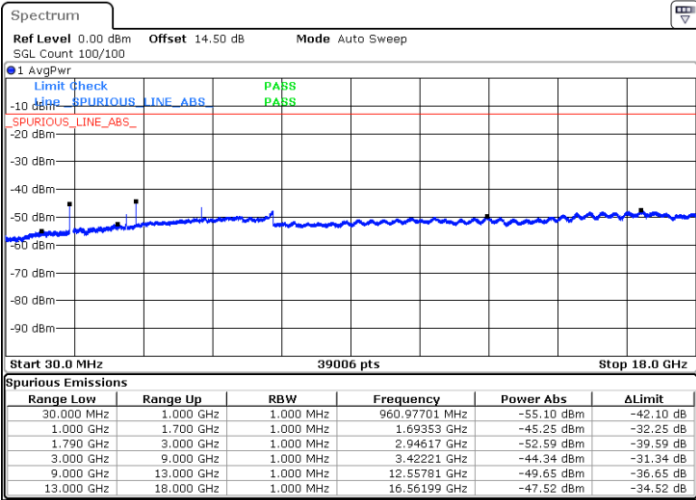
Date: 6.FEB.2021 11:12:46



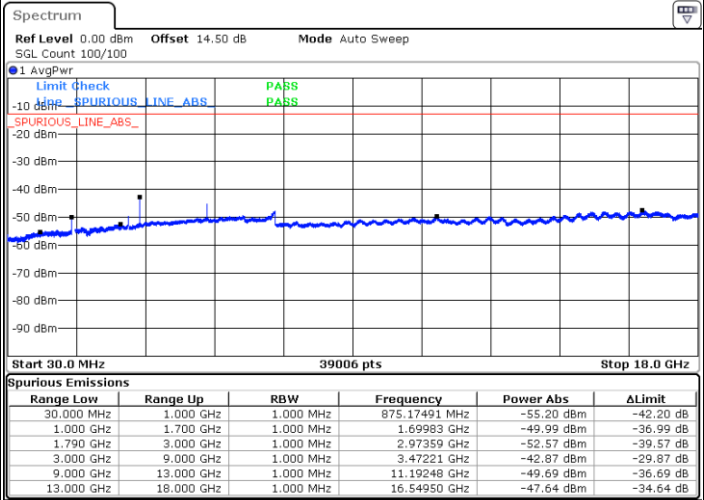
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

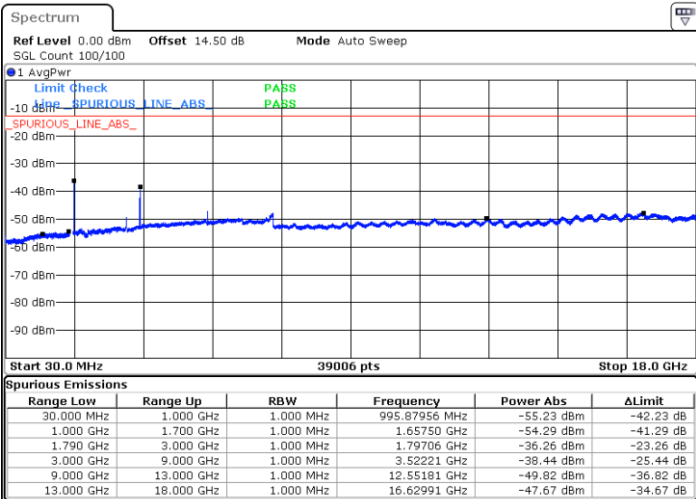


Date: 6.FEB.2021 11:16:27



Date: 6.FEB.2021 11:17:52

Highest Channel / 64QAM



Date: 6.FEB.2021 11:21:33



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 2 / 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)
Middle	3742.18	-40.28	-13	-27.28	-56.35	-47.03	5.85	12.60	H
	5613.27	-52.16	-13	-39.16	-71.67	-57.96	7.30	13.10	H
	7484.36	-33.96	-13	-20.96	-58.28	-37.11	8.35	11.50	H
	3742.18	-48.52	-13	-35.52	-64.21	-55.27	5.85	12.60	V
	5613.27	-51.25	-13	-38.25	-70.24	-57.05	7.30	13.10	V
	7484.36	-34.74	-13	-21.74	-59.45	-37.89	8.35	11.50	V

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

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-32.08	-13	-19.08	-41.82	-35.33	4.00	9.40	H
	2496.27	-37.15	-13	-24.15	-51.40	-40.72	4.88	10.60	H
	3328.36	-52.36	-13	-39.36	-68.85	-57.29	5.52	12.60	H
	4160.45	-50.40	-13	-37.40	-70.72	-54.87	6.00	12.62	H
	4992.54	-41.28	-13	-28.28	-64.27	-44.69	7.14	12.70	H
	5824.63	-44.42	-13	-31.42	-68.83	-47.65	7.62	13.00	H
	6656.72	-52.62	-13	-39.62	-78.70	-55.17	8.00	12.70	H
	7488.81	-41.41	-13	-28.41	-68.22	-42.36	8.40	11.50	H
	8320.9	-39.36	-13	-26.36	-67.86	-40.21	8.60	11.60	H
	1664.18	-36.09	-13	-23.09	-45.43	-39.34	4.00	9.40	V
	2496.27	-36.18	-13	-23.18	-50.39	-39.75	4.88	10.60	V
	3328.36	-51.25	-13	-38.25	-67.50	-56.18	5.52	12.60	V
	4160.45	-54.54	-13	-41.54	-74.87	-59.01	6.00	12.62	V
	4992.54	-50.93	-13	-37.93	-73.97	-54.34	7.14	12.70	V
	5824.63	-48.89	-13	-35.89	-73.58	-52.12	7.62	13.00	V
	6656.72	-51.77	-13	-38.77	-78.48	-54.32	8.00	12.70	V
	7488.81	-44.23	-13	-31.23	-71.03	-45.18	8.40	11.50	V
	8320.9	-40.50	-13	-27.50	-68.55	-41.35	8.60	11.60	V

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



LTE Band 7 / 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)
Middle	5052.18	-45.76	-25	-20.76	-65.03	-51.32	7.14	12.70	H
	7578.27	-35.07	-25	-10.07	-59.24	-38.37	8.30	11.60	H
	10104.36	-37.34	-25	-12.34	-66.25	-38.86	10.48	12.00	H
	12627.00	-45.89	-25	-20.89	-76.14	-47.59	11.80	13.50	H
	5052.18	-45.08	-25	-20.08	-64.24	-50.64	7.14	12.70	V
	7578.27	-30.47	-25	-5.47	-55.12	-33.77	8.30	11.60	V
	10104.36	-45.25	-25	-20.25	-72.82	-46.77	10.48	12.00	V
	12627.00	-43.96	-25	-18.96	-74.15	-45.66	11.80	13.50	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-42.01	-13	-29.01	-56.87	-48.86	5.65	12.50	H
	5208	-50.98	-13	-37.98	-70.36	-56.65	7.13	12.80	H
	6944	-36.35	-13	-23.35	-59.40	-39.75	8.40	11.80	H
	8680	-38.64	-13	-25.64	-64.28	-41.49	8.75	11.60	H
	10416	-46.19	-13	-33.19	-74.84	-47.61	10.58	12.00	H
	12152	-50.00	-13	-37.00	-80.35	-51.42	11.78	13.20	H
	3472	-37.68	-13	-24.68	-52.57	-44.53	5.65	12.50	V
	5208	-47.26	-13	-34.26	-66.25	-52.93	7.13	12.80	V
	6944	-37.67	-13	-24.67	-60.99	-41.07	8.40	11.80	V
	8680	-38.73	-13	-25.73	-64.42	-41.58	8.75	11.60	V
	10416	-47.41	-13	-34.41	-75.18	-48.83	10.58	12.00	V
	12152	-48.08	-13	-35.08	-78.23	-49.50	11.78	13.20	V

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