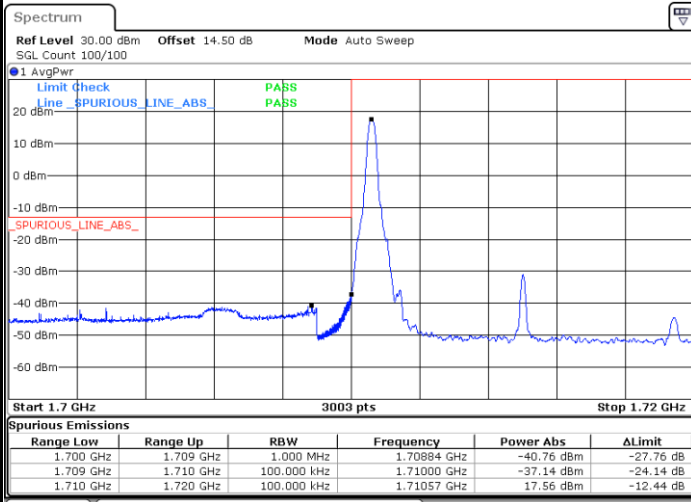


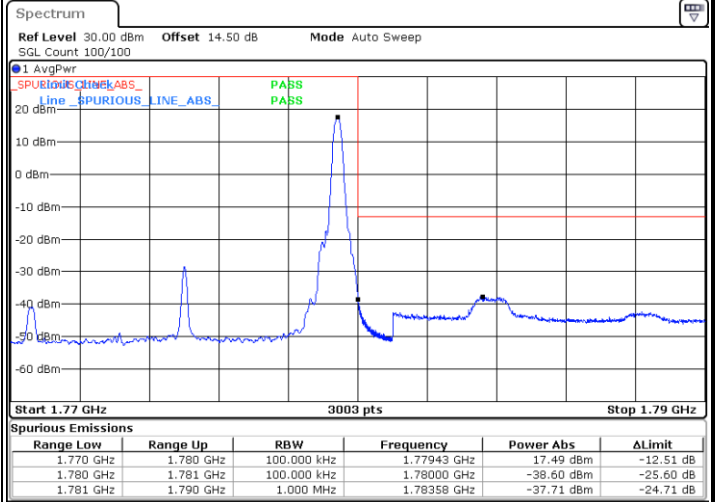


LTE Band 66 / 10MHz / 64QAM

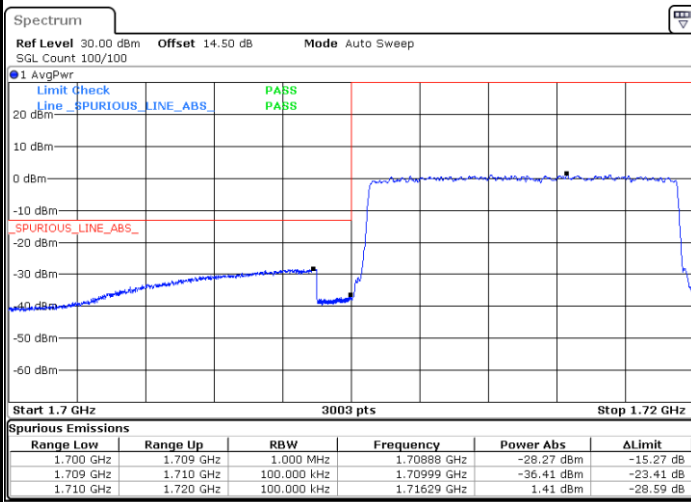
Lowest Band Edge / 1 RB



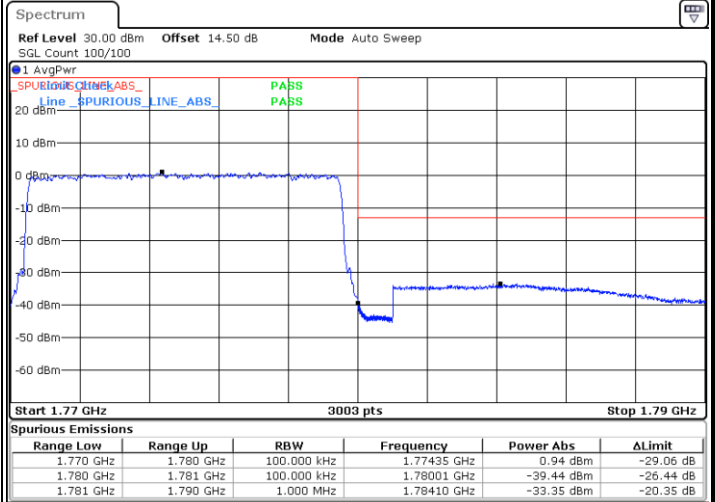
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



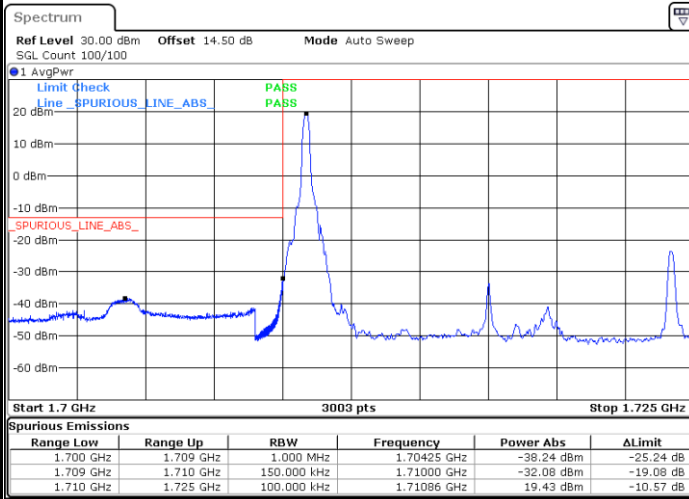
Highest Band Edge / Full RB



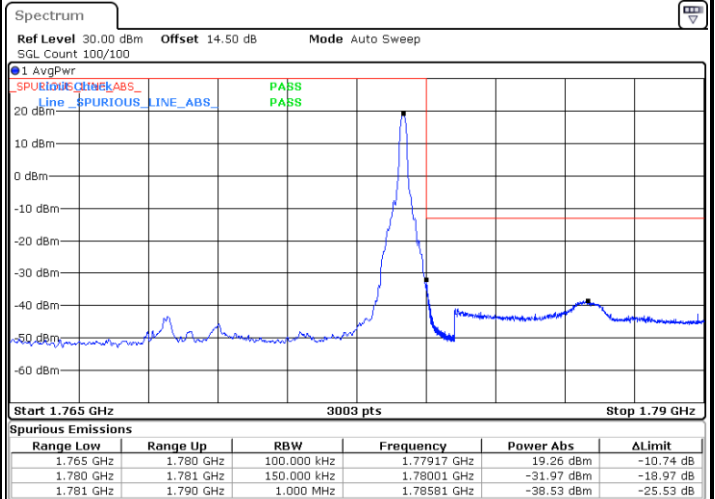


LTE Band 66 / 15MHz / QPSK

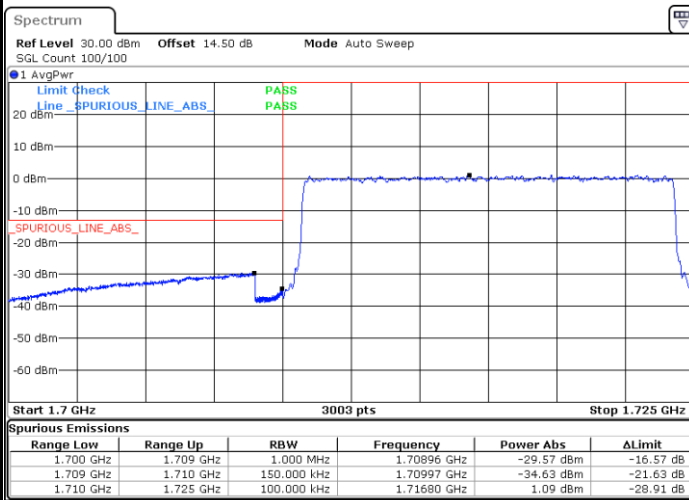
Lowest Band Edge / 1 RB



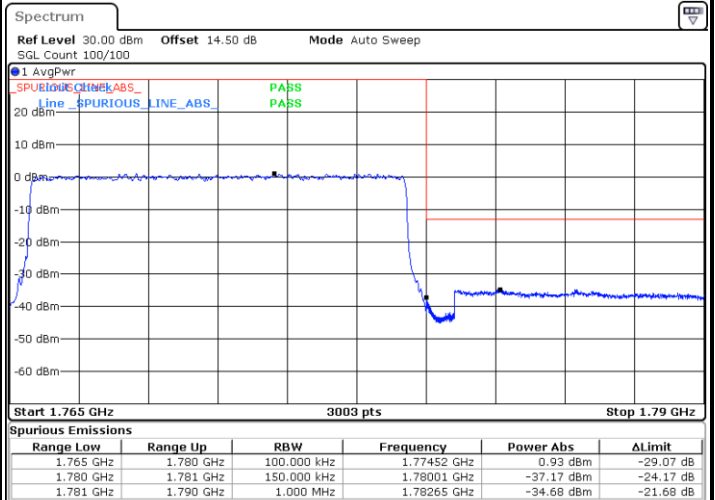
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



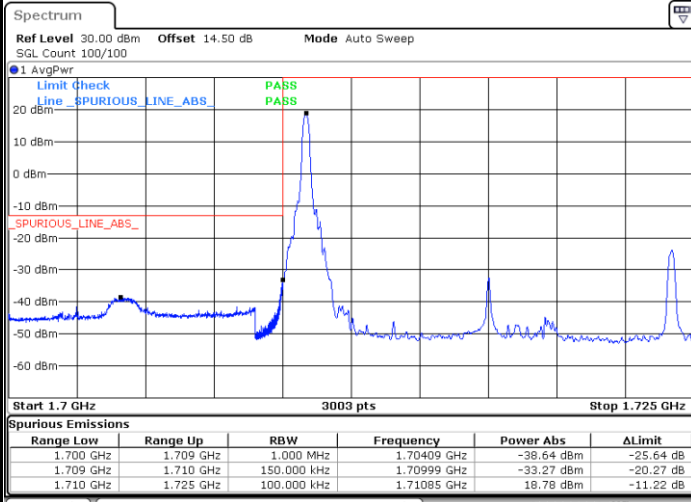
Highest Band Edge / Full RB



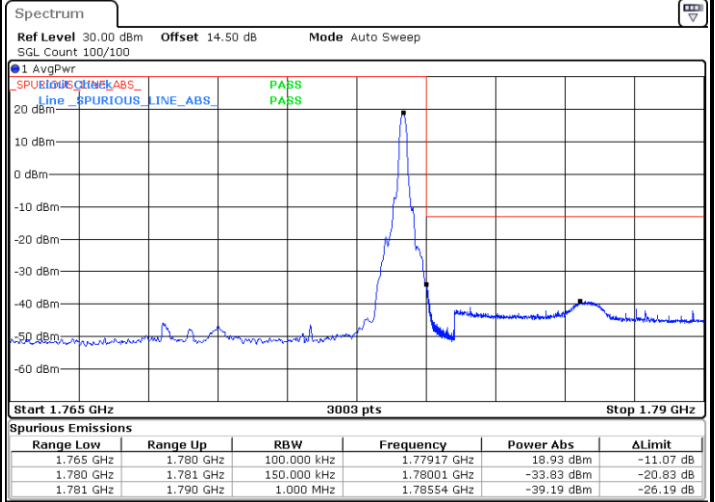


LTE Band 66 / 15MHz / 16QAM

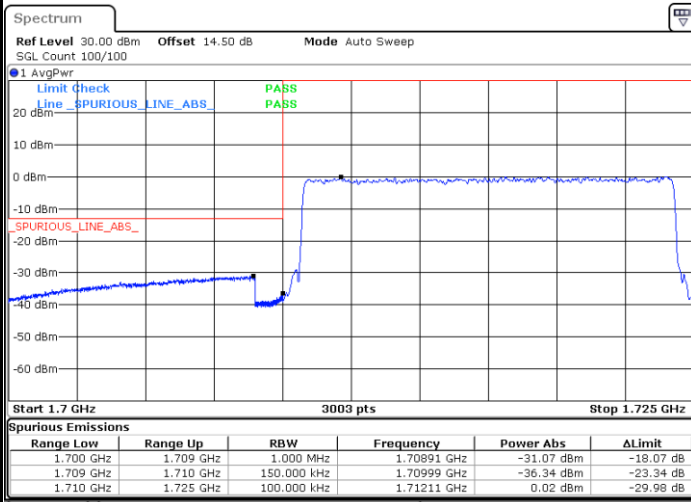
Lowest Band Edge / 1 RB



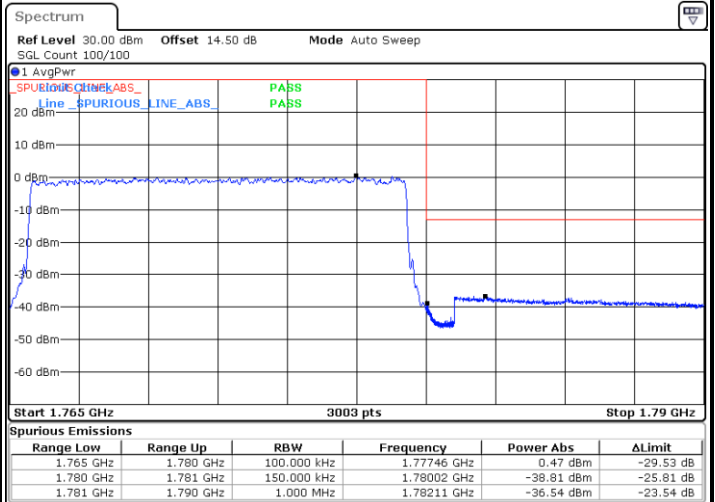
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



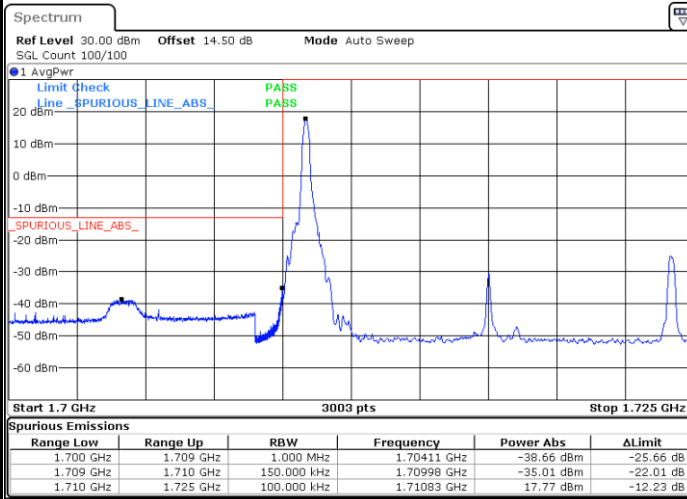
Highest Band Edge / Full RB



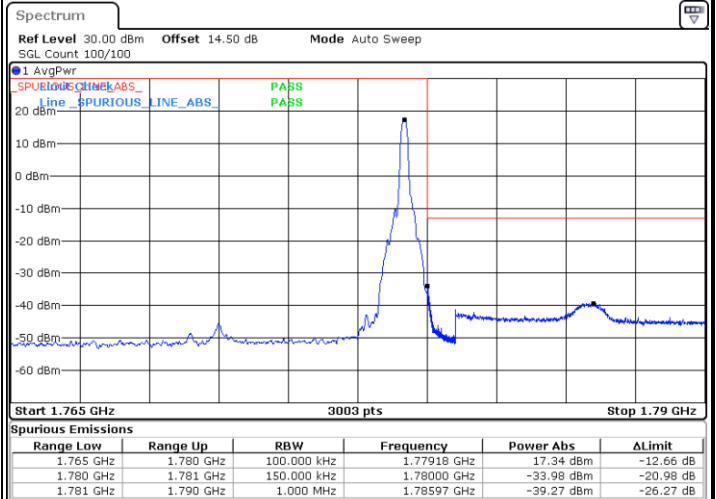


LTE Band 66 / 15MHz / 64QAM

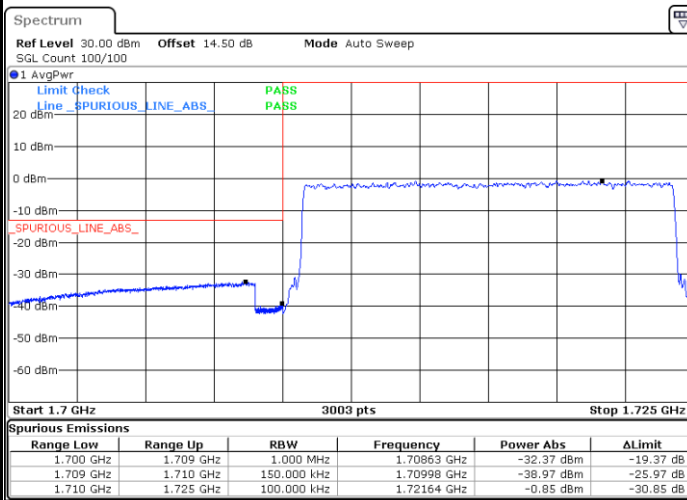
Lowest Band Edge / 1 RB



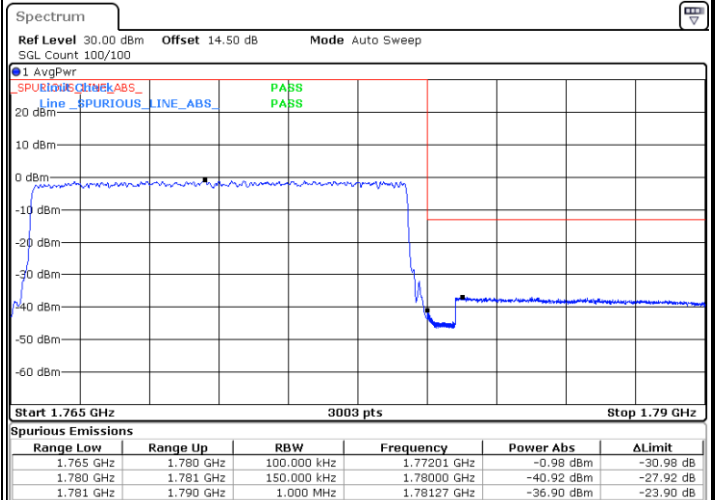
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



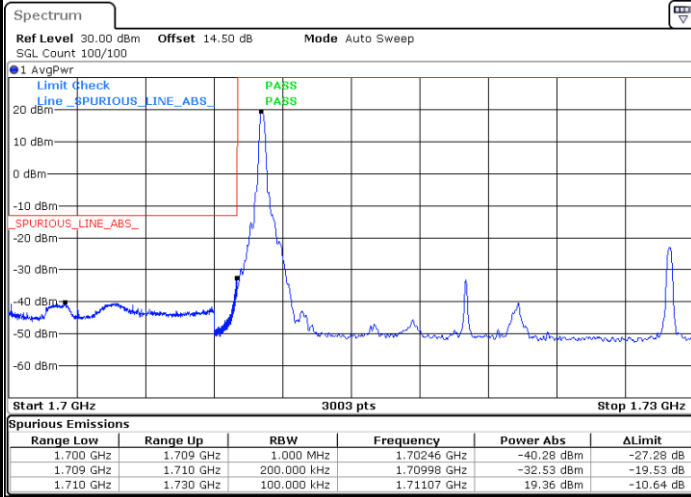
Highest Band Edge / Full RB



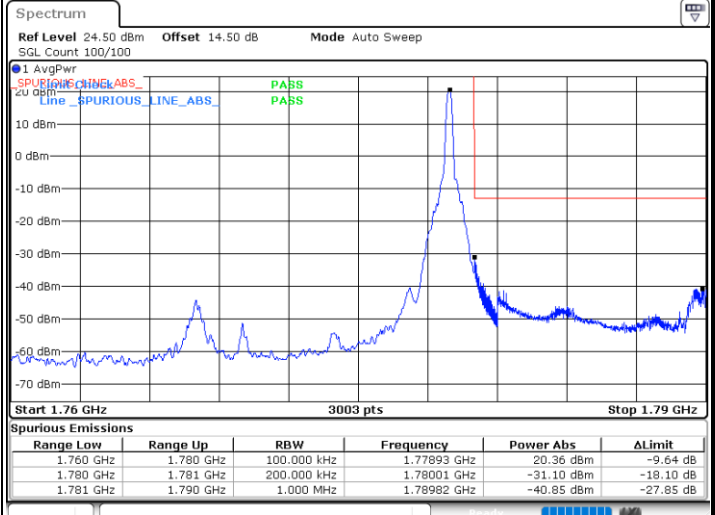


LTE Band 66 / 20MHz / QPSK

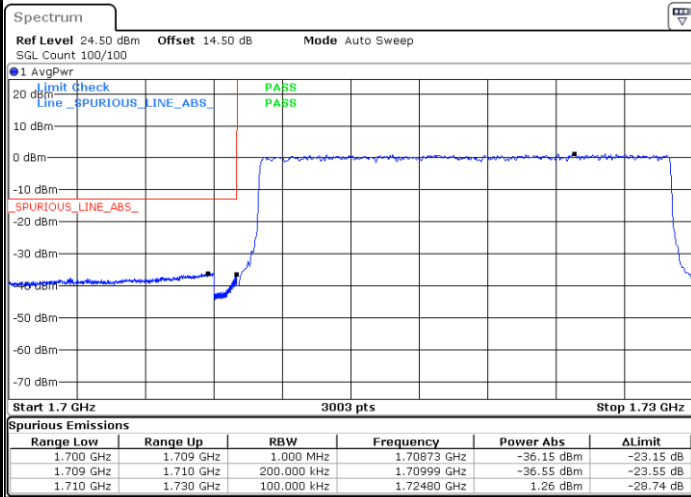
Lowest Band Edge / 1 RB



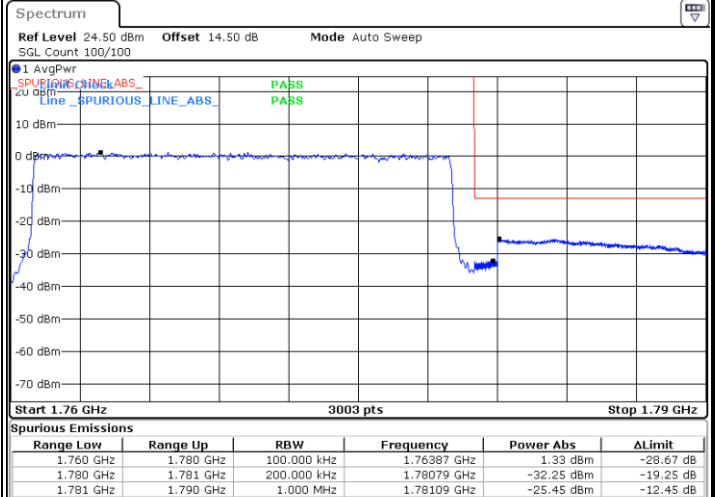
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



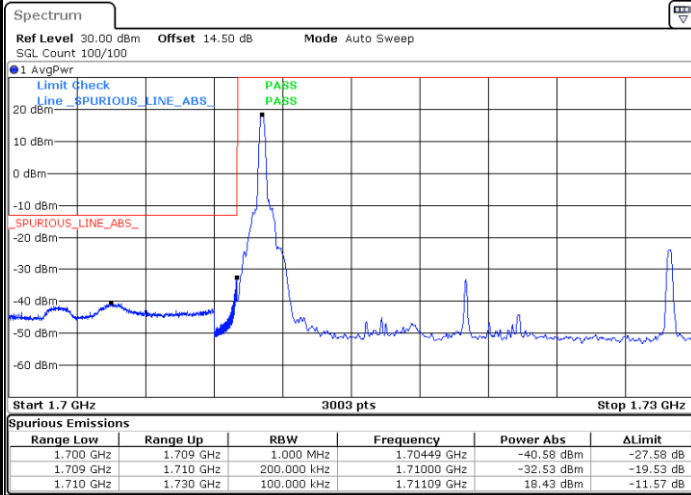
Highest Band Edge / Full RB



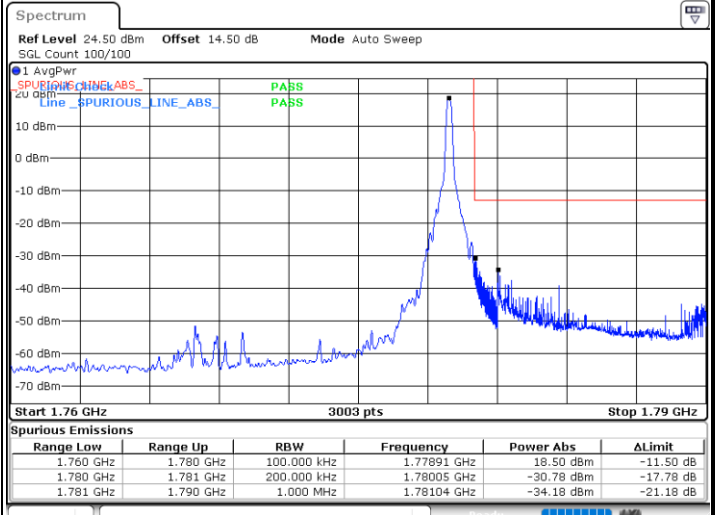


LTE Band 66 / 20MHz / 16QAM

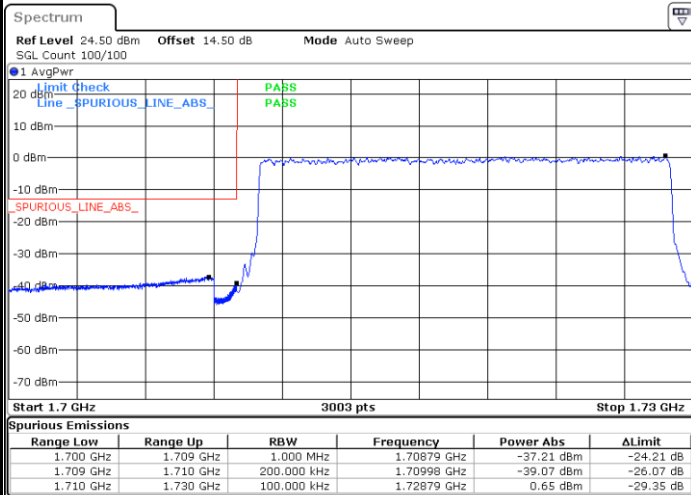
Lowest Band Edge / 1 RB



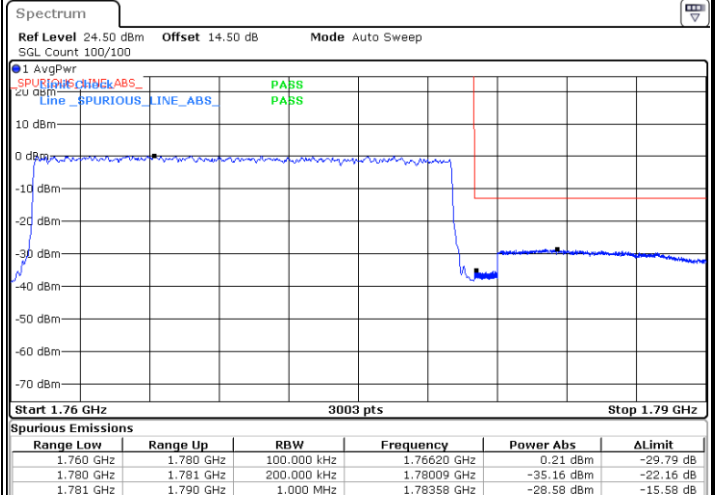
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



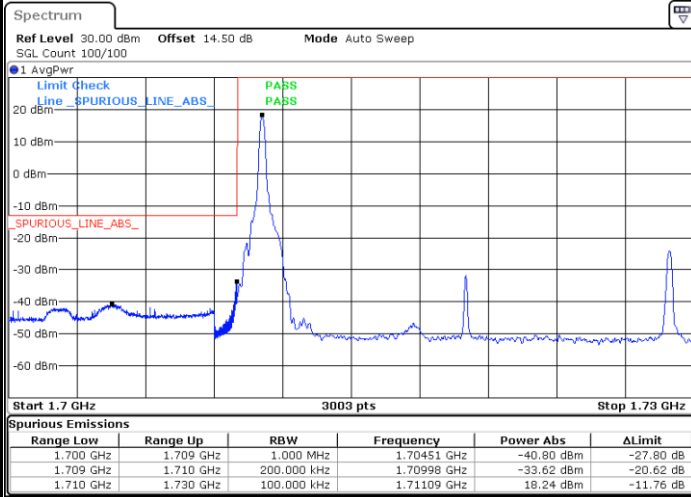
Highest Band Edge / Full RB



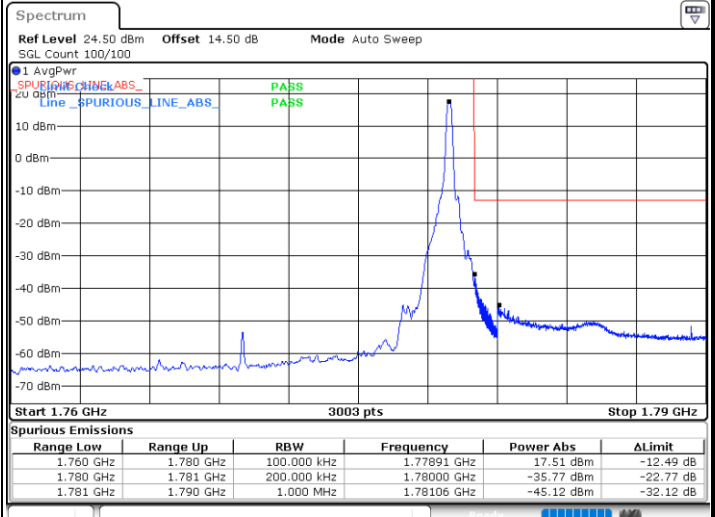


LTE Band 66 / 20MHz / 64QAM

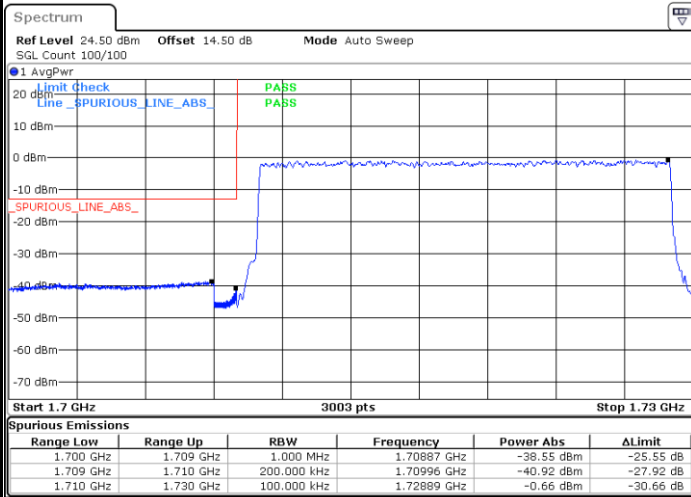
Lowest Band Edge / 1 RB



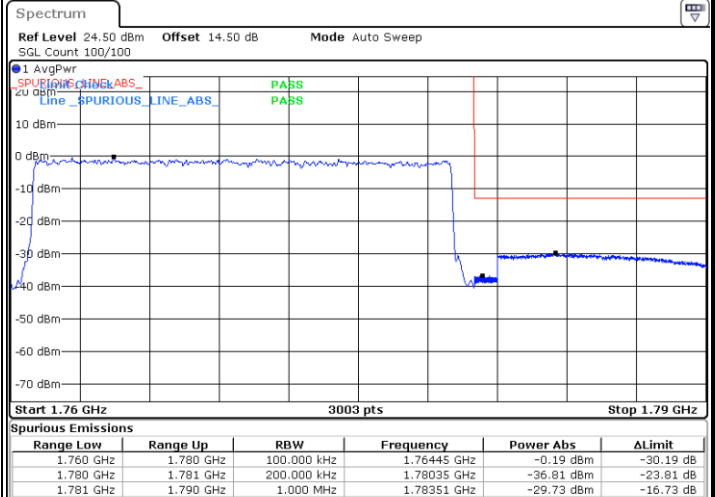
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

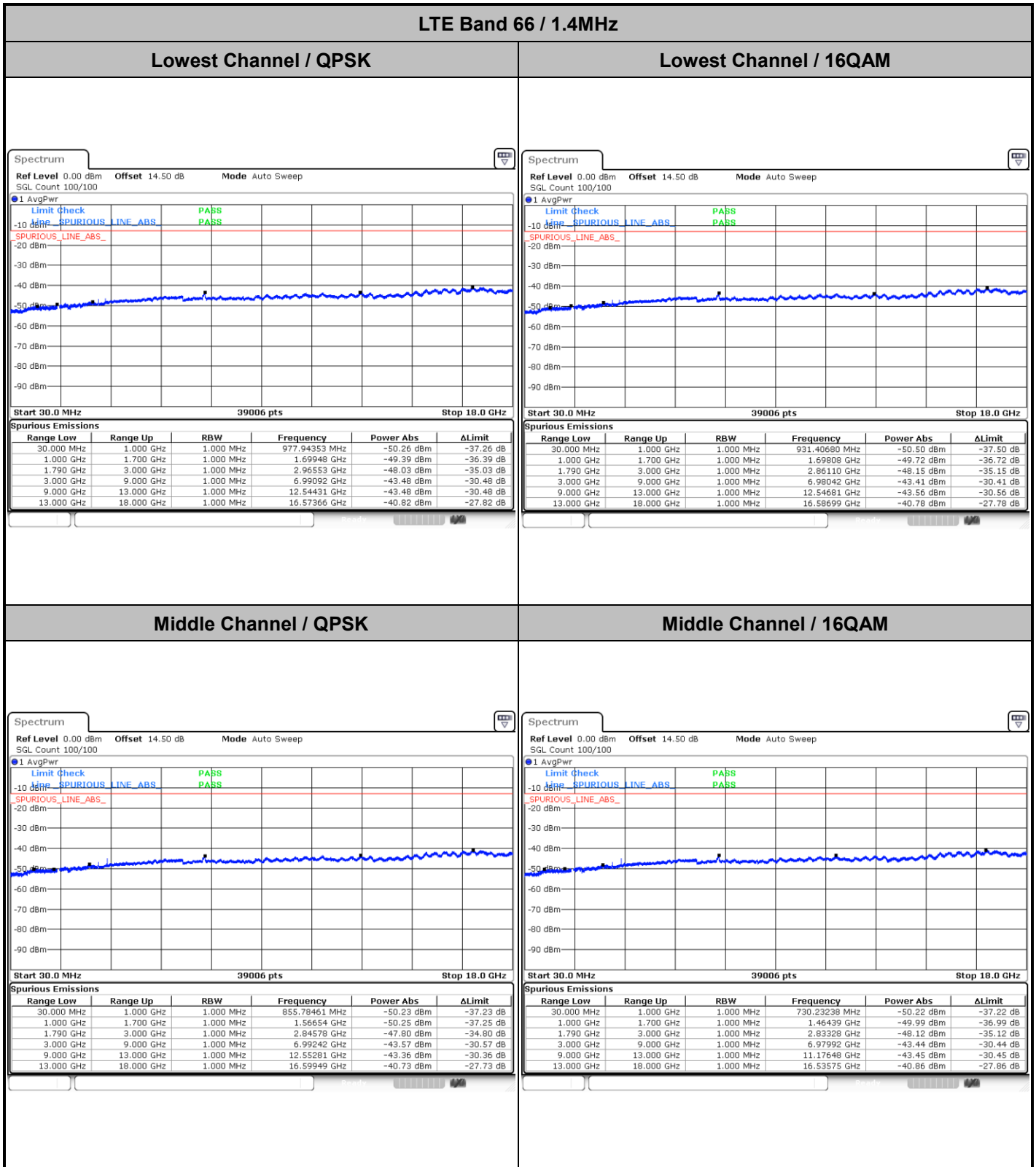


Highest Band Edge / Full RB





Conducted Spurious Emission

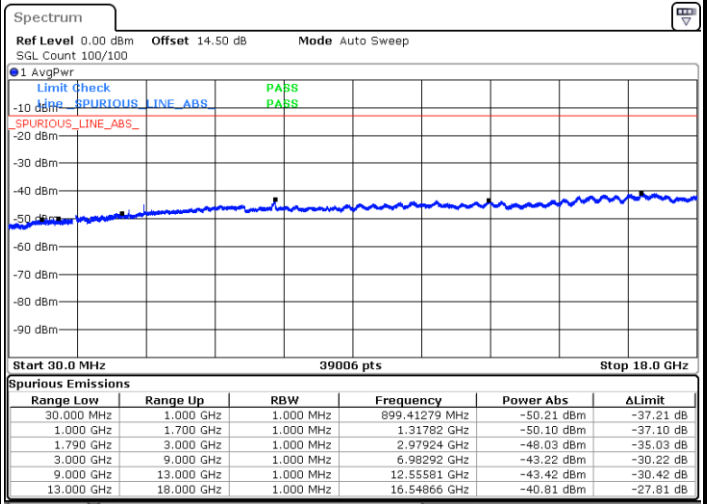
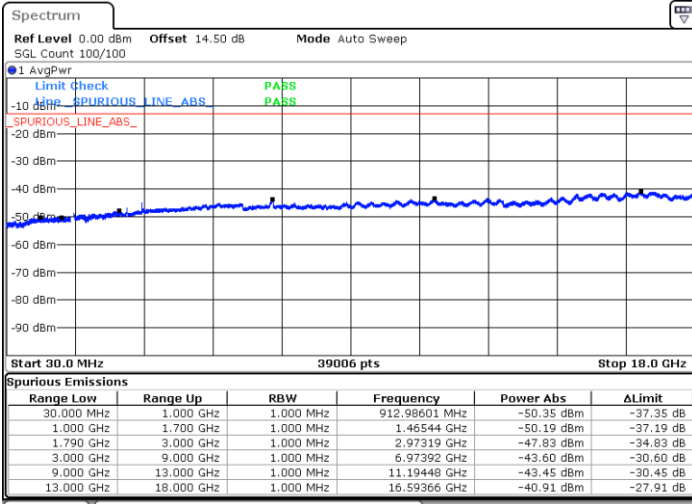




LTE Band 66 / 1.4MHz

Highest Channel / QPSK

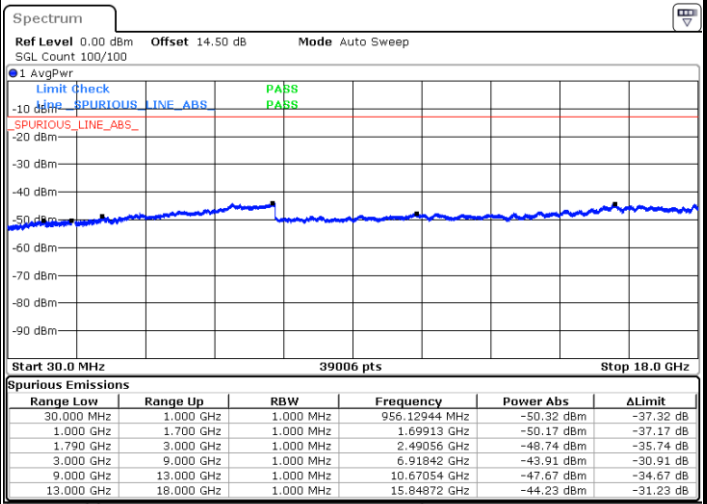
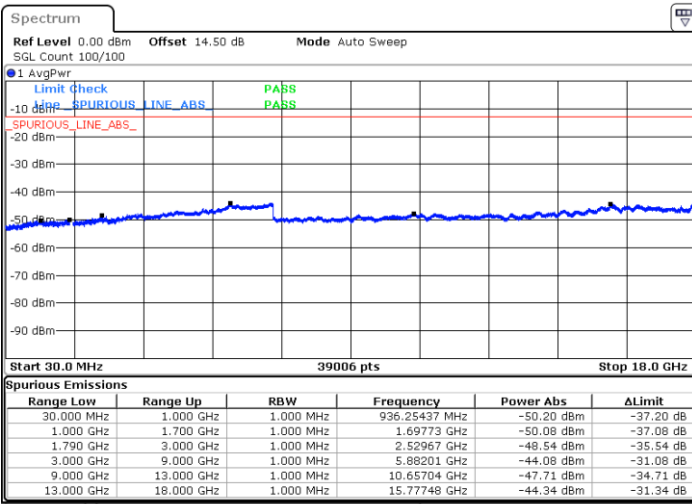
Highest Channel / 16QAM



LTE Band 66 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1.FEB.2021 09:47:18

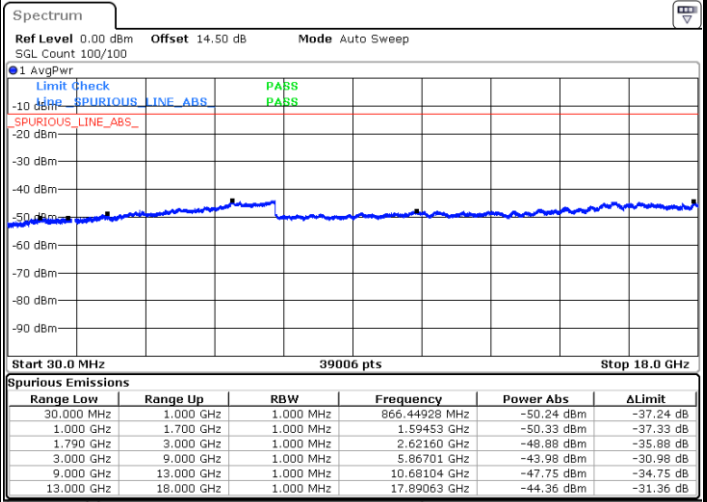
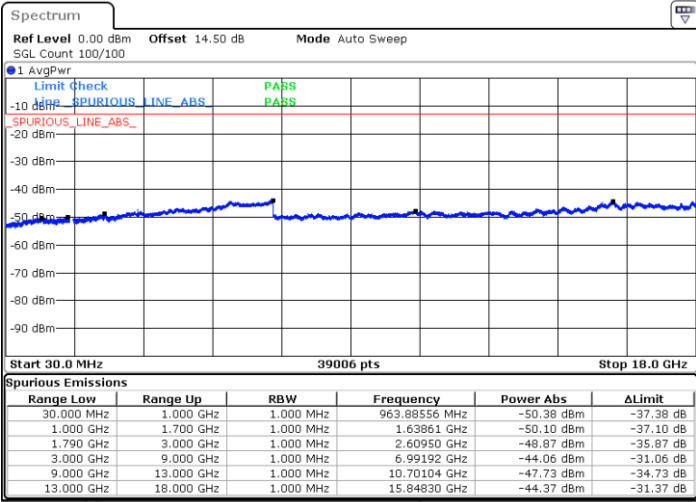
Date: 1.FEB.2021 09:48:08



LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

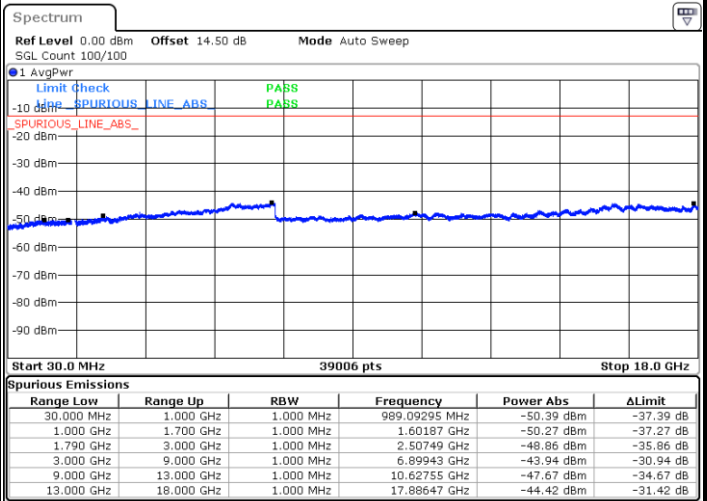
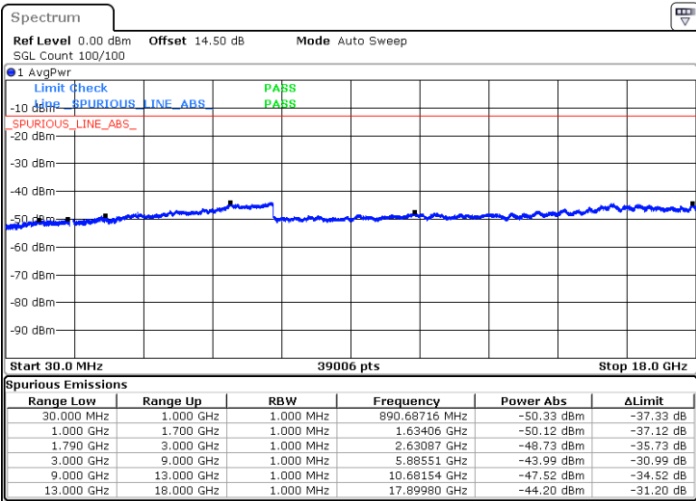


Date: 1.FEB.2021 09:49:42

Date: 1.FEB.2021 09:50:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.FEB.2021 09:56:21

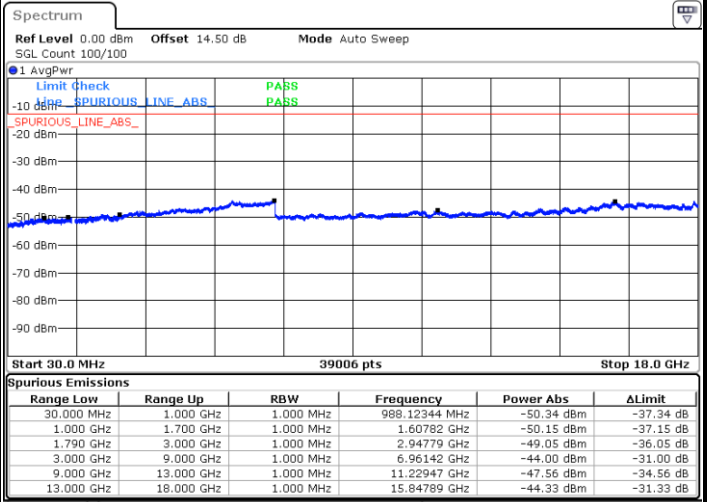
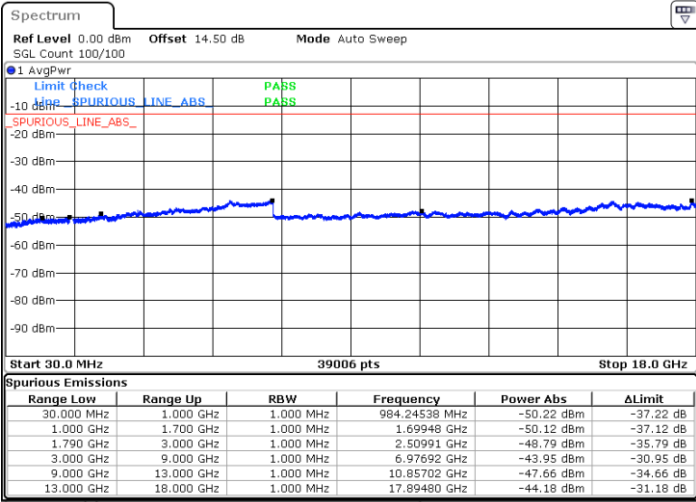
Date: 1.FEB.2021 09:57:11



LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

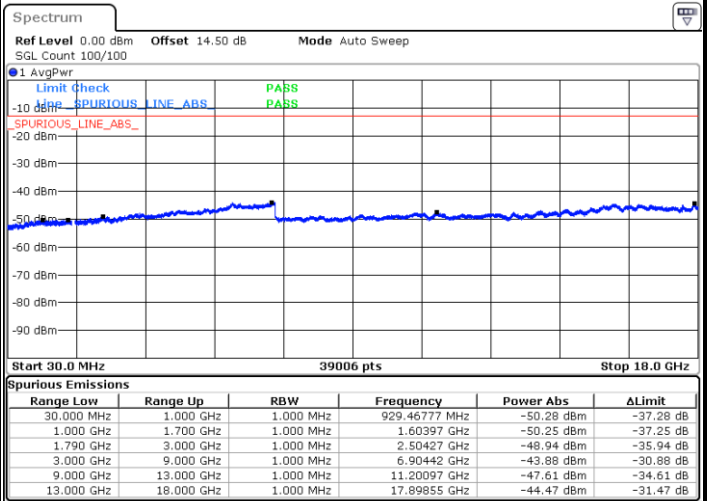
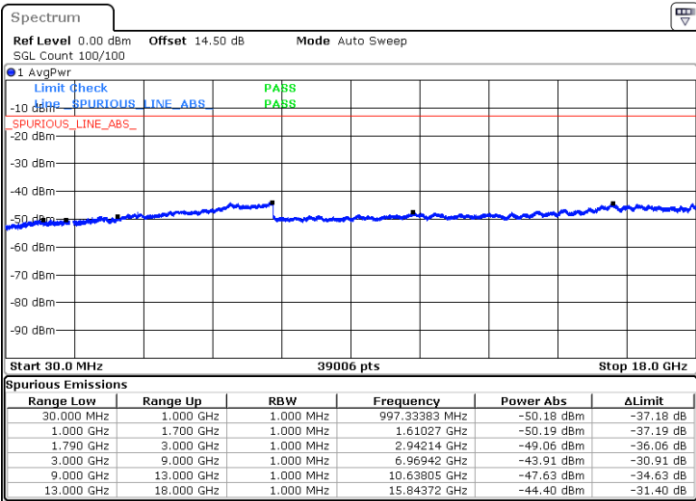


Date: 1.FEB.2021 10:16:44

Date: 1.FEB.2021 10:19:34

Middle Channel / QPSK

Middle Channel / 16QAM



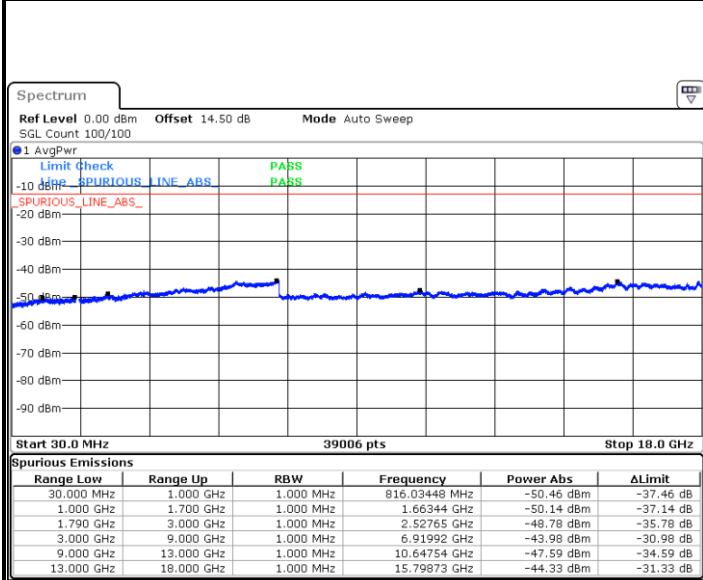
Date: 1.FEB.2021 10:21:08

Date: 1.FEB.2021 10:21:58



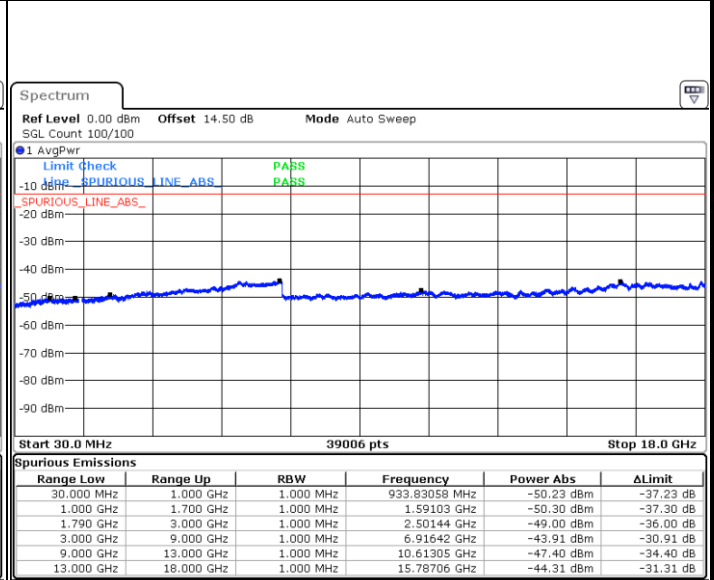
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 1.FEB.2021 10:27:48

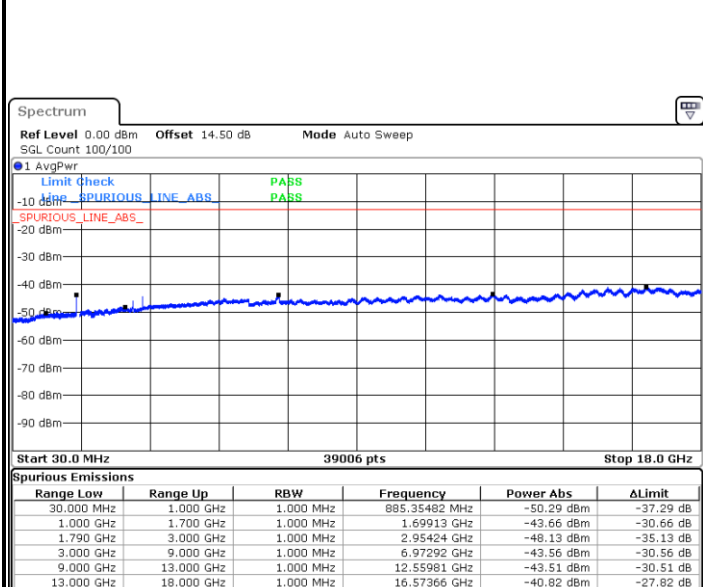
Highest Channel / 16QAM



Date: 1.FEB.2021 10:28:37

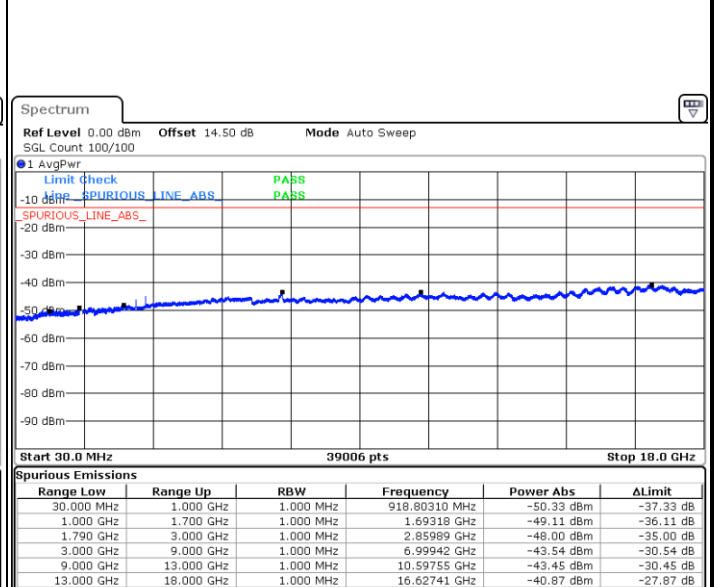
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 1.FEB.2021 10:27:48

Lowest Channel / 16QAM



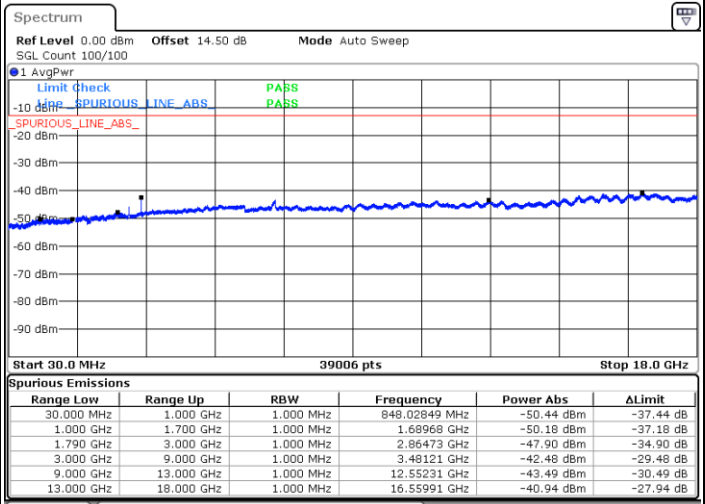
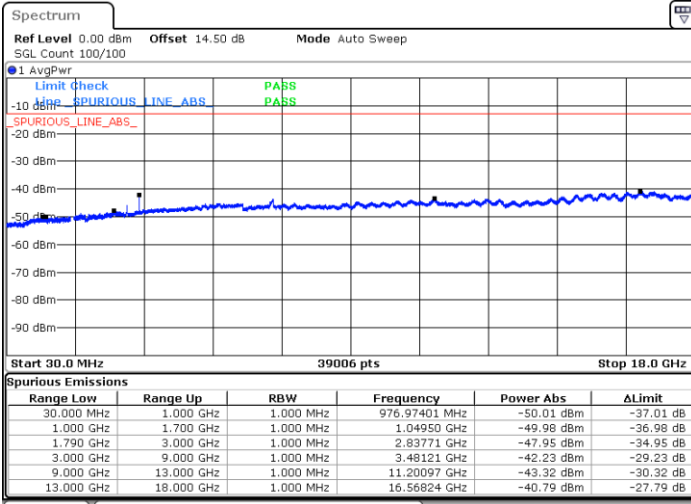
Date: 1.FEB.2021 10:28:37



LTE Band 66 / 10MHz

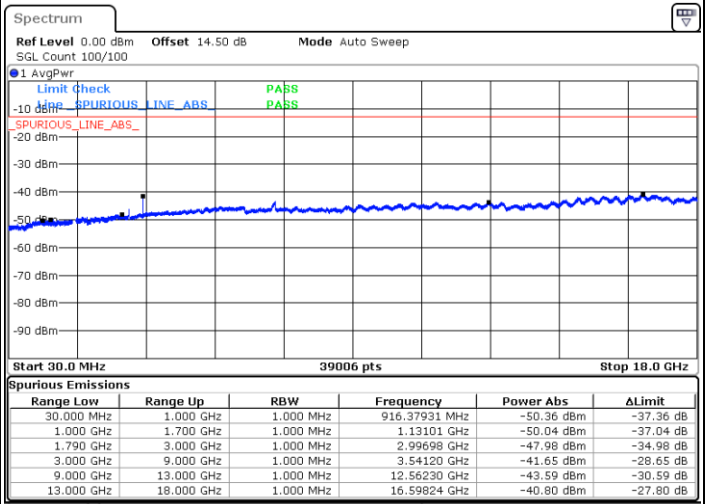
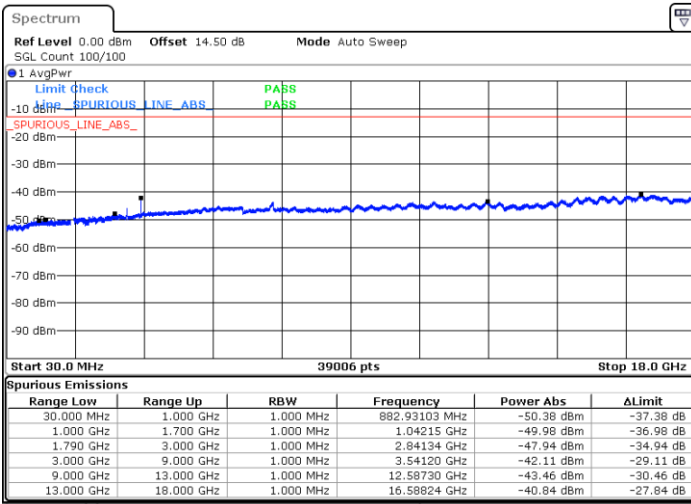
Middle Channel / QPSK

Middle Channel / 16QAM



Highest Channel / QPSK

Highest Channel / 16QAM

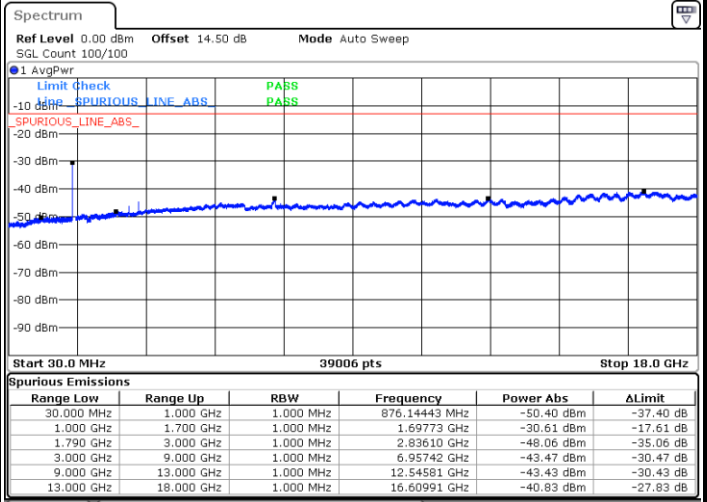
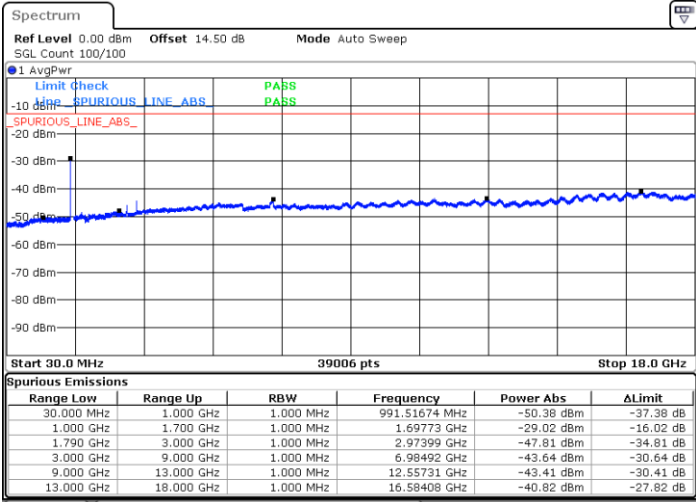




LTE Band 66 / 15MHz

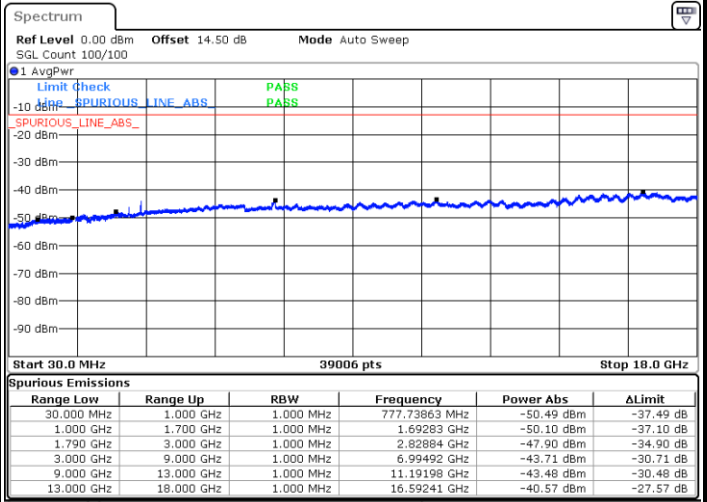
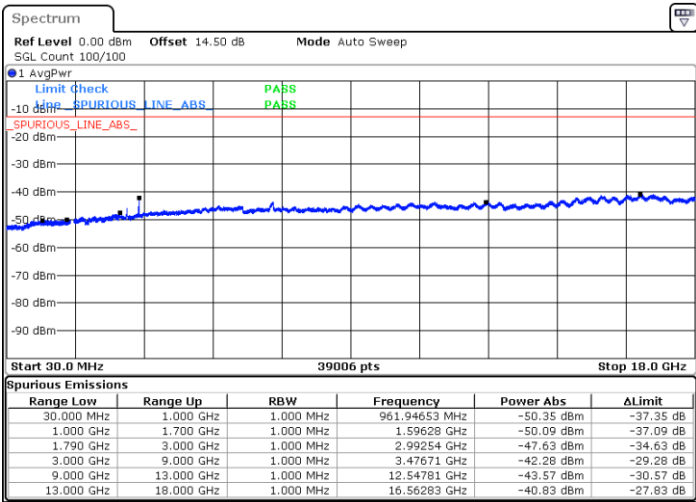
Lowest Channel / QPSK

Lowest Channel / 16QAM



Middle Channel / QPSK

Middle Channel / 16QAM

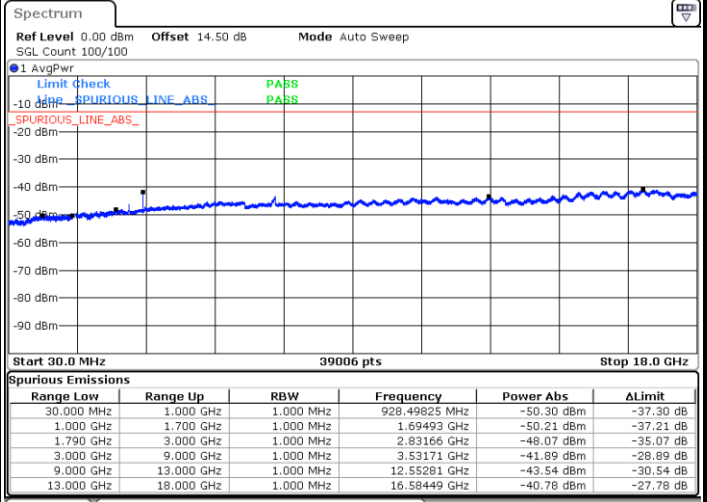
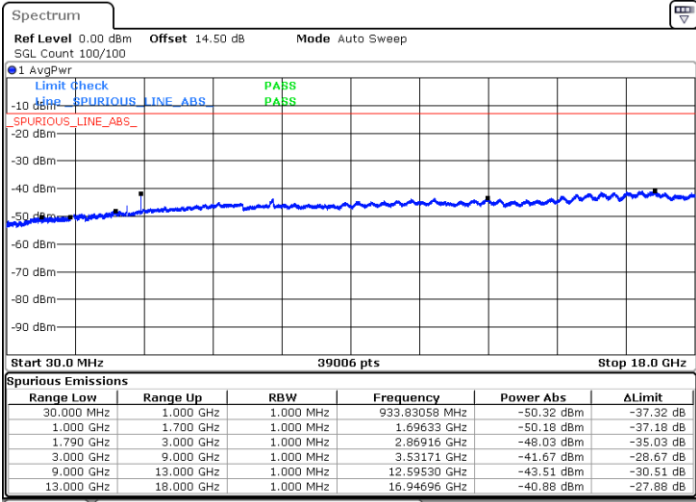




LTE Band 66 / 15MHz

Highest Channel / QPSK

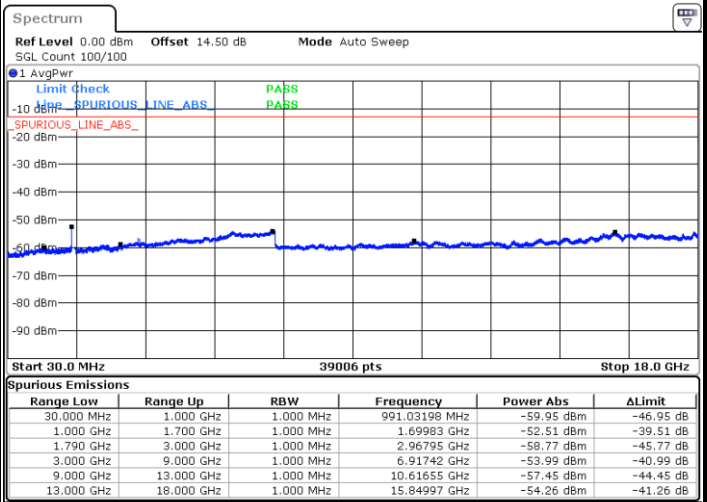
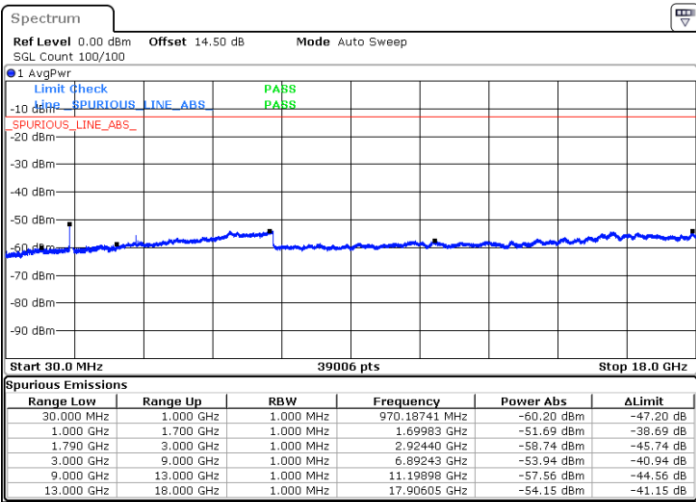
Highest Channel / 16QAM



LTE Band 66 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1.FEB.2021 11:21:35

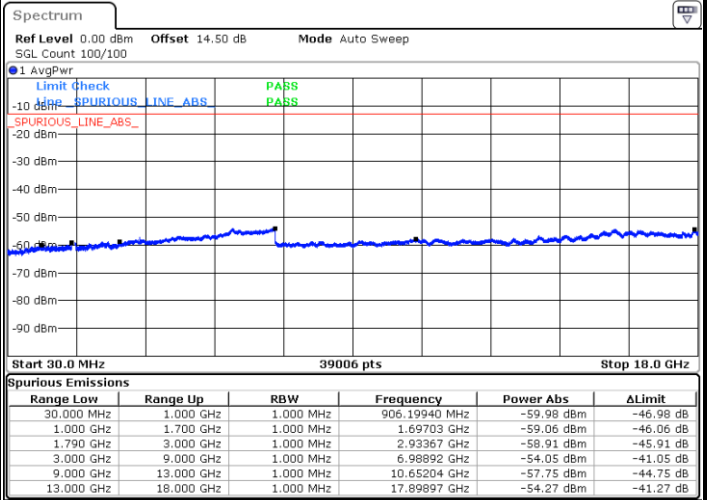
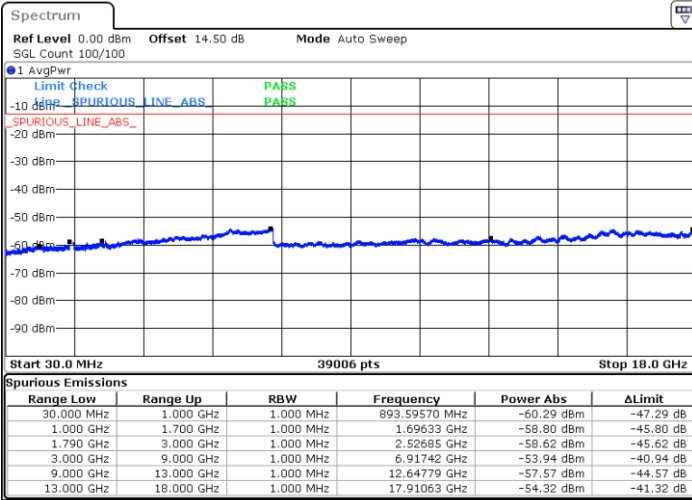
Date: 1.FEB.2021 11:22:24



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

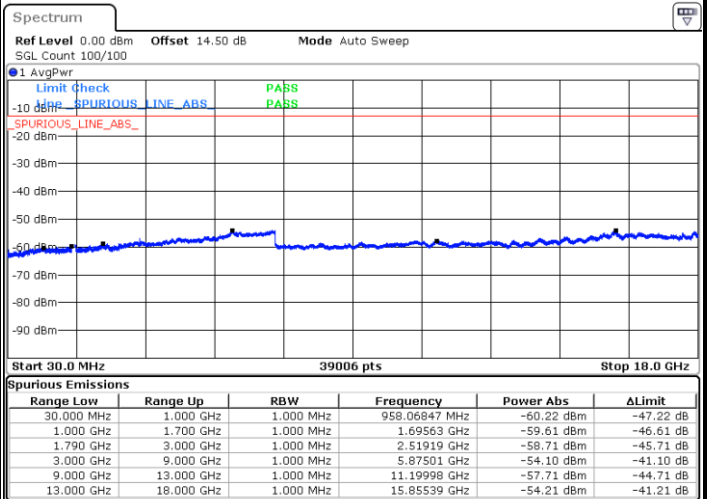
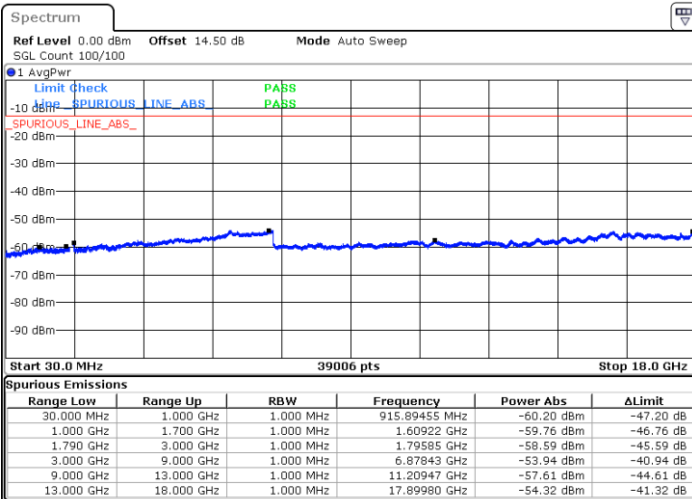


Date: 1.FEB.2021 11:23:58

Date: 1.FEB.2021 11:24:48

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.FEB.2021 11:30:38

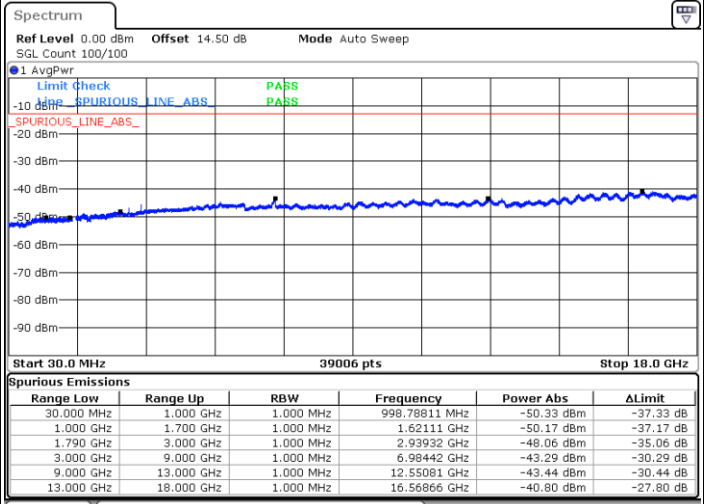
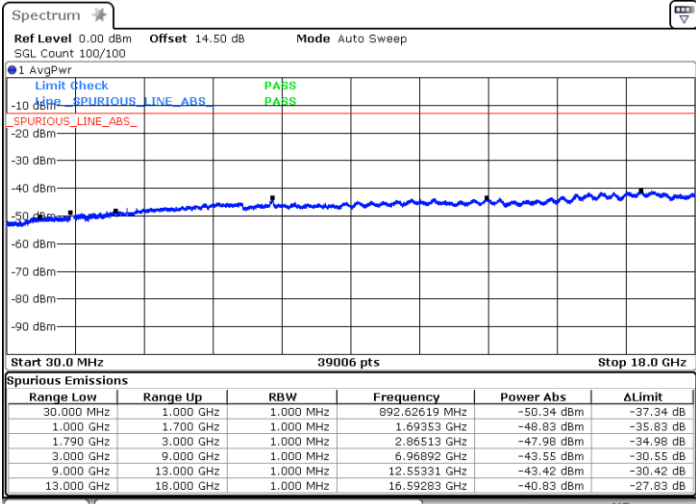
Date: 1.FEB.2021 11:31:28



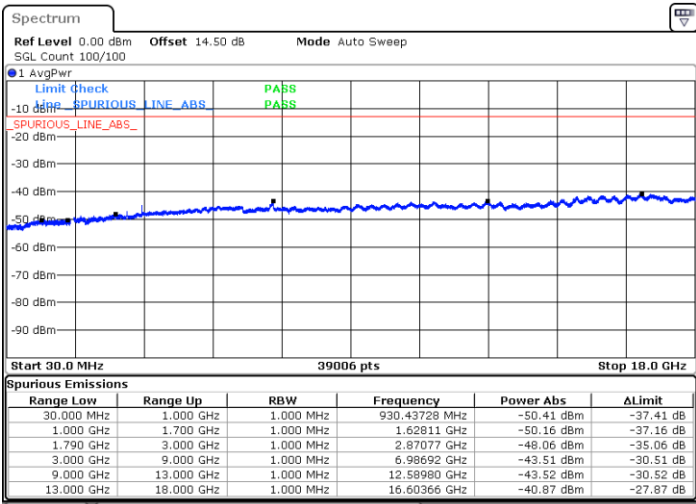
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM

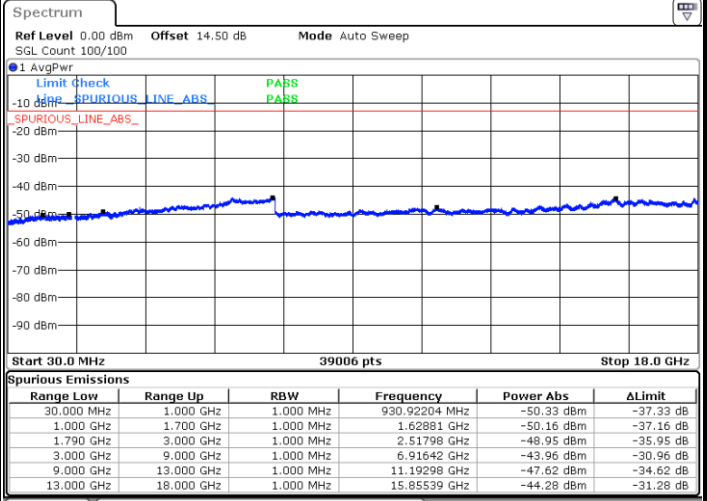
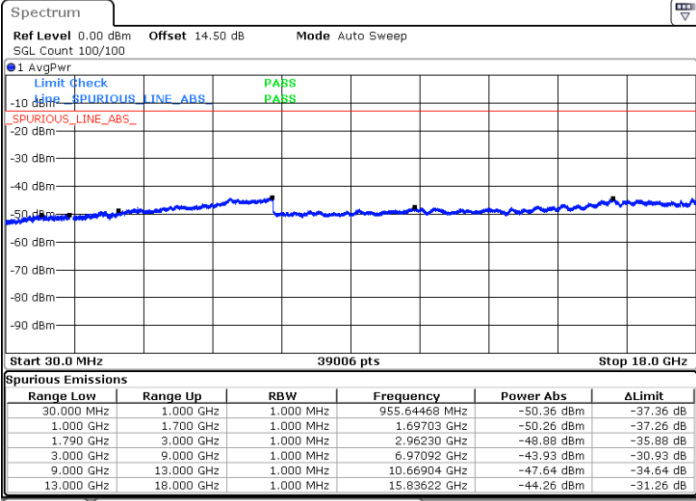




LTE Band 66 / 3MHz

Lowest Channel / 64QAM

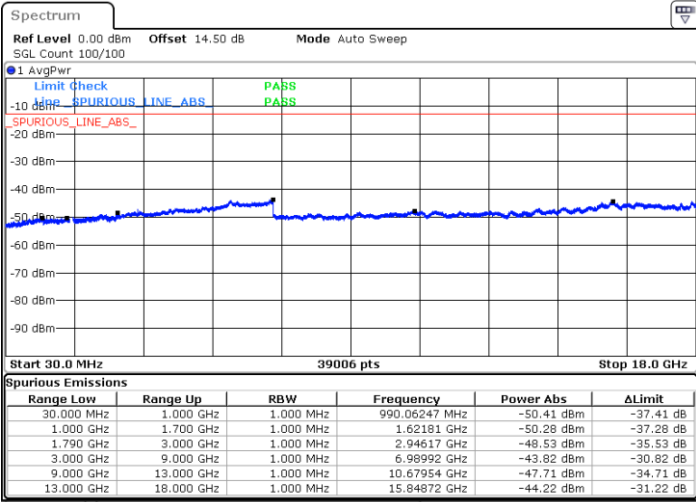
Middle Channel / 64QAM



Date: 1.FEB.2021 10:00:31

Date: 1.FEB.2021 10:01:43

Highest Channel / 64QAM



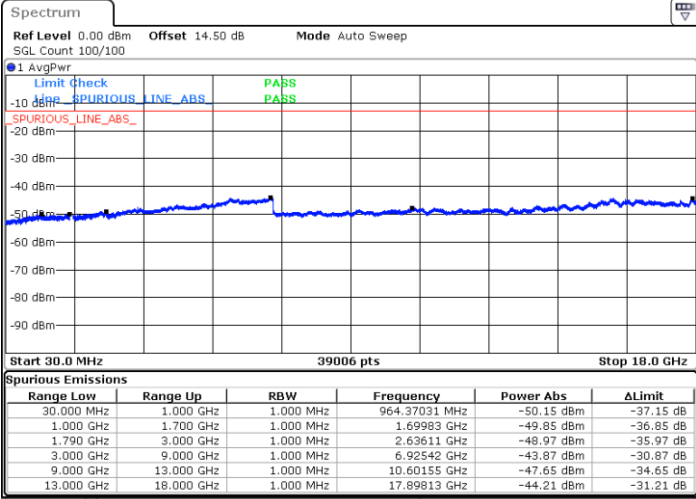
Date: 1.FEB.2021 10:05:03



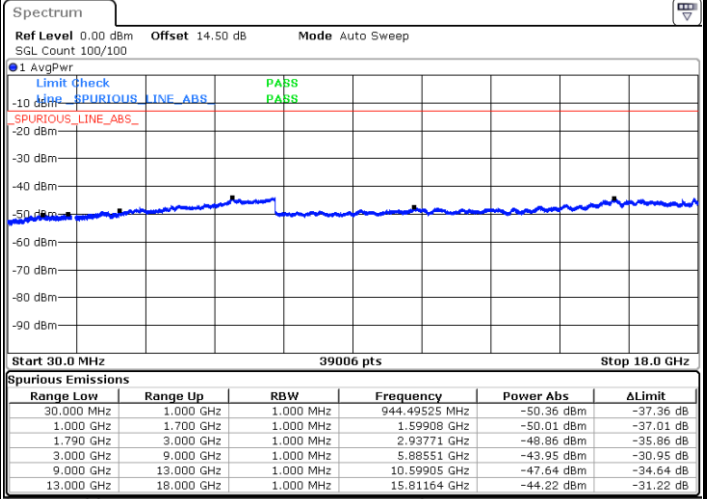
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

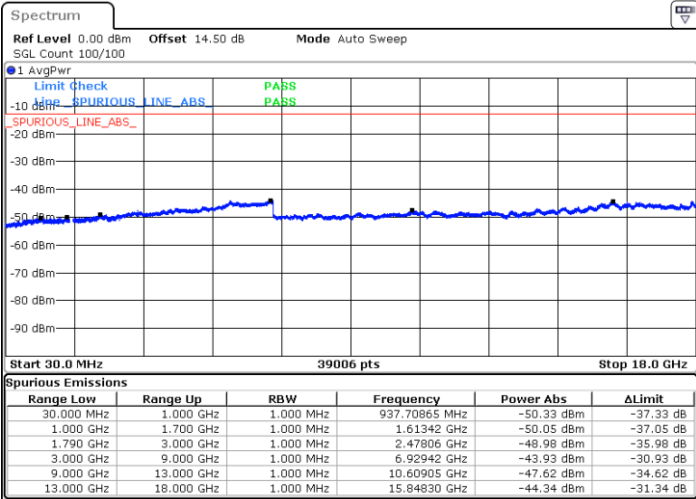


Date: 1.FEB.2021 10:08:23



Date: 1.FEB.2021 10:09:35

Highest Channel / 64QAM



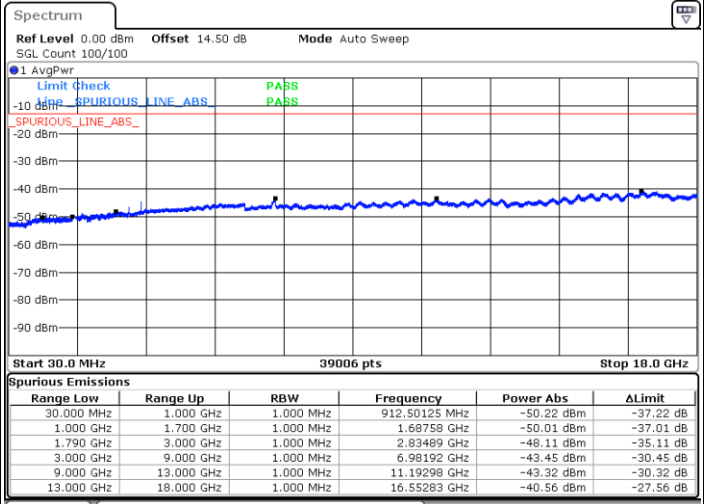
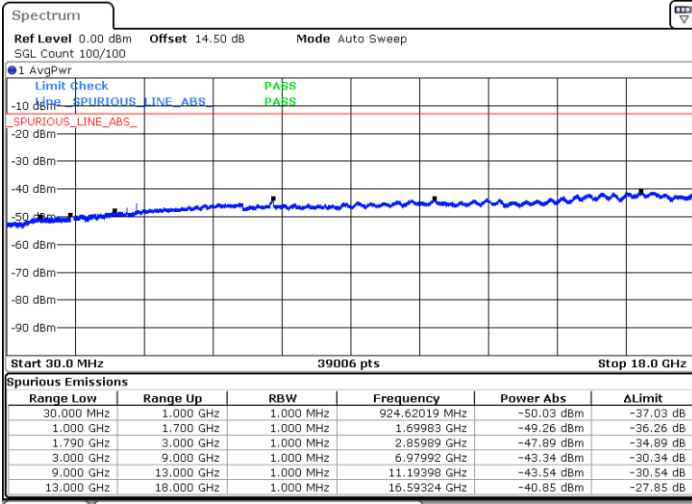
Date: 1.FEB.2021 10:12:54



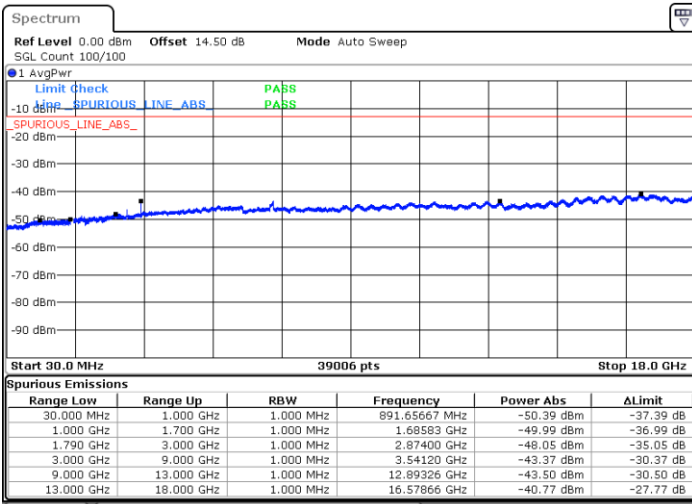
LTE Band 66 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM

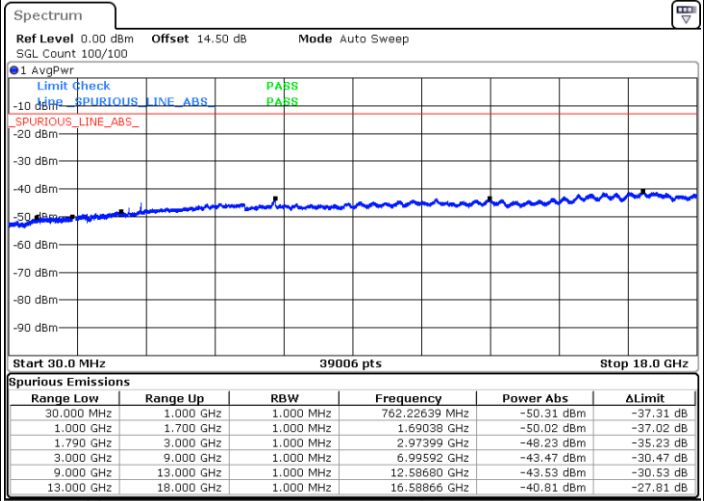
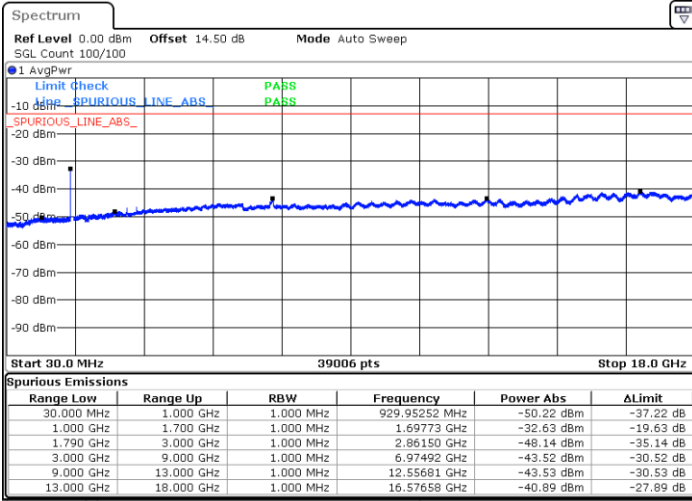




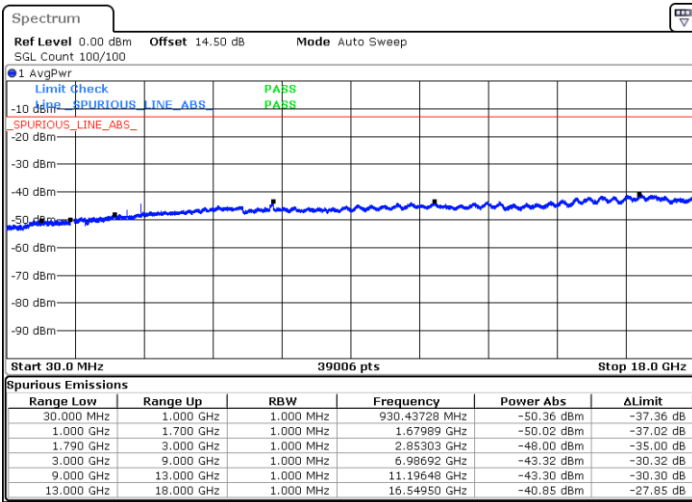
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM

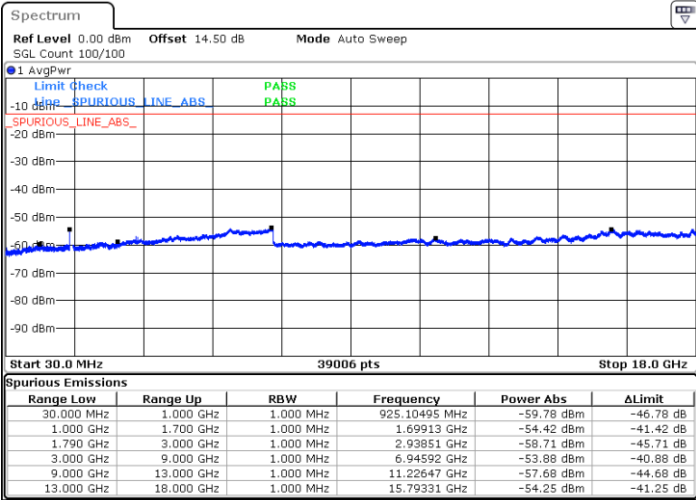




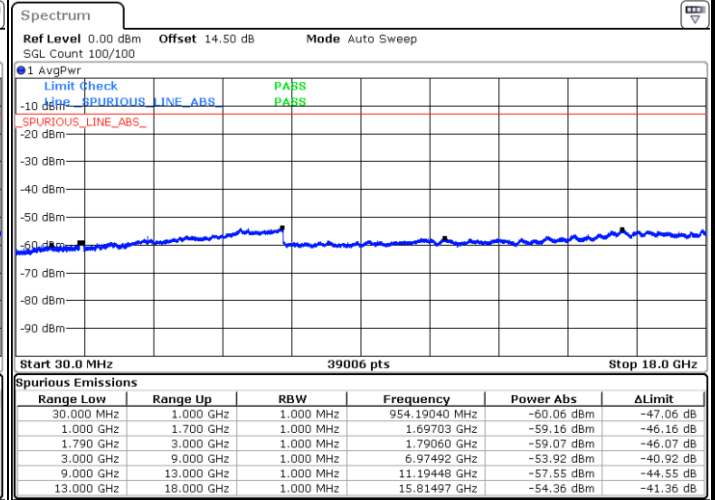
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

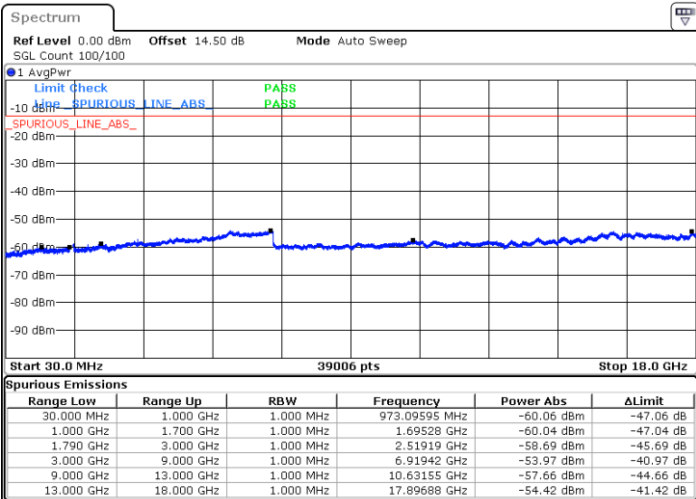


Date: 1.FEB.2021 11:34:48



Date: 1.FEB.2021 11:36:00

Highest Channel / 64QAM



Date: 1.FEB.2021 11:39:19



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	0.0012	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna:

LTE Band 12 / 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	1406	-59.72	-13	-46.72	-69.87	-62.97	4.00	9.40	H
	2109	-56.93	-13	-43.93	-69.93	-60.50	4.88	10.60	H
	2812	-57.23	-13	-44.23	-73.05	-62.16	5.52	12.60	H
	3515	-47.37	-13	-34.37	-65.30	-51.84	6.00	12.62	H
	4218	-57.19	-13	-44.19	-77.53	-60.60	7.14	12.70	H
	4921	-55.08	-13	-42.08	-78.01	-58.31	7.62	13.00	H
	1406	-60.84	-13	-47.84	-70.55	-64.09	4.00	9.40	V
	2109	-56.94	-13	-43.94	-69.89	-60.51	4.88	10.60	V
	2812	-58.04	-13	-45.04	-74.05	-62.97	5.52	12.60	V
	3515	-47.49	-13	-34.49	-65.36	-51.96	6.00	12.62	V
	4218	-56.21	-13	-43.21	-76.71	-59.62	7.14	12.70	V
	4921	-55.09	-13	-42.09	-78.17	-58.32	7.62	13.00	V

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

LTE Band 13 / 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	1559.5	-65.45	-42.15	-23.30	-73.69	-68.70	4.00	9.40	H
	2339.25	-62.13	-13	-49.13	-75.12	-65.70	4.88	10.60	H
	3119	-56.21	-13	-43.21	-71.37	-61.14	5.52	12.60	H
	1559.5	-65.20	-42.15	-23.05	-73.52	-68.45	4.00	9.40	V
	2339.25	-62.22	-13	-49.22	-75.21	-65.79	4.88	10.60	V
	3119	-56.30	-13	-43.30	-71.50	-61.23	5.52	12.60	V

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



LTE Band 25 / 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	3747	-60.45	-13	-47.45	-77.02	-67.20	5.85	12.60	H
	5620.5	-57.73	-13	-44.73	-78.33	-63.53	7.30	13.10	H
	7494	-54.27	-13	-41.27	-78.87	-57.42	8.35	11.50	H
	3747	-60.51	-13	-47.51	-77.01	-67.26	5.85	12.60	V
	5620.5	-58.46	-13	-45.46	-78.78	-64.26	7.30	13.10	V
	7494	-54.42	-13	-41.42	-79.01	-57.57	8.35	11.50	V

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

LTE Band 26 / 15MHz / 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	1659.5	-62.24	-13	-49.24	-71.97	-65.49	4.00	9.40	H
	2489.25	-54.93	-13	-41.93	-69.17	-58.50	4.88	10.60	H
	3319	-50.00	-13	-37.00	-66.64	-54.93	5.52	12.60	H
	4148.75	-55.72	-13	-42.72	-76.01	-60.19	6.00	12.62	H
	4978.5	-53.83	-13	-40.83	-76.80	-57.24	7.14	12.70	H
	1659.5	-58.99	-13	-45.99	-68.32	-62.24	4.00	9.40	V
	2489.25	-55.78	-13	-42.78	-69.98	-59.35	4.88	10.60	V
	3319	-42.88	-13	-29.88	-59.30	-47.81	5.52	12.60	V
	4148.75	-51.34	-13	-38.34	-71.64	-55.81	6.00	12.62	V
	4978.5	-54.22	-13	-41.22	-77.27	-57.63	7.14	12.70	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	-62.18	-13	-49.18	-77.18	-69.03	5.65	12.50	H
	5208	-60.53	-13	-47.53	-80.07	-66.20	7.13	12.80	H
	6944	-53.88	-13	-40.88	-77.94	-57.28	8.40	11.80	H
	8680	-45.75	-13	-32.75	-73.36	-48.60	8.75	11.60	H
	10416	-50.02	-13	-37.02	-80.03	-51.44	10.58	12.00	H
	12152	-41.32	-13	-28.32	-71.83	-42.74	11.78	13.20	H
	3472	-62.12	-13	-49.12	-77.14	-68.97	5.65	12.50	V
	5208	-60.08	-13	-47.08	-79.87	-65.75	7.13	12.80	V
	6944	-53.18	-13	-40.18	-77.71	-56.58	8.40	11.80	V
	8680	-47.50	-13	-34.50	-74.33	-50.35	8.75	11.60	V
	10416	-50.45	-13	-37.45	-79.74	-51.87	10.58	12.00	V
	12152	-42.66	-13	-29.66	-72.5	-44.08	11.78	13.20	V

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



Bottom Antenna:

LTE Band 12 / 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	1406	-62.53	-13	-49.53	-72.68	-65.78	4.00	9.40	H
	2109	-61.66	-13	-48.66	-74.66	-65.23	4.88	10.60	H
	2812	-54.33	-13	-41.33	-70.15	-59.26	5.52	12.60	H
	3515	-42.59	-13	-29.59	-60.52	-47.06	6.00	12.62	H
	4218	-54.82	-13	-41.82	-75.16	-58.23	7.14	12.70	H
	4921	-55.06	-13	-42.06	-77.99	-58.29	7.62	13.00	H
	1406	-63.15	-13	-50.15	-72.86	-66.40	4.00	9.40	V
	2109	-61.32	-13	-48.32	-74.27	-64.89	4.88	10.60	V
	2812	-54.29	-13	-41.29	-70.30	-59.22	5.52	12.60	V
	3515	-42.36	-13	-29.36	-60.23	-46.83	6.00	12.62	V
	4218	-54.95	-13	-41.95	-75.45	-58.36	7.14	12.70	V
	4921	-55.18	-13	-42.18	-78.26	-58.41	7.62	13.00	V

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

LTE Band 13 / 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	1559.5	-64.86	-42.15	-22.71	-73.10	-68.11	4.00	9.40	H
	2339.25	-62.09	-13	-49.09	-75.08	-65.66	4.88	10.60	H
	3119	-52.27	-13	-39.27	-67.43	-57.20	5.52	12.60	H
	3898.75	-56.18	-13	-43.18	-73.28	-60.65	6.00	12.62	H
	1559.5	-64.95	-42.15	-22.80	-73.27	-68.20	4.00	9.40	V
	2339.25	-62.11	-13	-49.11	-75.10	-65.68	4.88	10.60	V
	3119	-52.37	-13	-39.37	-67.57	-57.30	5.52	12.60	V
	3898.75	-56.10	-13	-43.10	-73.20	-60.57	6.00	12.62	V

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



LTE Band 25 / 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	3747	-60.48	-13	-47.48	-77.05	-67.23	5.85	12.60	H
	5620.5	-58.03	-13	-45.03	-78.63	-63.83	7.30	13.10	H
	7494	-54.14	-13	-41.14	-78.74	-57.29	8.35	11.50	H
	9368.75	-47.07	-13	-34.07	-77.57	-49.22	9.85	12.00	H
	3747	-60.38	-13	-47.38	-76.88	-67.13	5.85	12.60	V
	5620.5	-58.93	-13	-45.93	-79.25	-64.73	7.30	13.10	V
	7494	-54.45	-13	-41.45	-79.04	-57.60	8.35	11.50	V
	9368.75	-46.98	-13	-33.98	-76.58	-49.13	9.85	12.00	V

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

LTE Band 26 / 15MHz / 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	1659.5	-64.48	-13	-51.48	-74.21	-67.73	4.00	9.40	H
	2489.25	-61.99	-13	-48.99	-76.23	-65.56	4.88	10.60	H
	3319	-41.71	-13	-28.71	-58.35	-46.64	5.52	12.60	H
	4148.75	-54.03	-13	-41.03	-74.32	-58.50	6.00	12.62	H
	4978.5	-50.46	-13	-37.46	-73.43	-53.87	7.14	12.70	H
	1659.5	-65.12	-13	-52.12	-74.45	-68.37	4.00	9.40	V
	2489.25	-61.80	-13	-48.80	-76.00	-65.37	4.88	10.60	V
	3319	-43.12	-13	-30.12	-59.54	-48.05	5.52	12.60	V
	4148.75	-55.27	-13	-42.27	-75.57	-59.74	6.00	12.62	V
	4978.5	-54.61	-13	-41.61	-77.66	-58.02	7.14	12.70	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	-61.83	-13	-48.83	-76.83	-68.68	5.65	12.50	H
	5208	-60.56	-13	-47.56	-80.10	-66.23	7.13	12.80	H
	6944	-54.88	-13	-41.88	-78.94	-58.28	8.40	11.80	H
	8680	-48.46	-13	-35.46	-76.07	-51.31	8.75	11.60	H
	10416	-48.10	-13	-35.10	-78.11	-49.52	10.58	12.00	H
	12152	-36.75	-13	-23.75	-67.26	-38.17	11.78	13.20	H
	3472	-61.85	-13	-48.85	-76.87	-68.70	5.65	12.50	V
	5208	-60.14	-13	-47.14	-79.93	-65.81	7.13	12.80	V
	6944	-54.53	-13	-41.53	-79.06	-57.93	8.40	11.80	V
	8680	-49.13	-13	-36.13	-75.96	-51.98	8.75	11.60	V
	10416	-48.64	-13	-35.64	-77.93	-50.06	10.58	12.00	V
	12152	-38.07	-13	-25.07	-67.91	-39.49	11.78	13.20	V

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