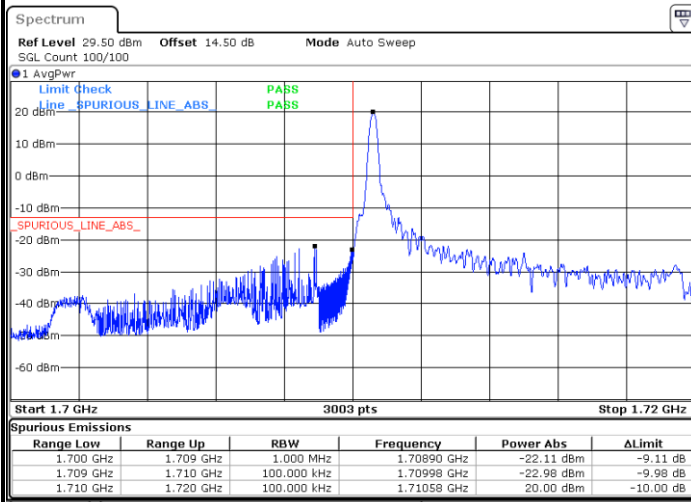


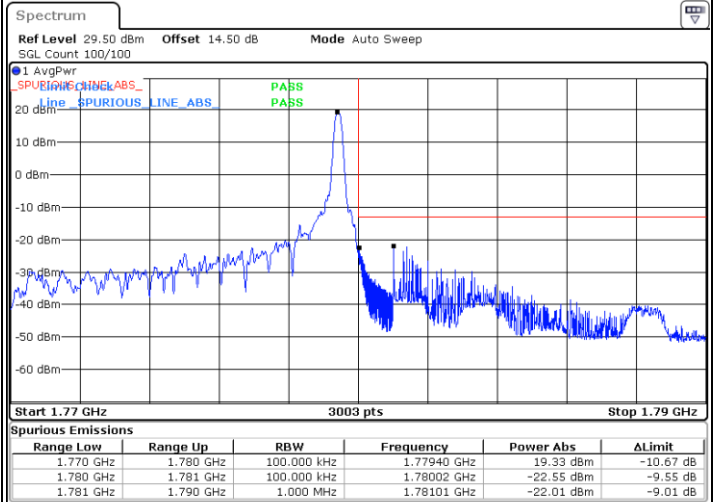


LTE Band 66 / 10MHz / QPSK

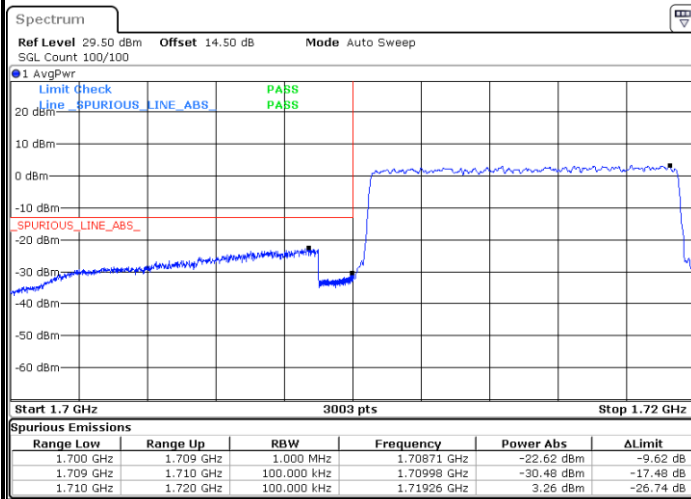
Lowest Band Edge / 1 RB



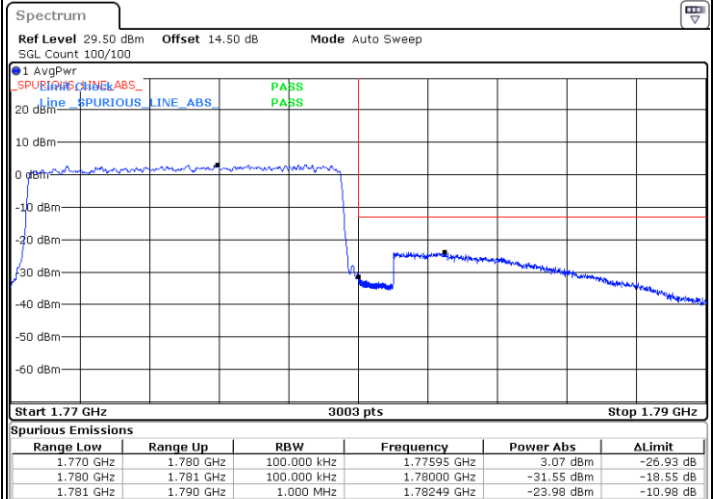
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



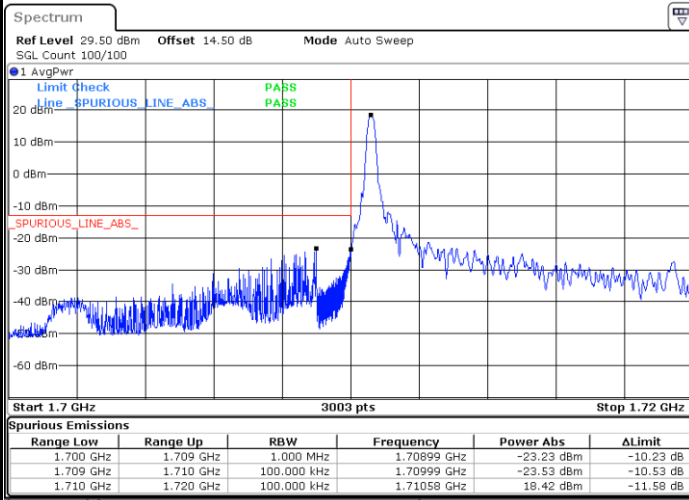
Highest Band Edge / Full RB



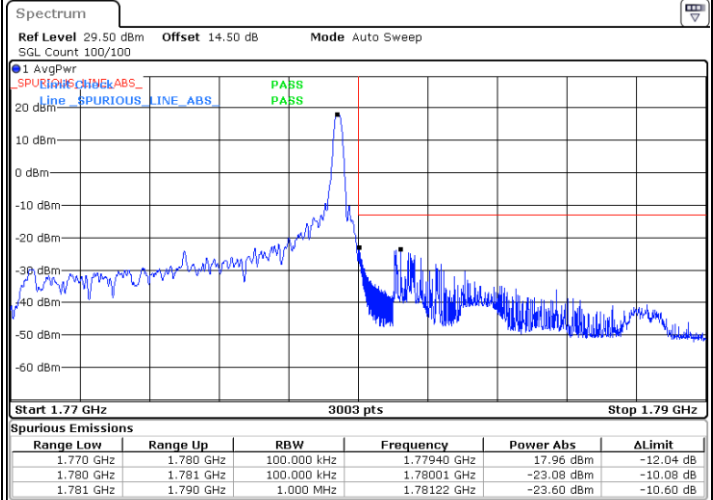


LTE Band 66 / 10MHz / 16QAM

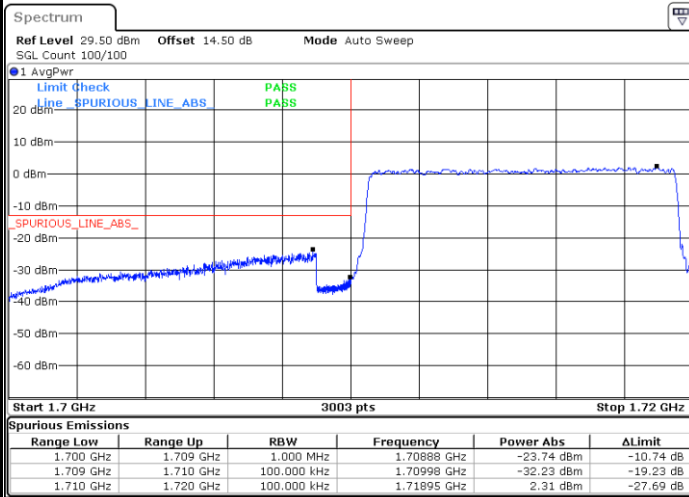
Lowest Band Edge / 1 RB



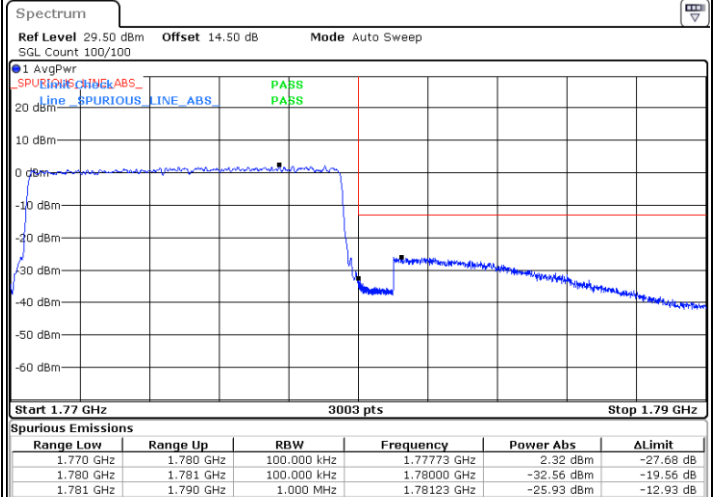
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



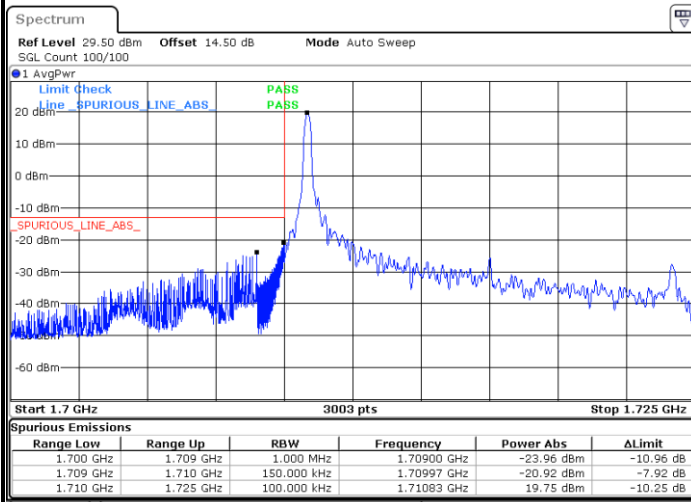
Highest Band Edge / Full RB



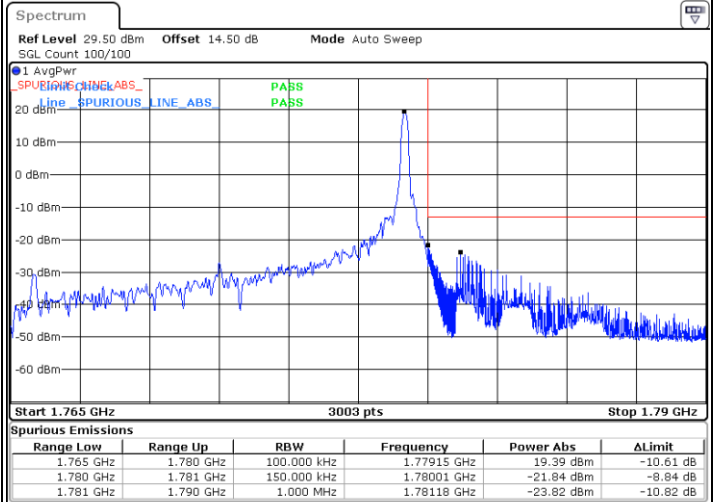


LTE Band 66 / 15MHz / QPSK

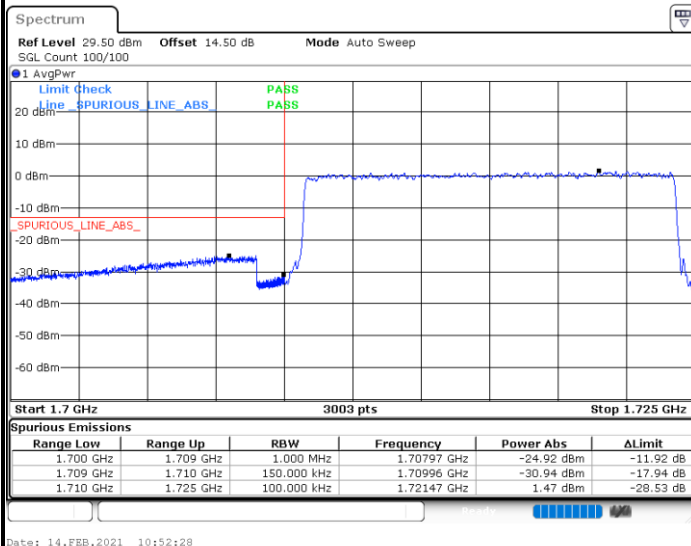
Lowest Band Edge / 1 RB



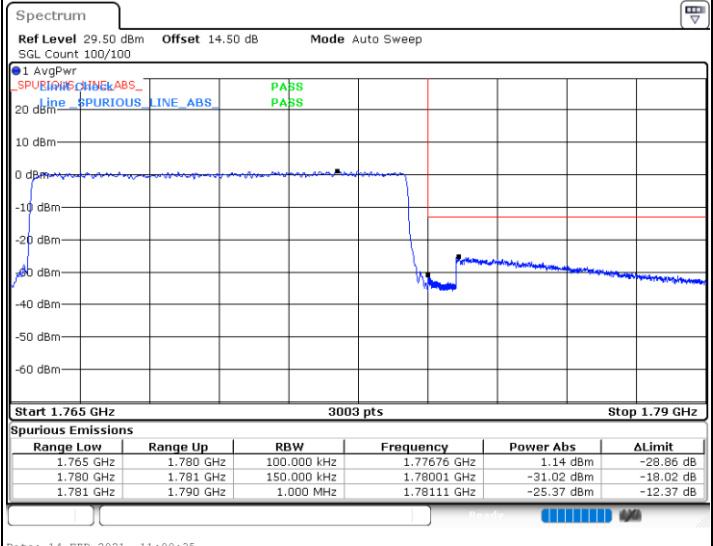
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



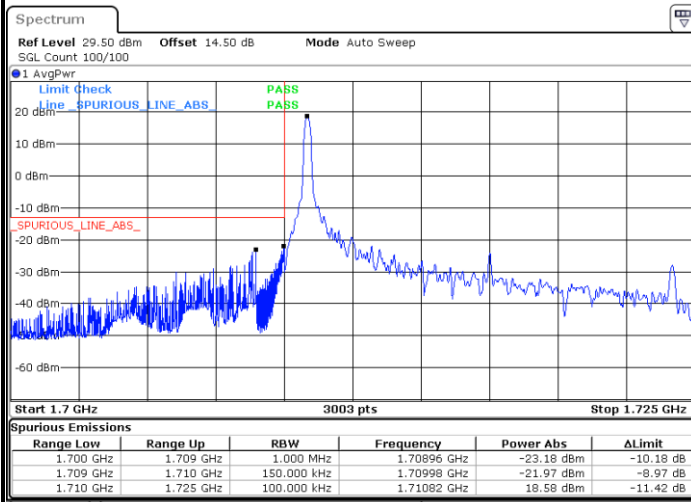
Highest Band Edge / Full RB



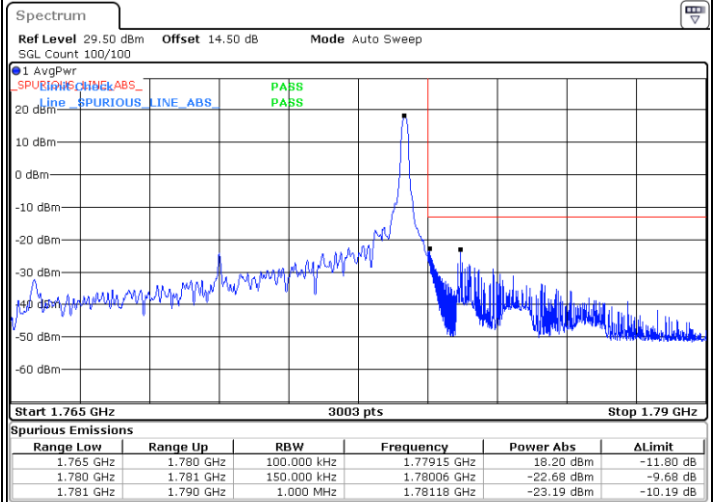


LTE Band 66 / 15MHz / 16QAM

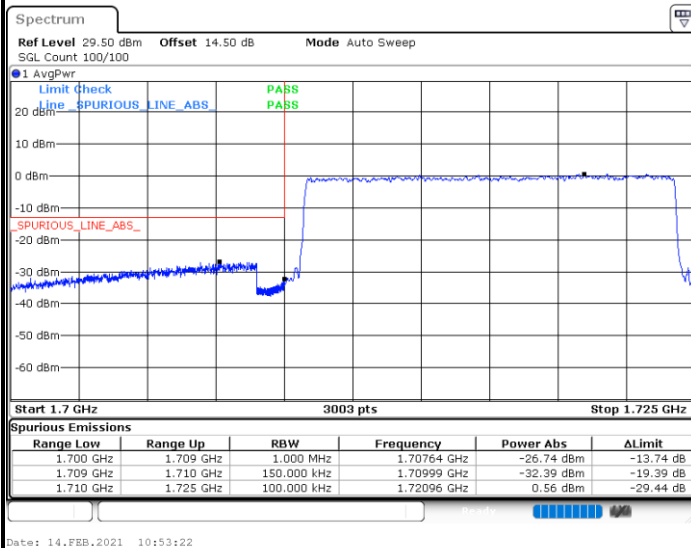
Lowest Band Edge / 1 RB



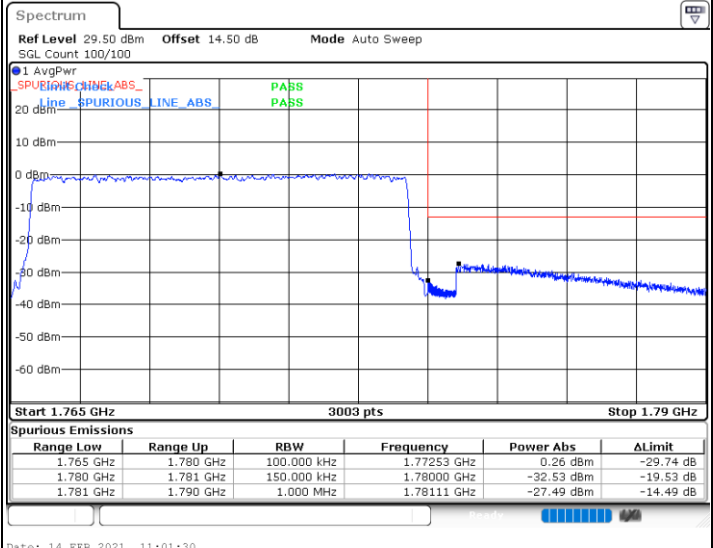
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



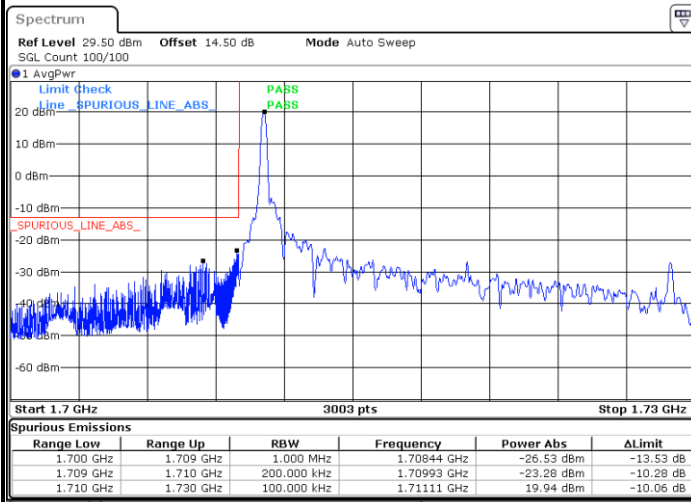
Highest Band Edge / Full RB



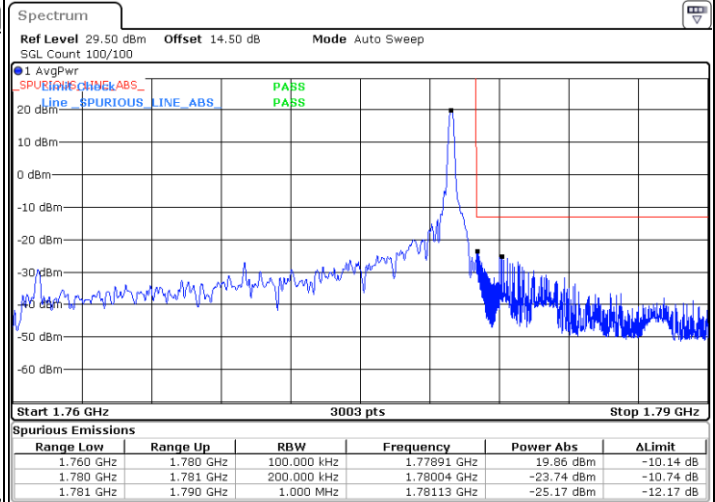


LTE Band 66 / 20MHz / QPSK

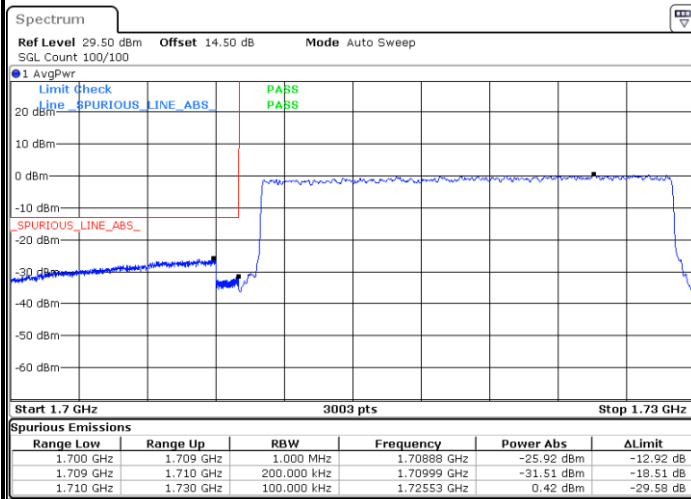
Lowest Band Edge / 1 RB



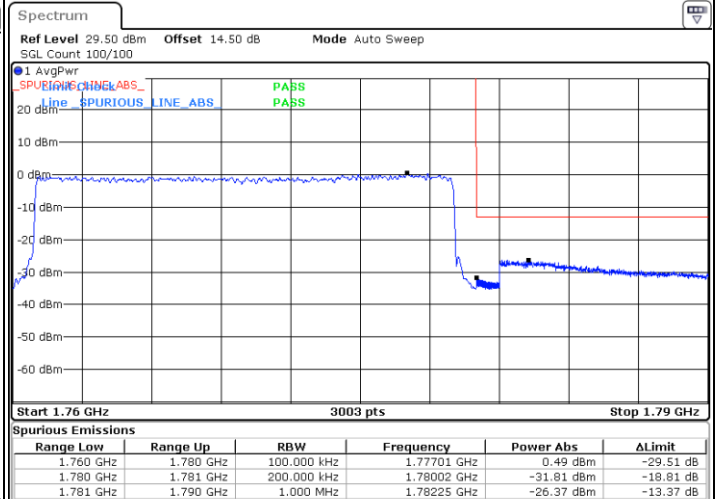
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



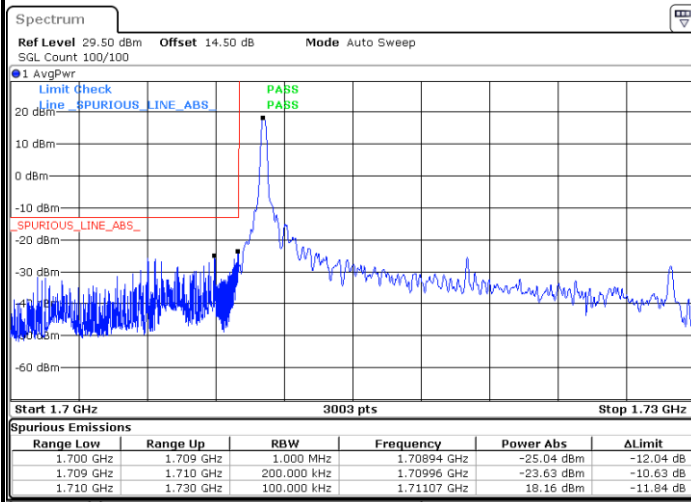
Highest Band Edge / Full RB



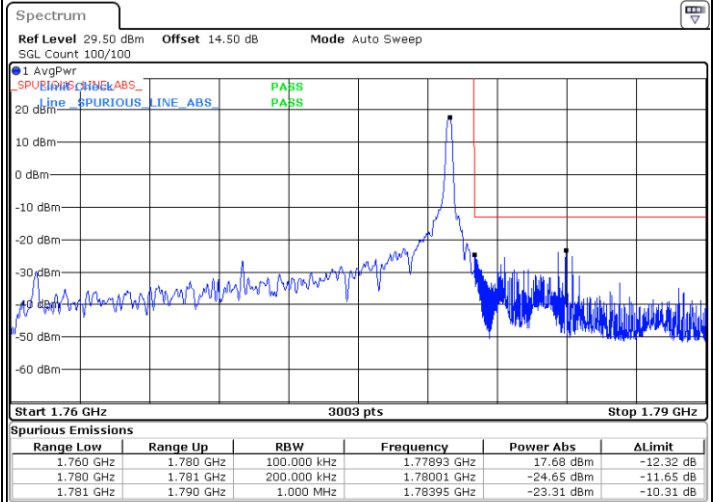


LTE Band 66 / 20MHz / 16QAM

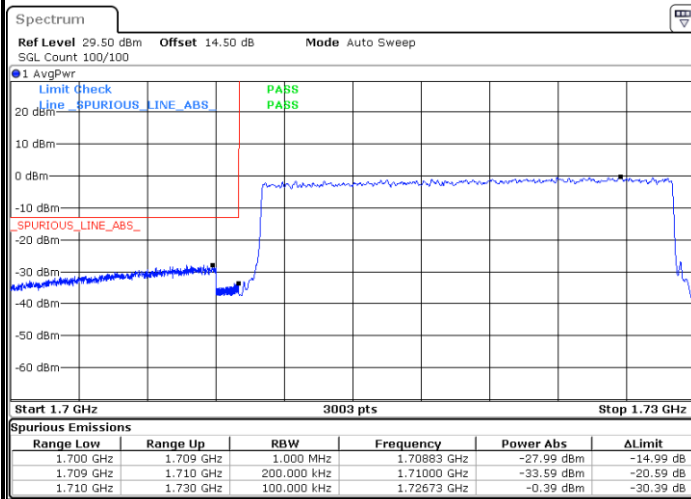
Lowest Band Edge / 1 RB



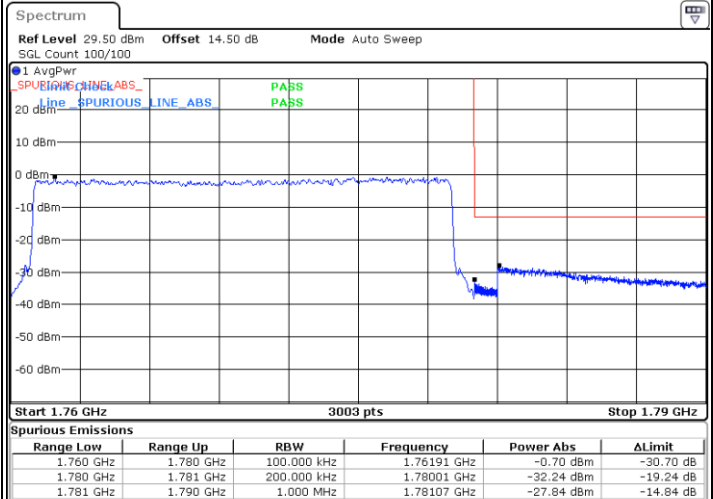
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

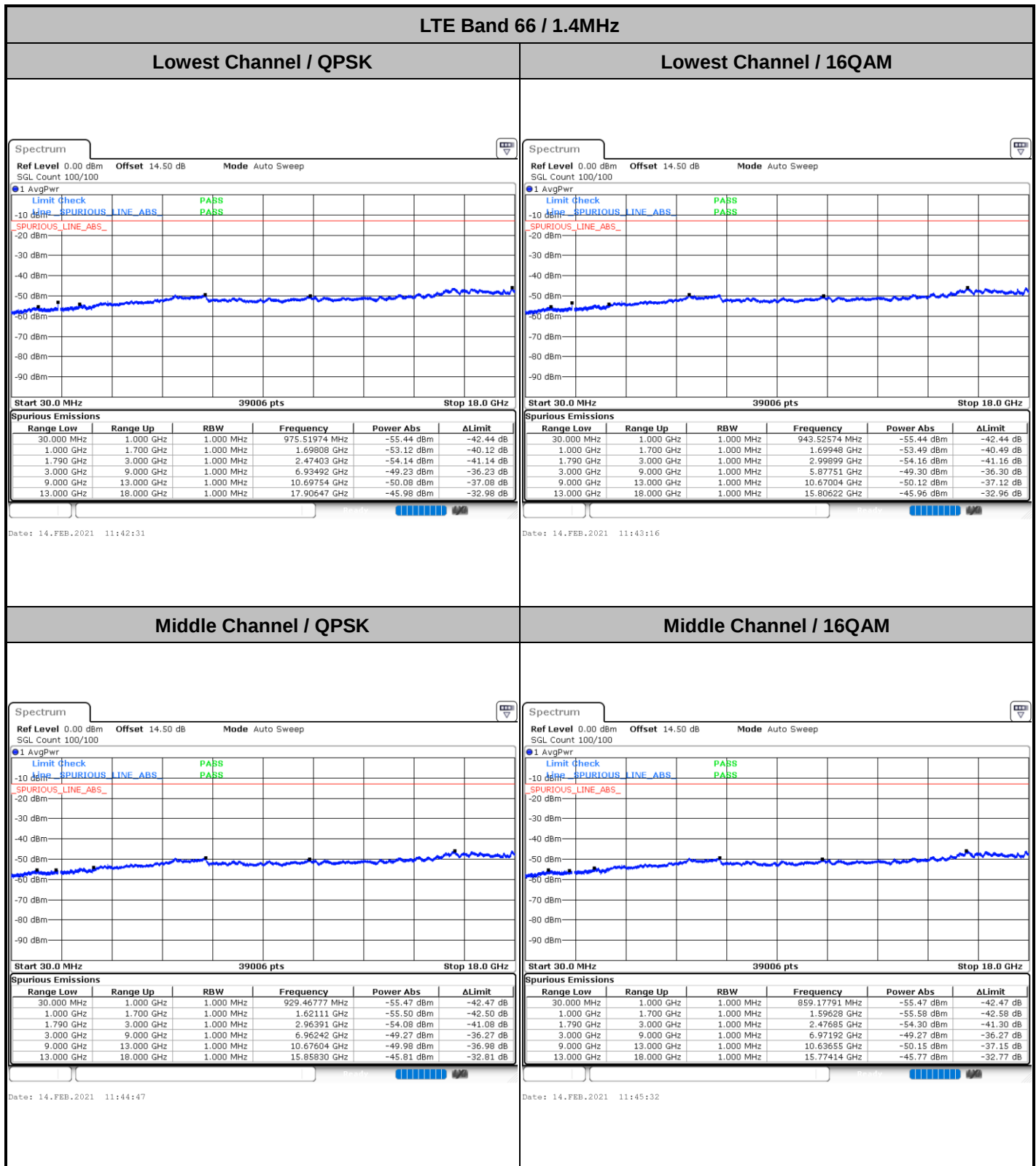


Highest Band Edge / Full RB





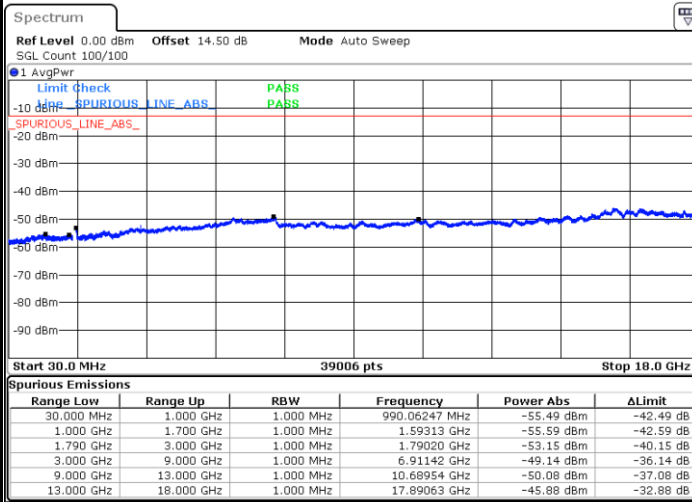
Conducted Spurious Emission





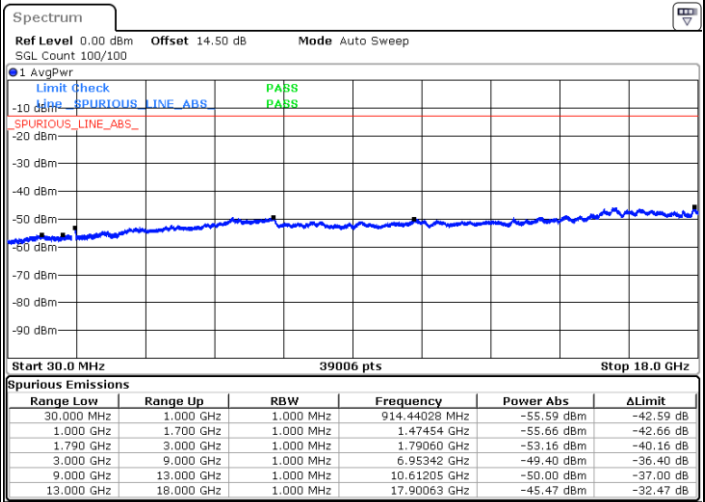
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 14.FEB.2021 11:52:19

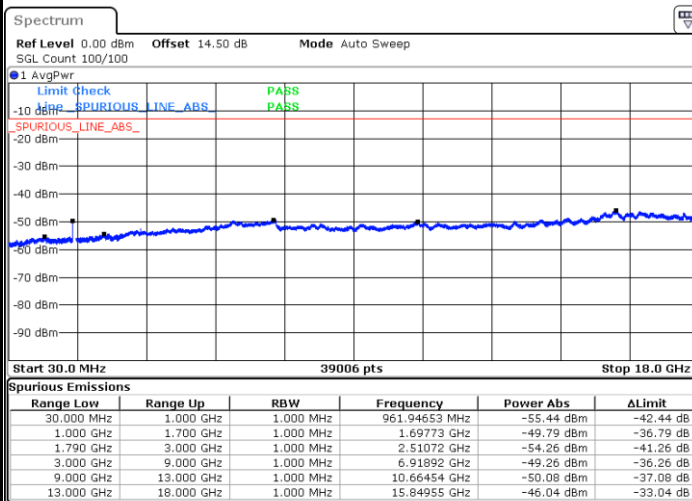
Highest Channel / 16QAM



Date: 14.FEB.2021 11:53:04

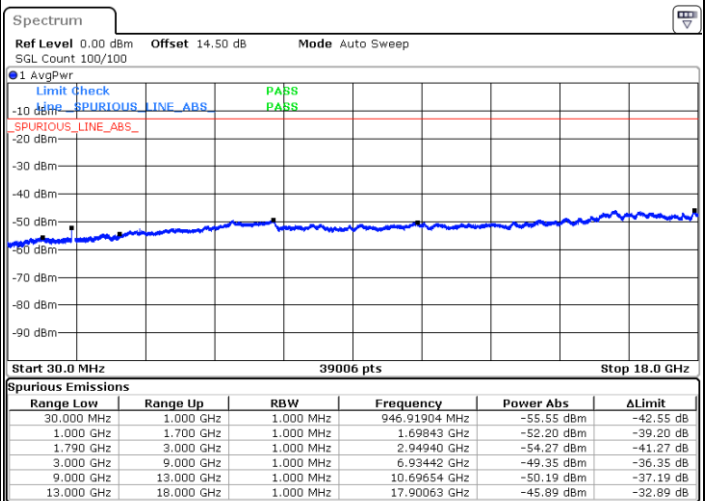
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 14.FEB.2021 10:11:55

Lowest Channel / 16QAM

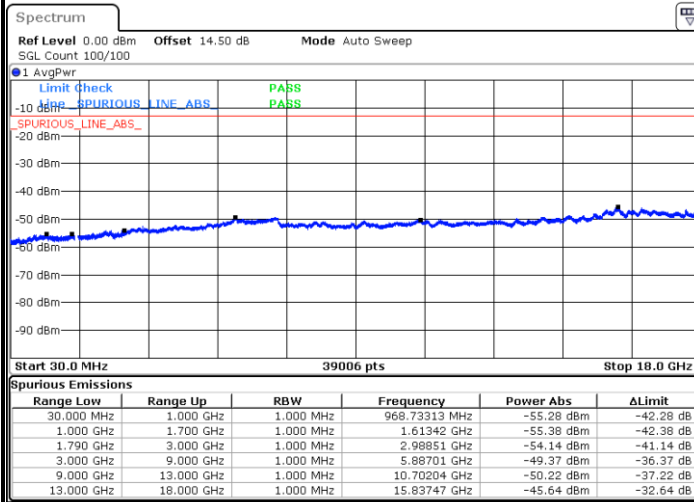


Date: 14.FEB.2021 10:12:41



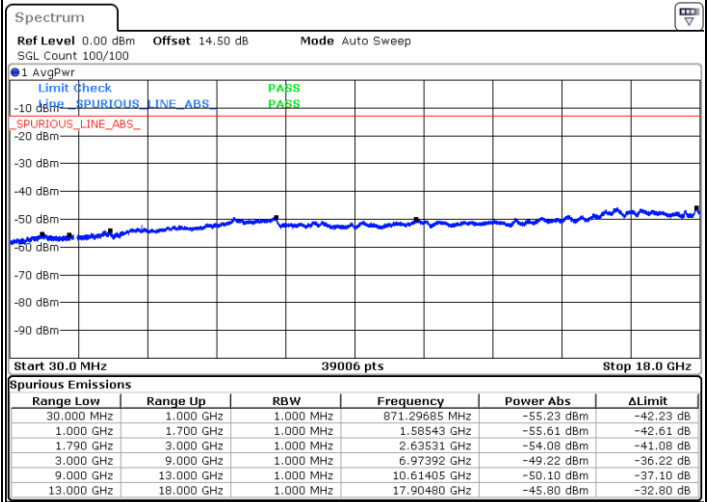
LTE Band 66 / 3MHz

Middle Channel / QPSK



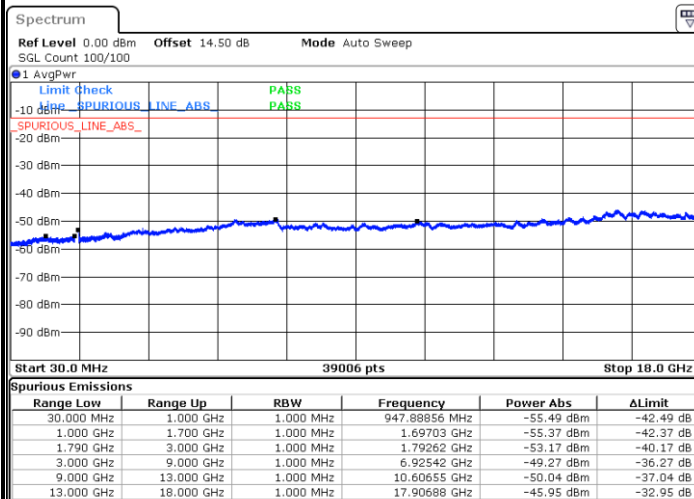
Date: 14.FEB.2021 10:14:16

Middle Channel / 16QAM



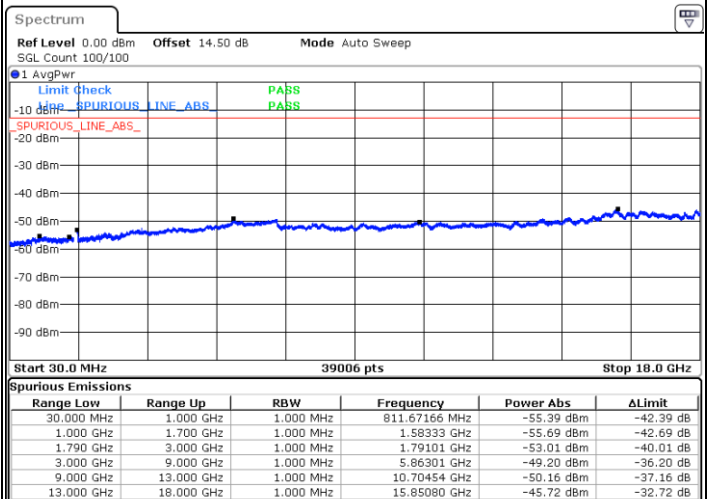
Date: 14.FEB.2021 10:15:08

Highest Channel / QPSK



Date: 14.FEB.2021 10:20:16

Highest Channel / 16QAM

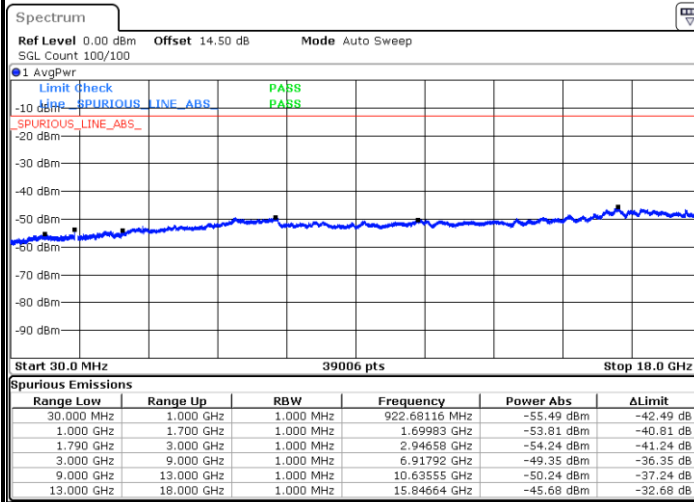


Date: 14.FEB.2021 10:21:01



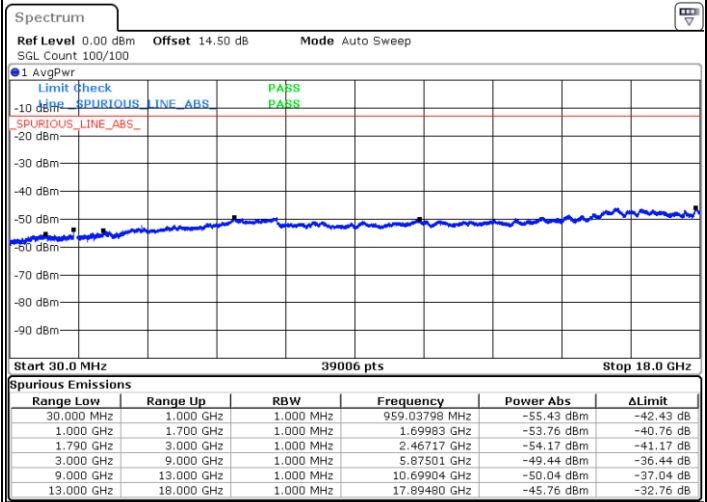
LTE Band 66 / 5MHz

Lowest Channel / QPSK



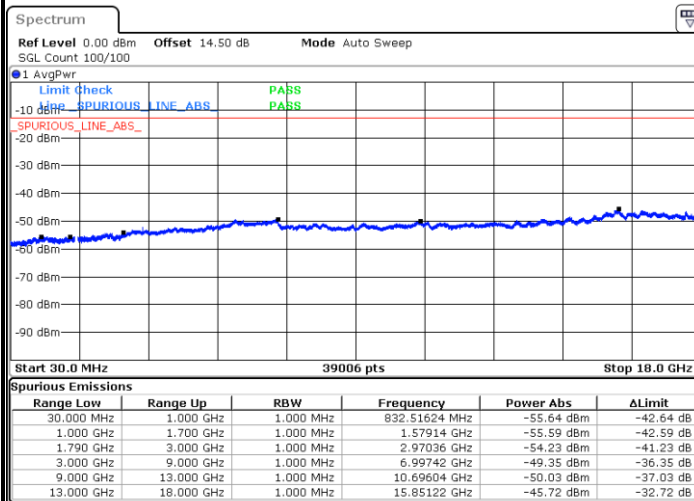
Date: 14.FEB.2021 10:26:08

Lowest Channel / 16QAM



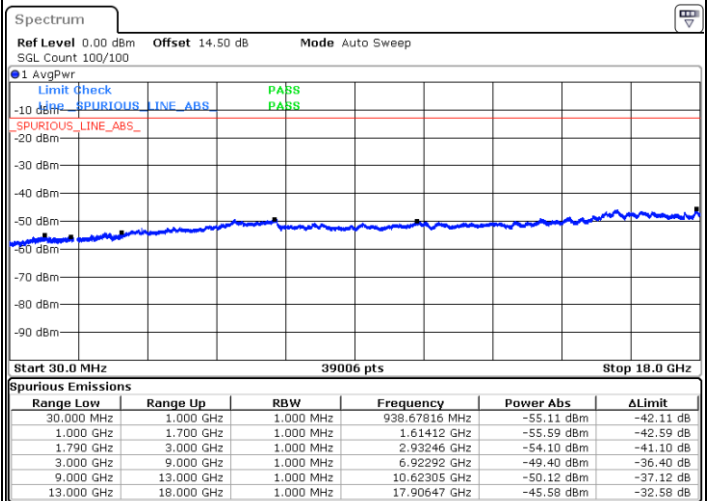
Date: 14.FEB.2021 10:26:54

Middle Channel / QPSK



Date: 14.FEB.2021 10:28:24

Middle Channel / 16QAM

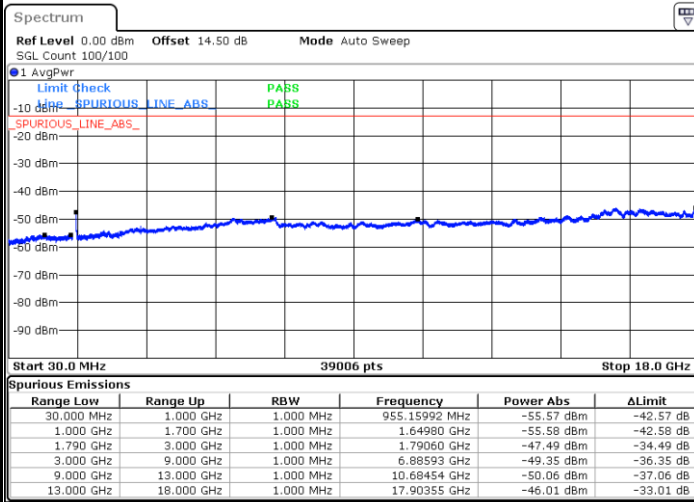


Date: 14.FEB.2021 10:29:09



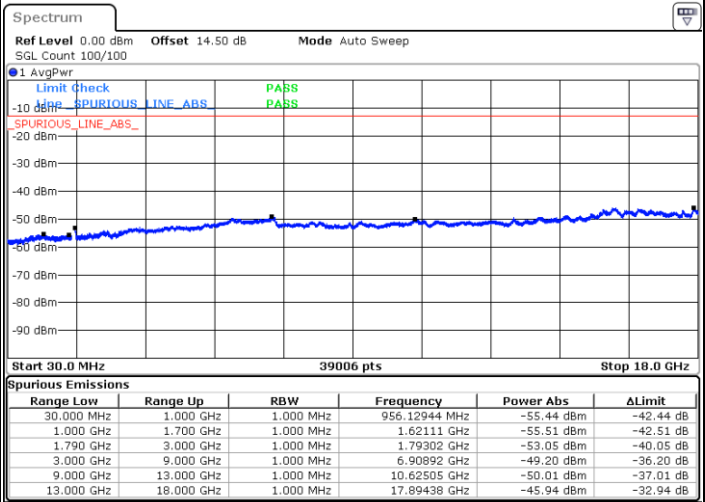
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 14.FEB.2021 10:34:16

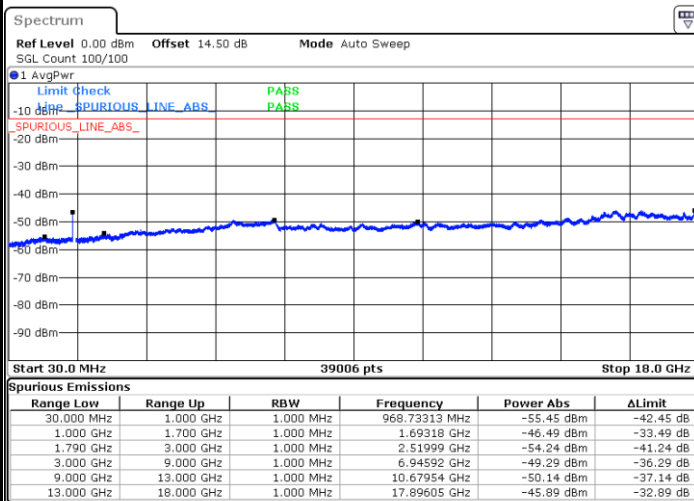
Highest Channel / 16QAM



Date: 14.FEB.2021 10:35:01

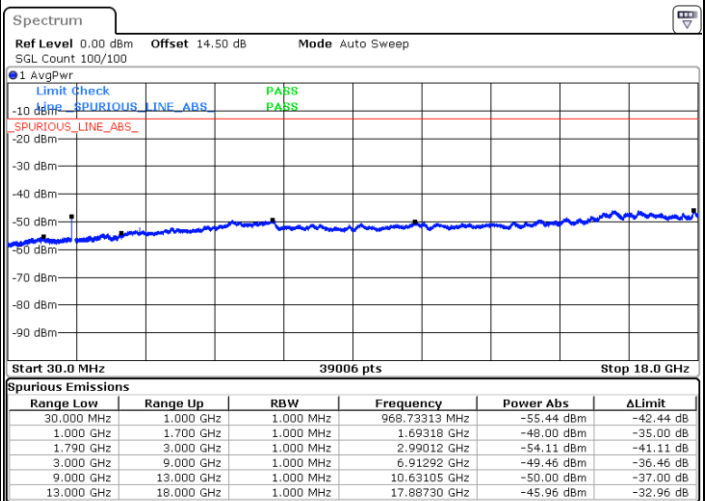
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 14.FEB.2021 10:40:08

Lowest Channel / 16QAM

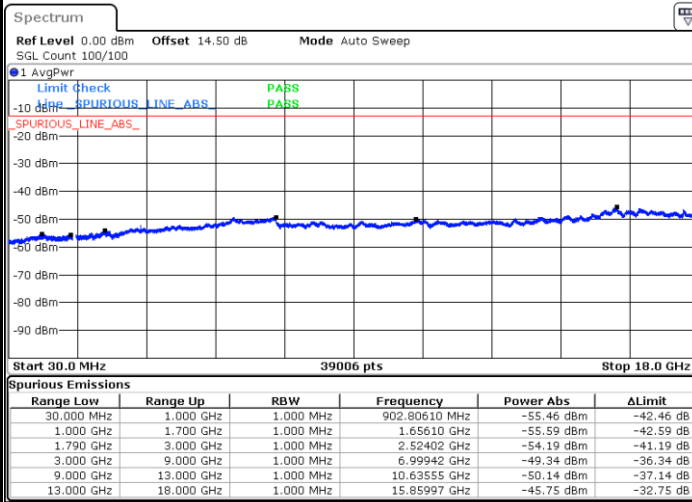


Date: 14.FEB.2021 10:40:53



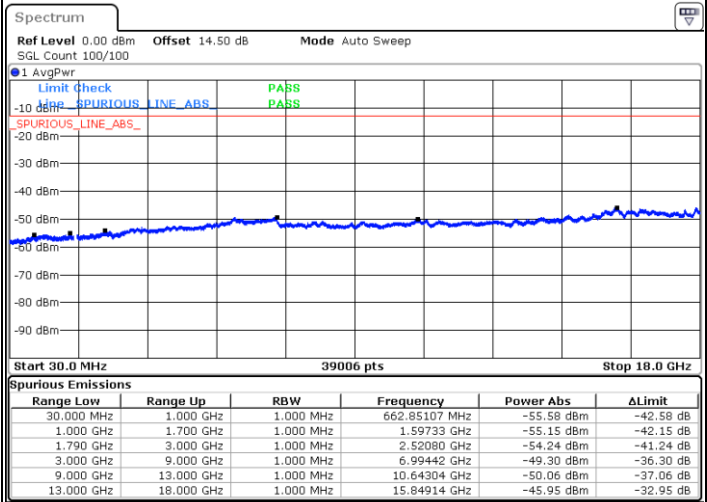
LTE Band 66 / 10MHz

Middle Channel / QPSK



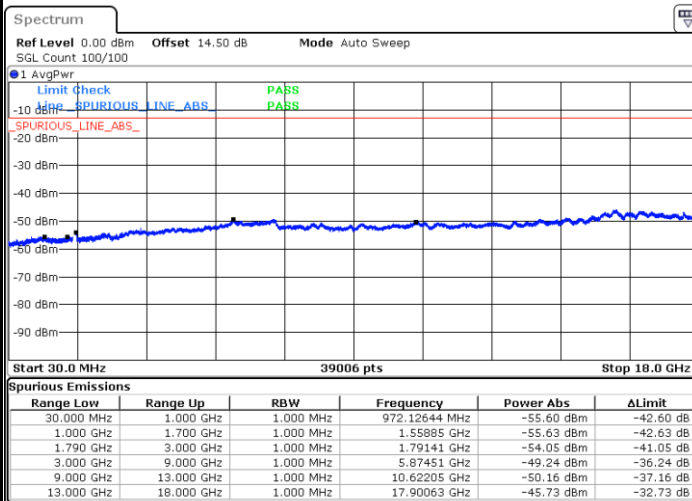
Date: 14.FEB.2021 10:42:23

Middle Channel / 16QAM



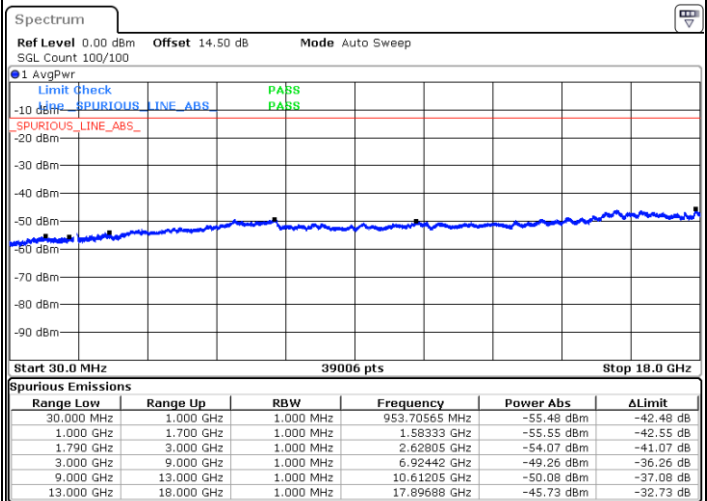
Date: 14.FEB.2021 10:43:08

Highest Channel / QPSK



Date: 14.FEB.2021 10:48:15

Highest Channel / 16QAM

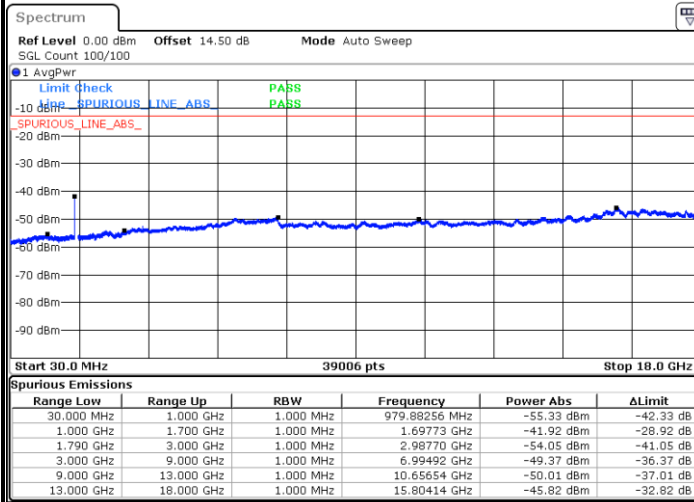


Date: 14.FEB.2021 10:49:00



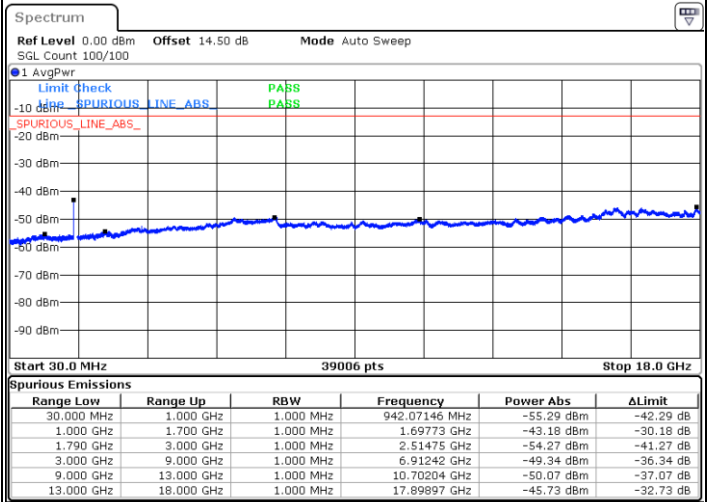
LTE Band 66 / 15MHz

Lowest Channel / QPSK



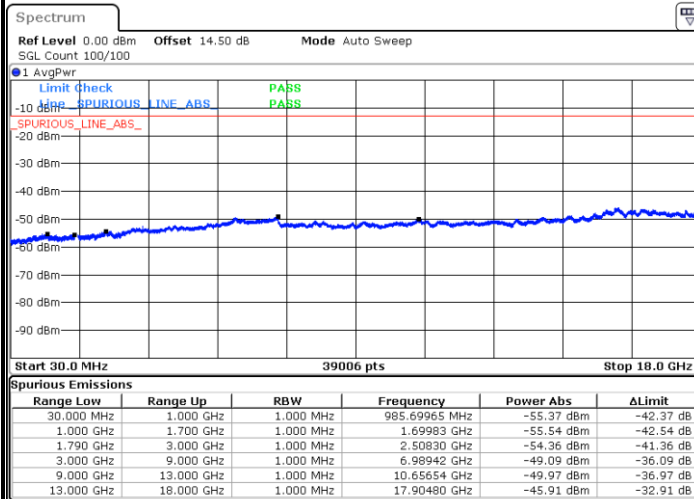
Date: 14.FEB.2021 10:54:07

Lowest Channel / 16QAM



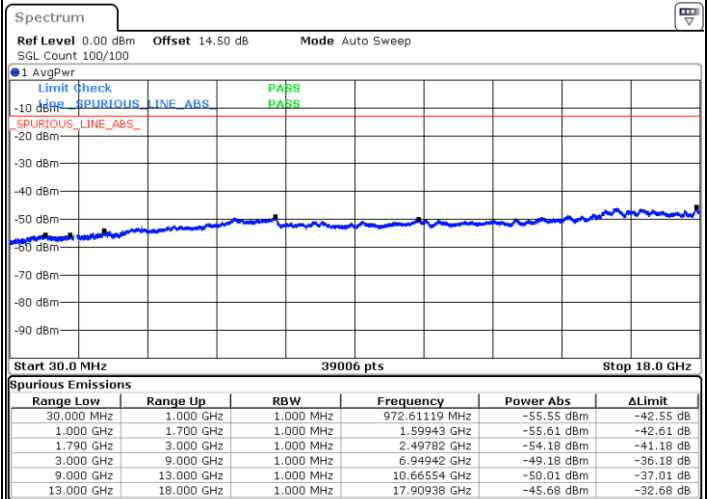
Date: 14.FEB.2021 10:54:52

Middle Channel / QPSK



Date: 14.FEB.2021 10:56:22

Middle Channel / 16QAM

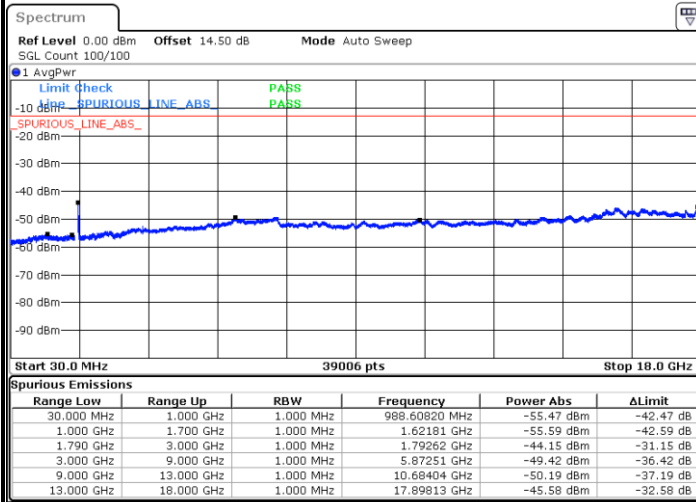


Date: 14.FEB.2021 10:57:08



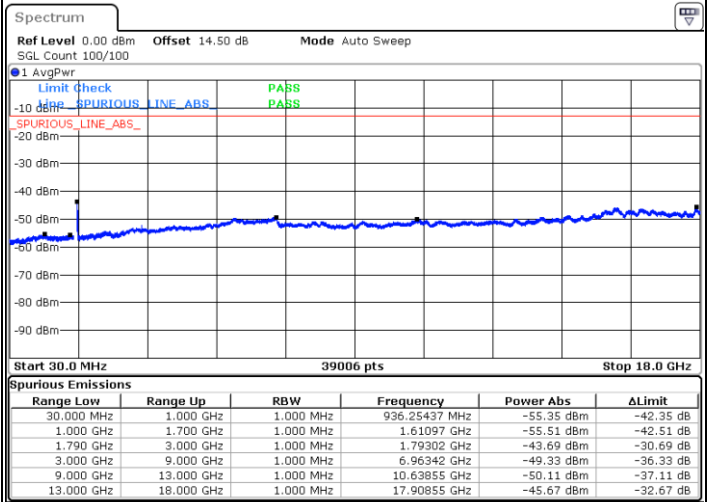
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 14.FEB.2021 11:02:14

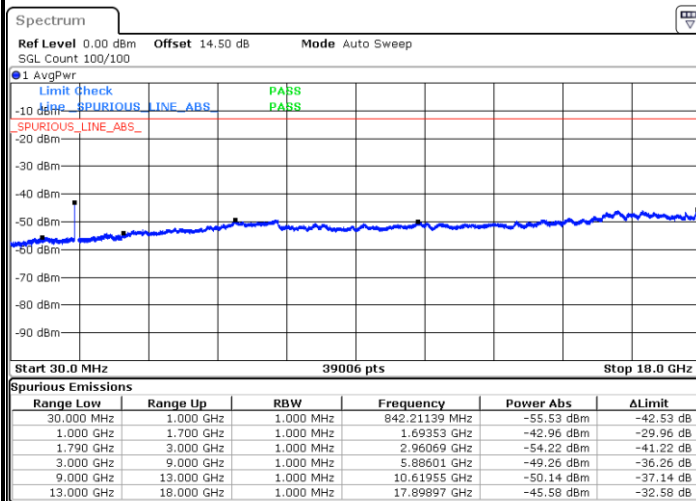
Highest Channel / 16QAM



Date: 14.FEB.2021 11:03:00

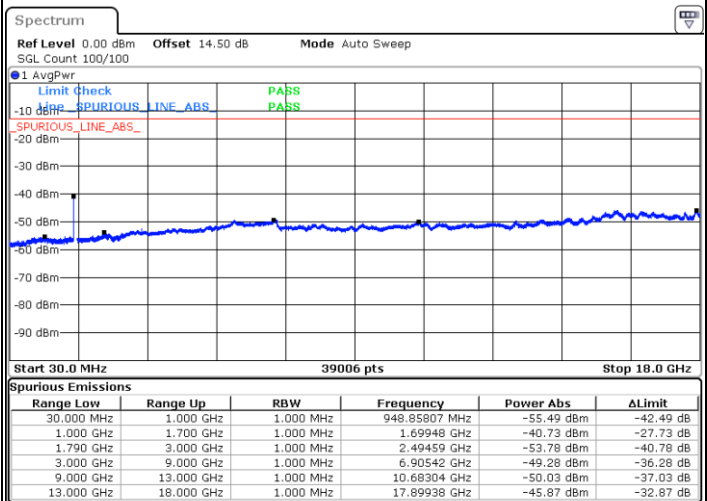
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 14.FEB.2021 11:08:07

Lowest Channel / 16QAM

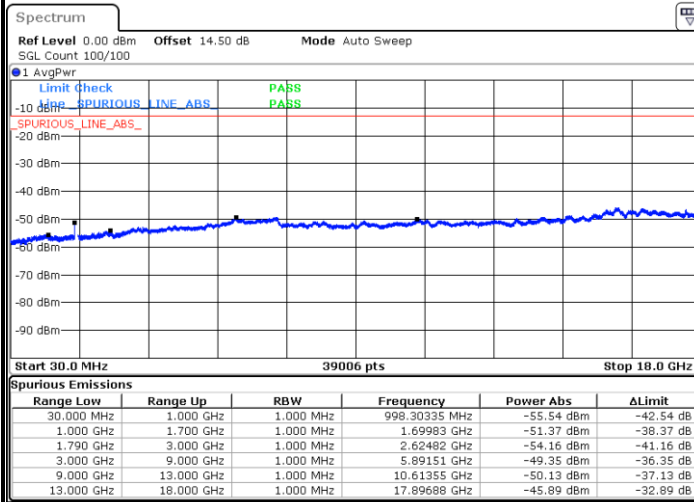


Date: 14.FEB.2021 11:08:52



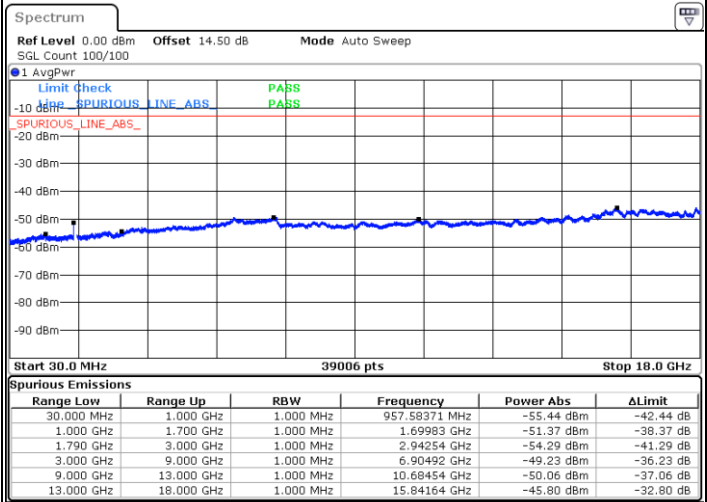
LTE Band 66 / 20MHz

Middle Channel / QPSK



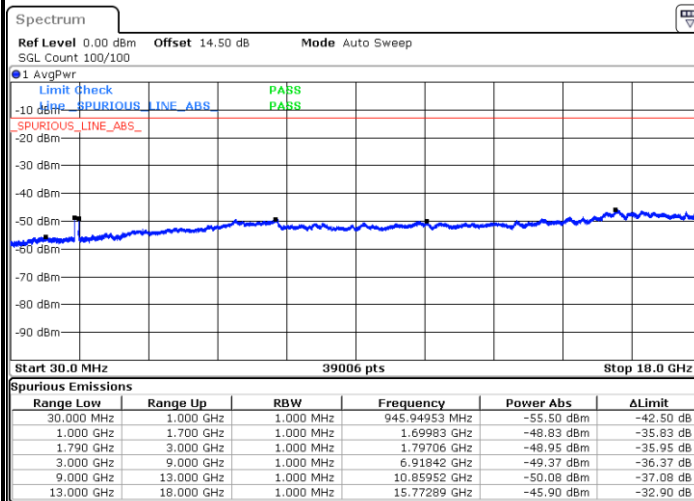
Date: 14.FEB.2021 11:10:22

Middle Channel / 16QAM



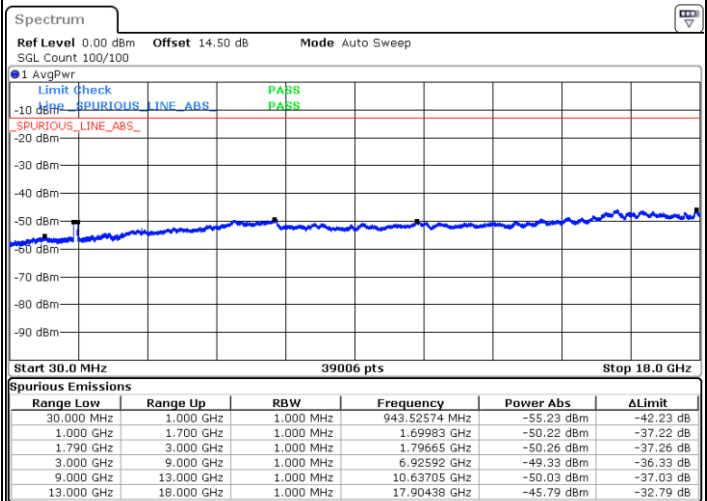
Date: 14.FEB.2021 11:11:07

Highest Channel / QPSK



Date: 14.FEB.2021 11:16:14

Highest Channel / 16QAM



Date: 14.FEB.2021 11:16:59

**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	0.0013	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0191	
-10	Normal Voltage	0.0159	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.3 V.
2. Note: 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	-55.41	-13	-42.41	-78.30	-62.16	5.85	12.60	H
	5613.27	-55.87	-13	-42.87	-80.15	-61.67	7.30	13.10	H
	7484.36	-53.59	-13	-40.59	-80.05	-56.74	8.35	11.50	H
	3742.18	-52.20	-13	-39.20	-77.1	-58.95	5.85	12.60	V
	5613.27	-55.04	-13	-42.04	-80.17	-60.84	7.30	13.10	V
	7484.36	-52.54	-13	-39.54	-78.98	-55.69	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	-58.48	-13	-45.48	-70.13	-61.73	4.00	9.40	H
	2496.27	-54.99	-13	-41.99	-73.76	-58.56	4.88	10.60	H
	3328.36	-57.79	-13	-44.79	-78.76	-62.72	5.52	12.60	H
	1664.18	-47.35	-13	-34.35	-59.67	-50.60	4.00	9.40	V
	2496.27	-50.22	-13	-37.22	-69.25	-53.79	4.88	10.60	V
	3328.36	-57.20	-13	-44.20	-78.67	-62.13	5.52	12.60	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	-56.79	-25	-31.79	-79.89	-62.35	7.14	12.70	H
	7578.27	-51.27	-25	-26.27	-77.35	-54.57	8.30	11.60	H
	10104.36	-51.82	-25	-26.82	-82.02	-53.34	10.48	12.00	H
	5052.18	-55.53	-25	-30.53	-79.96	-61.09	7.14	12.70	V
	7578.27	-50.90	-25	-25.90	-76.98	-54.20	8.30	11.60	V
	10104.36	-51.08	-25	-26.08	-82.26	-52.60	10.48	12.00	V

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



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	-63.86	-13	-50.86	-74.65	-67.11	4.00	9.40	H
	2109	-59.23	-13	-46.23	-76.70	-62.80	4.88	10.60	H
	2812	-58.40	-13	-45.40	-77.49	-63.33	5.52	12.60	H
	1406	-61.14	-13	-48.14	-72.99	-64.39	4.00	9.40	V
	2109	-60.04	-13	-47.04	-77.30	-63.61	4.88	10.60	V
	2812	-57.29	-13	-44.29	-77.19	-62.22	5.52	12.60	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	-59.71	-42.15	-17.56	-71.00	-62.96	4.00	9.40	H
	2339.25	-58.67	-13	-45.67	-76.65	-62.24	4.88	10.60	H
	3119	-58.14	-13	-45.14	-78.23	-63.07	5.52	12.60	H
	1559.5	-56.14	-42.15	-13.99	-68.05	-59.39	4.00	9.40	V
	2339.25	-57.92	-13	-44.92	-76.27	-61.49	4.88	10.60	V
	3119	-56.35	-13	-43.35	-78.24	-61.28	5.52	12.60	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	-56.01	-13	-43.01	-77.96	-62.86	5.65	12.50	H
	5208	-55.89	-13	-42.89	-80.11	-61.56	7.13	12.80	H
	6944	-49.11	-13	-36.11	-74.82	-52.51	8.40	11.80	H
	3472	-55.59	-13	-42.59	-77.34	-62.44	5.65	12.50	V
	5208	-55.70	-13	-42.70	-80.09	-61.37	7.13	12.80	V
	6944	-43.19	-13	-30.19	-69.63	-46.59	8.40	11.80	V

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