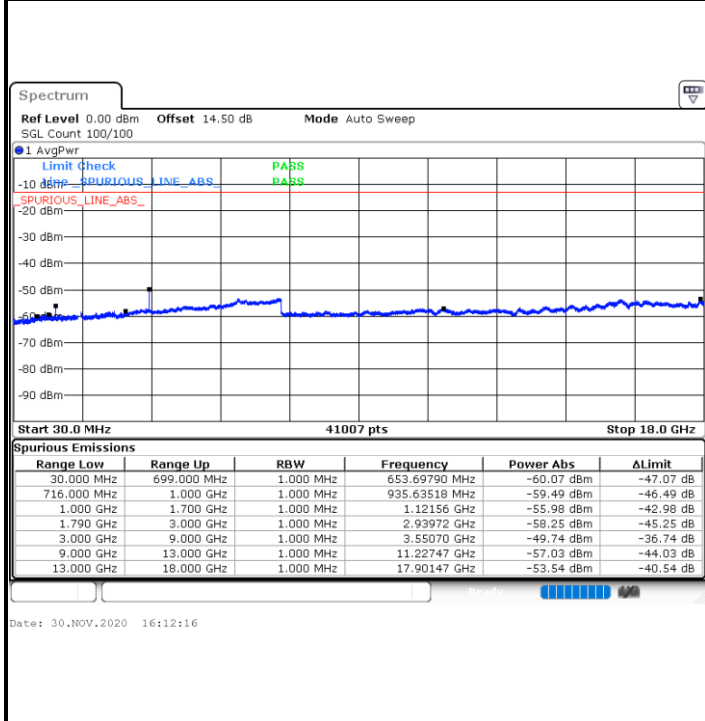


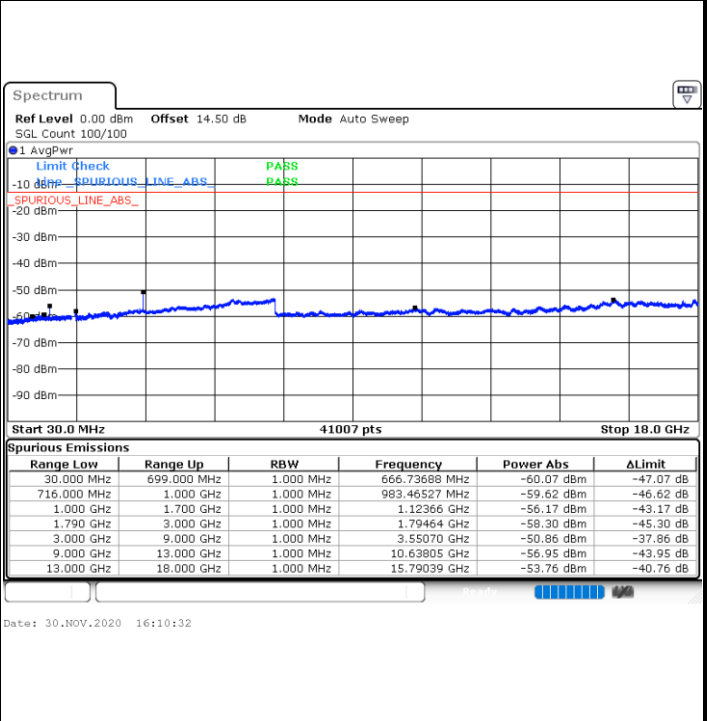


LTE Band 66 / 5MHz

Highest Channel / QPSK

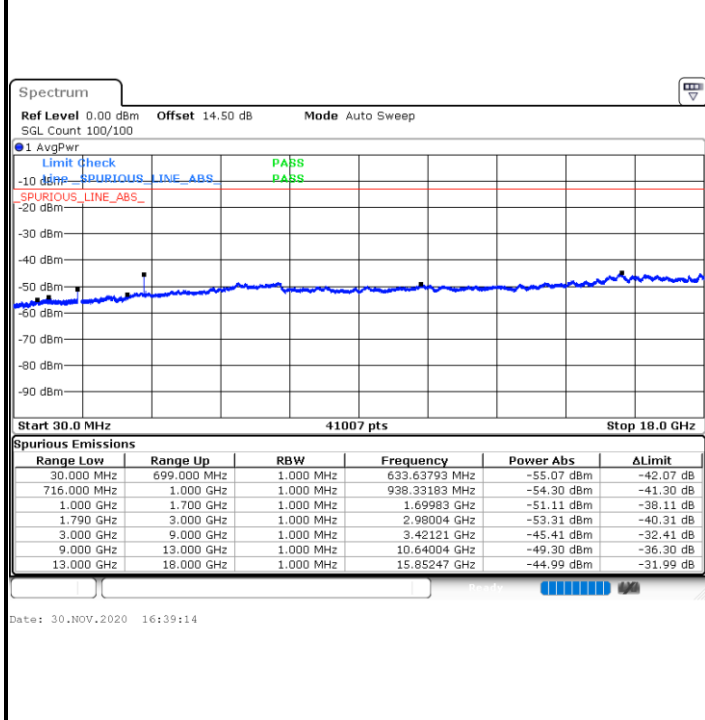


Highest Channel / 16QAM

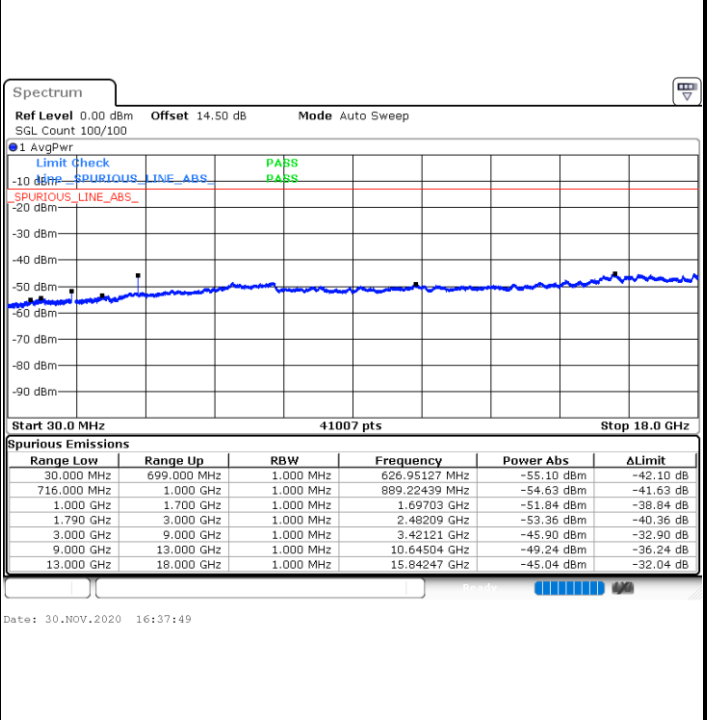


LTE Band 66 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

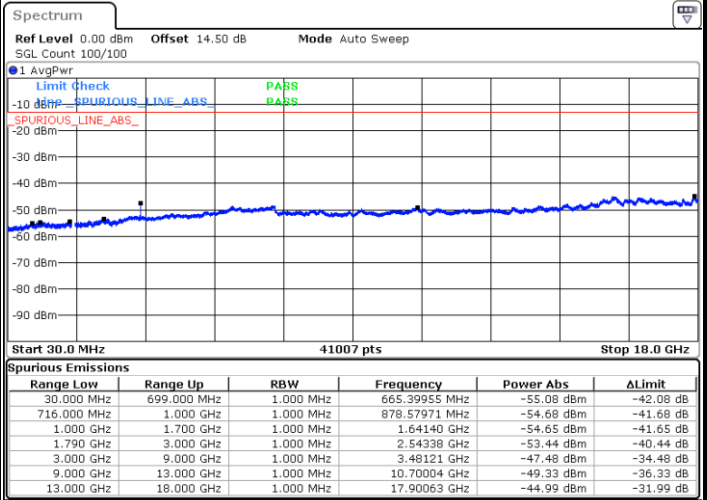
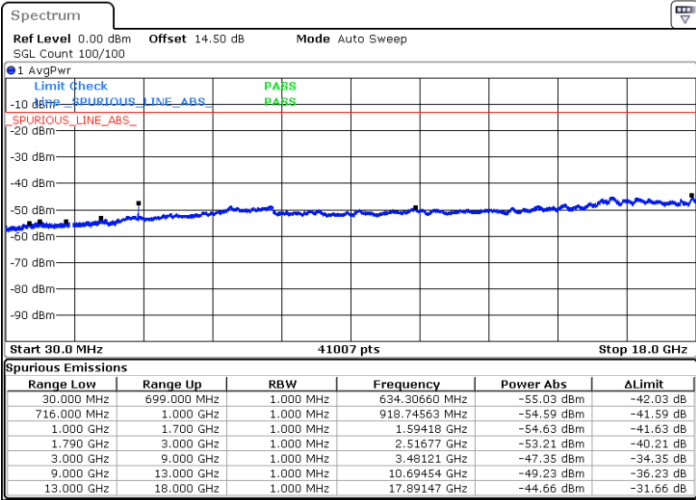




LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

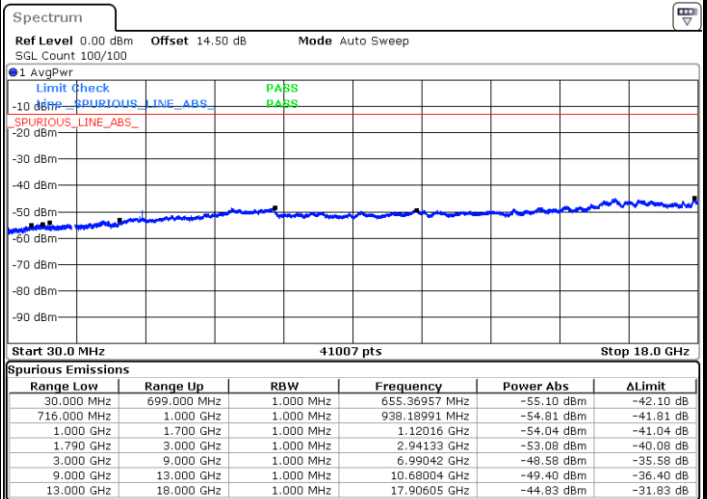
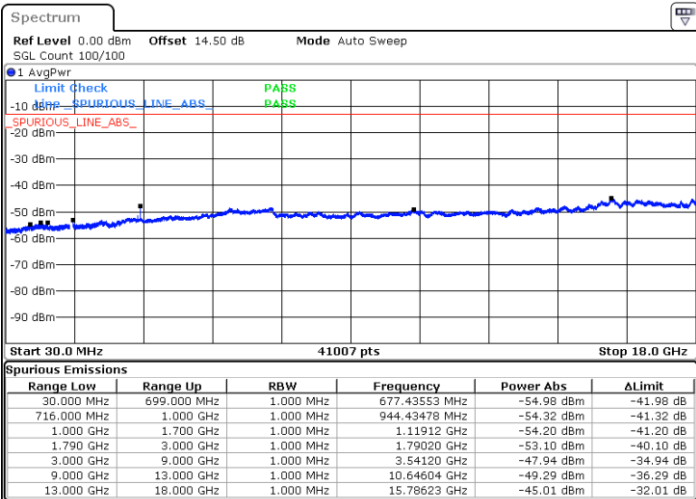


Date: 30.NOV.2020 16:41:30

Date: 30.NOV.2020 16:48:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.NOV.2020 17:11:38

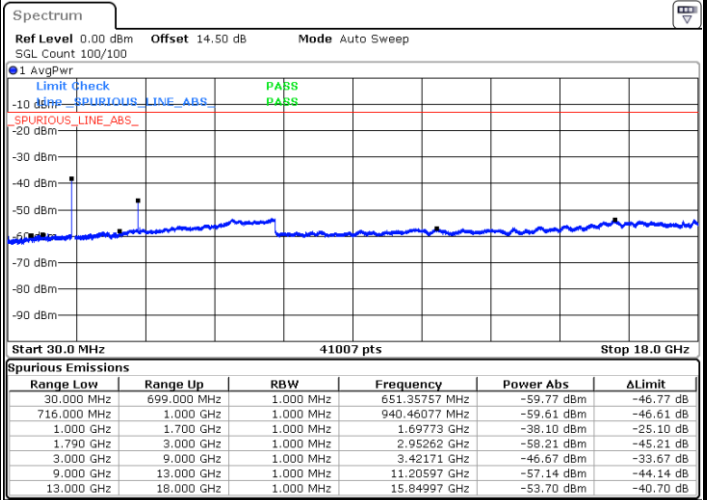
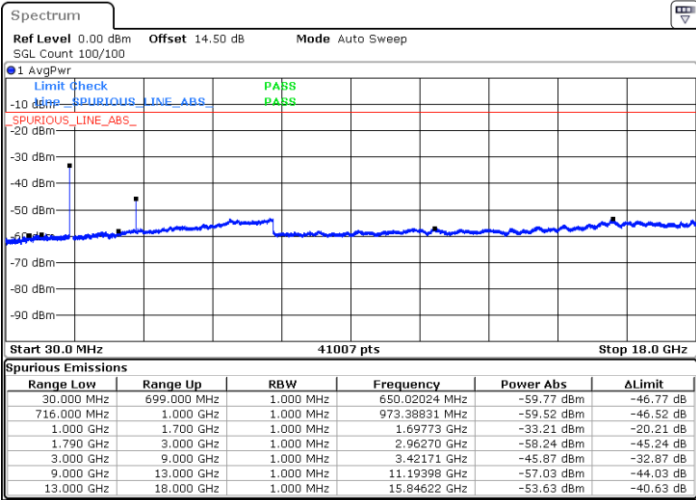
Date: 30.NOV.2020 17:07:07



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

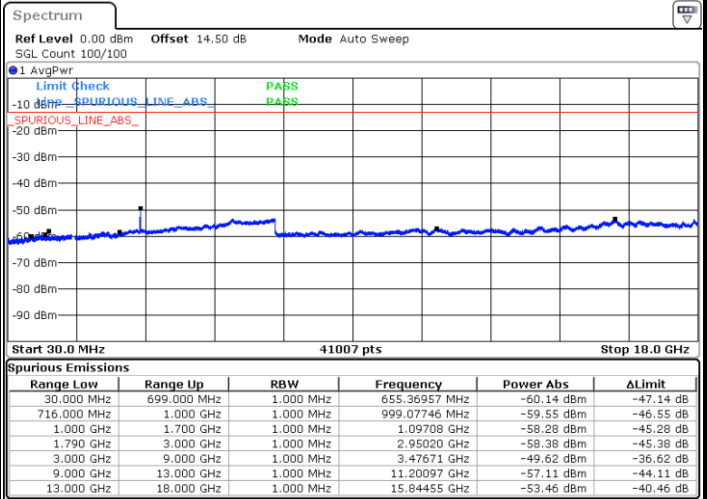
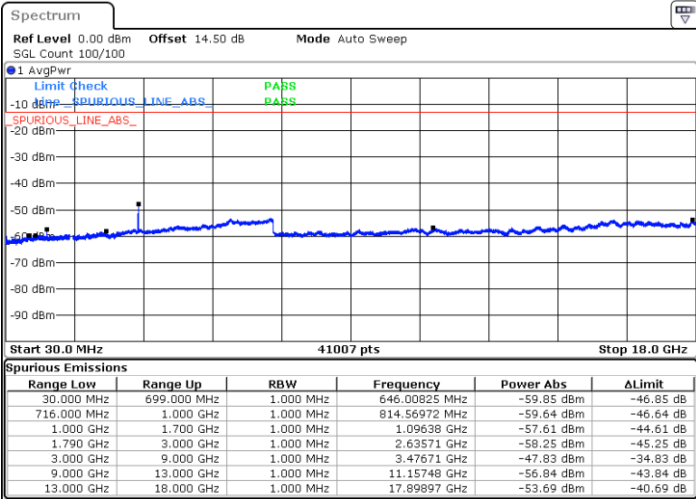


Date: 30.NOV.2020 18:59:23

Date: 30.NOV.2020 18:58:10

Middle Channel / QPSK

Middle Channel / 16QAM



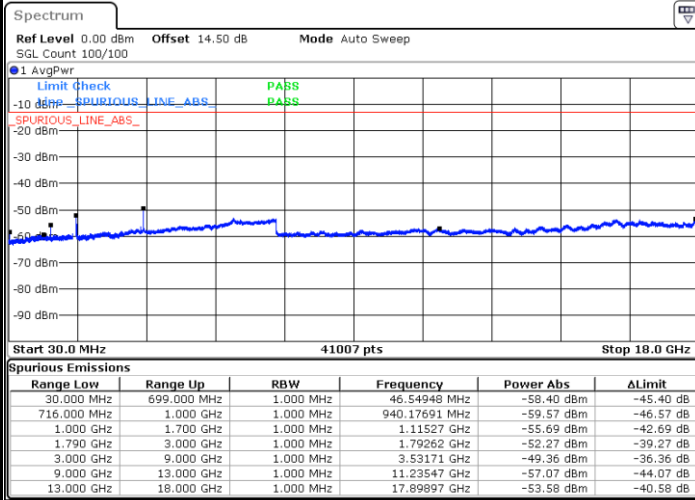
Date: 30.NOV.2020 19:07:52

Date: 30.NOV.2020 19:09:05



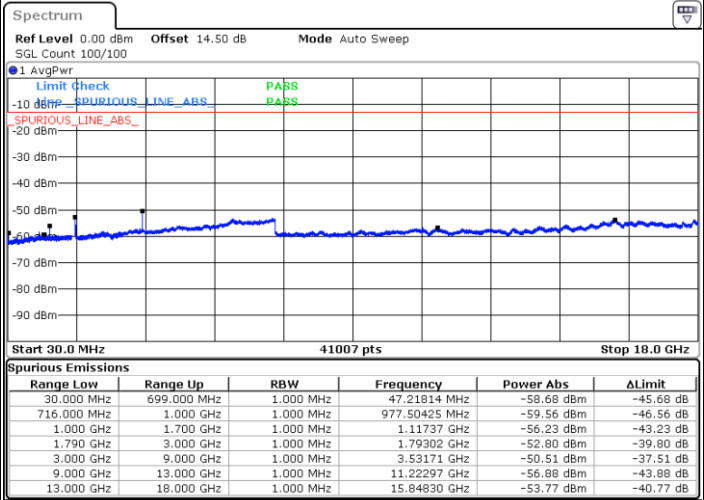
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 30.NOV.2020 19:28:51

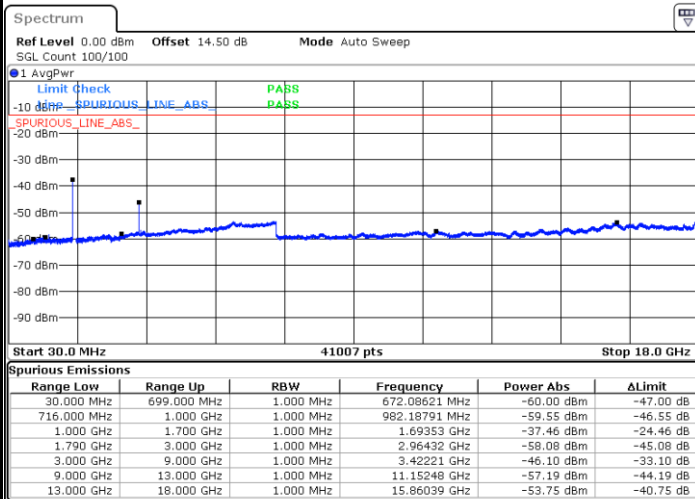
Highest Channel / 16QAM



Date: 30.NOV.2020 19:27:34

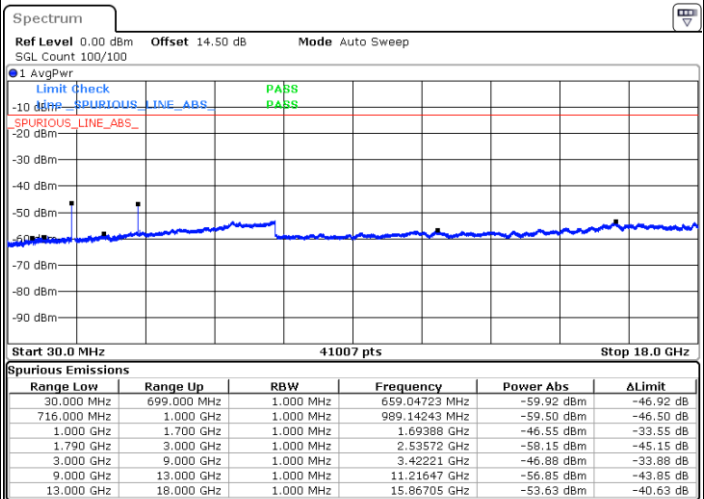
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 1.DEC.2020 09:54:48

Lowest Channel / 16QAM



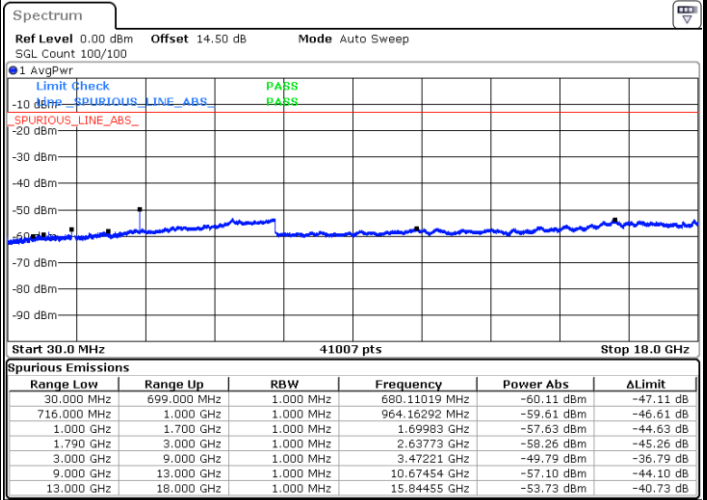
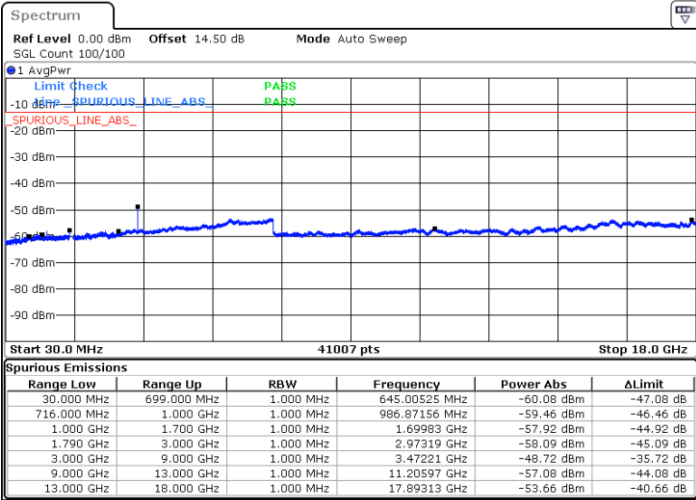
Date: 1.DEC.2020 09:56:51



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

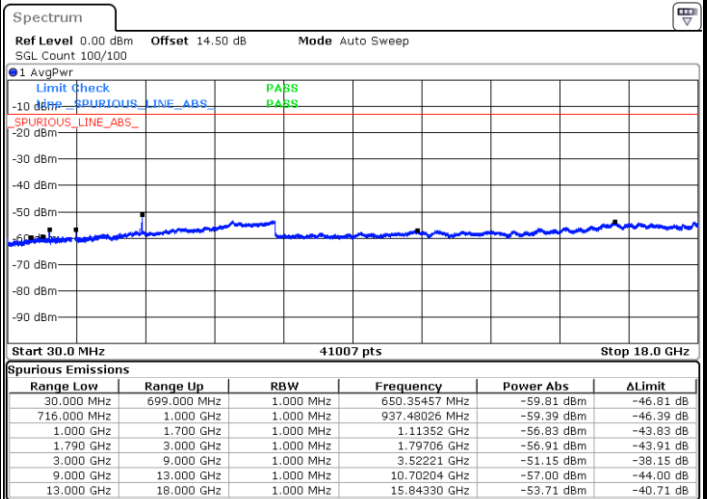
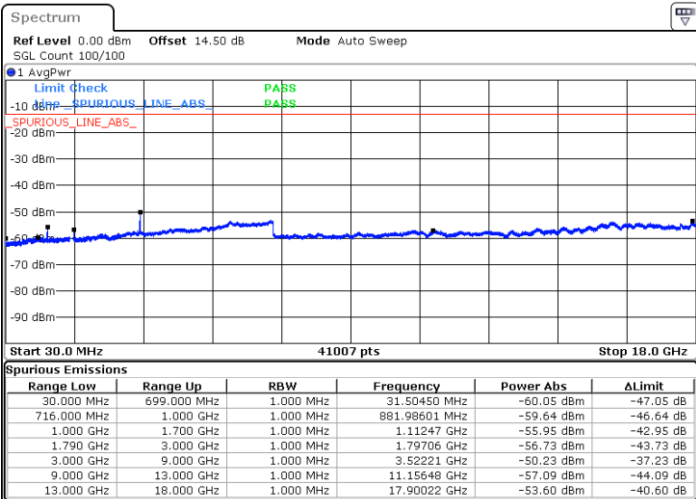


Date: 1.DEC.2020 10:22:10

Date: 1.DEC.2020 10:20:57

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.DEC.2020 10:26:58

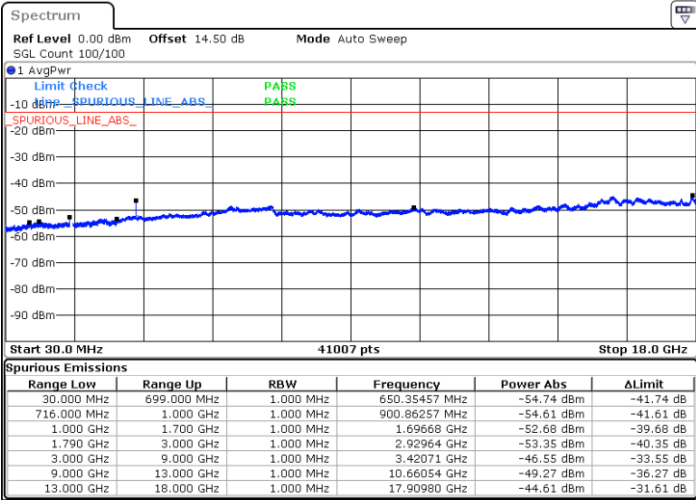
Date: 1.DEC.2020 10:35:39



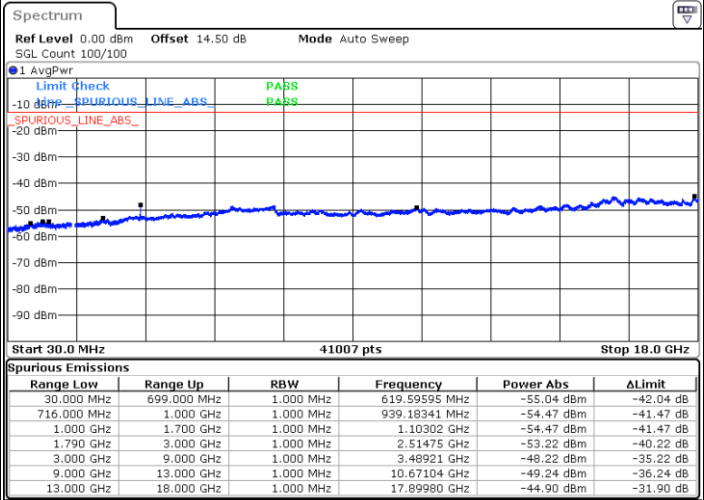
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

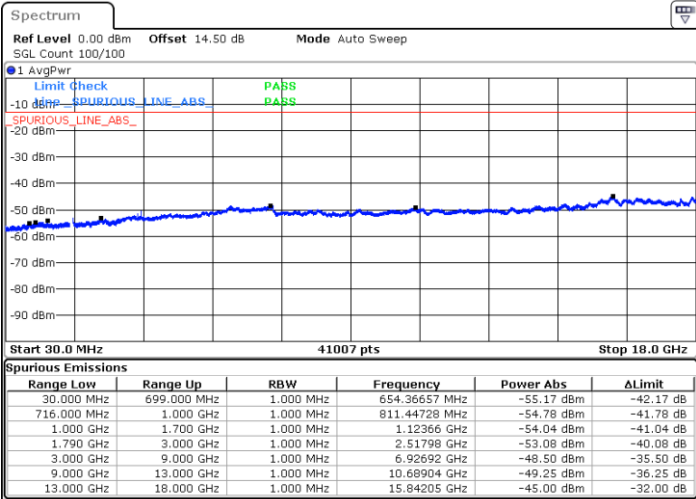


Date: 30.NOV.2020 11:44:08



Date: 30.NOV.2020 13:53:57

Highest Channel / 64QAM



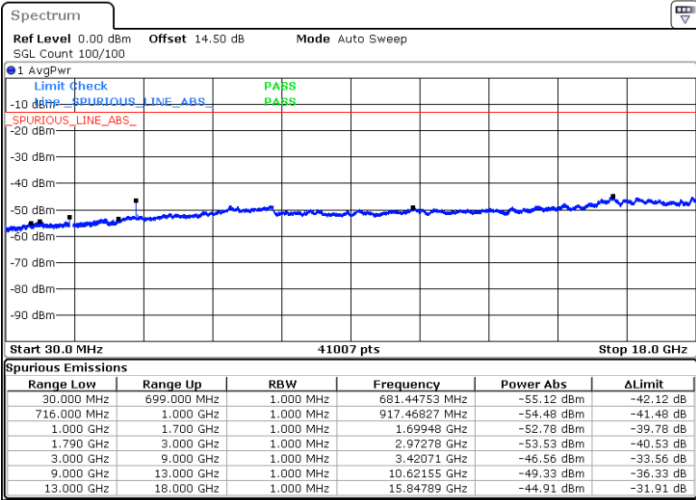
Date: 30.NOV.2020 14:21:37



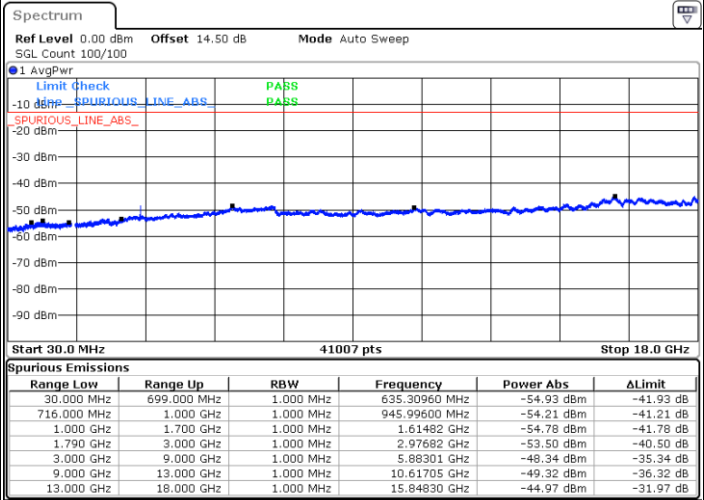
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

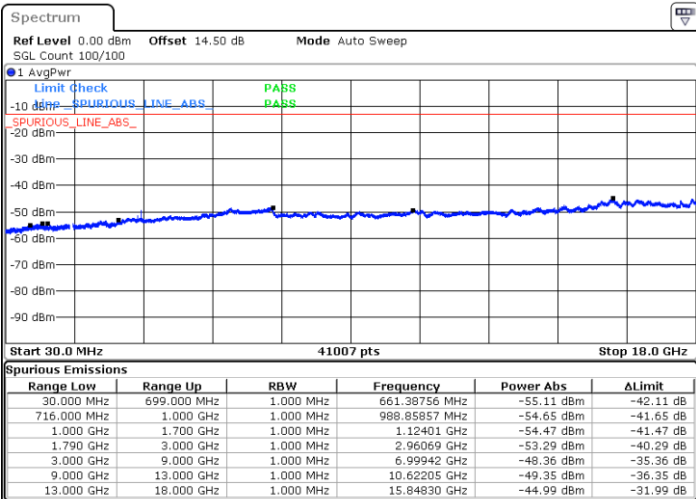


Date: 30.NOV.2020 14:38:26



Date: 30.NOV.2020 14:45:31

Highest Channel / 64QAM



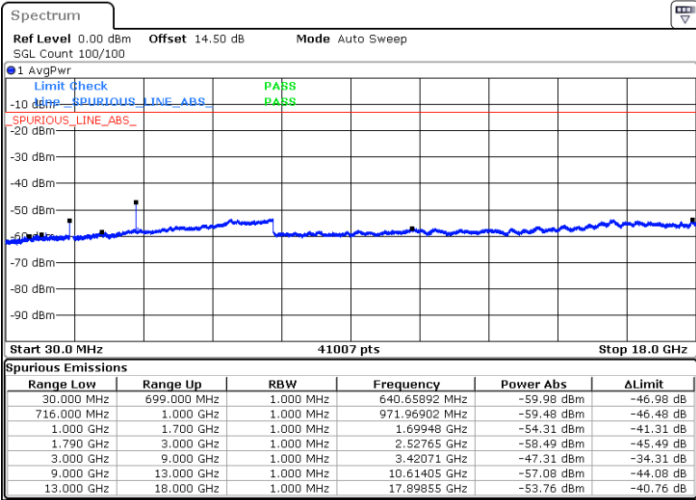
Date: 30.NOV.2020 14:56:16



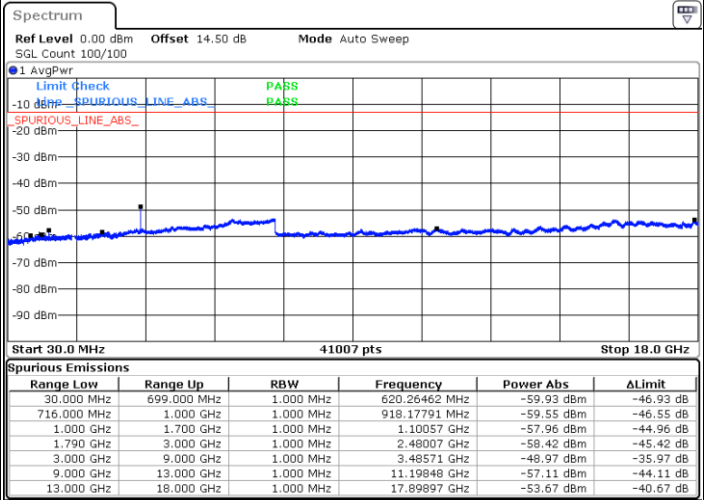
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

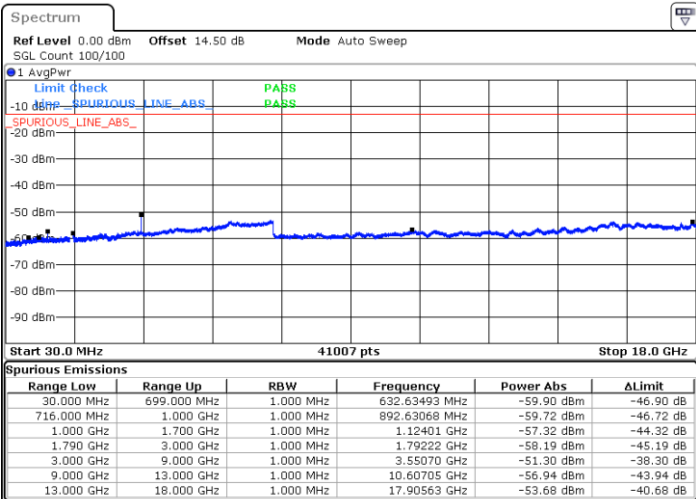


Date: 30.NOV.2020 15:43:52



Date: 30.NOV.2020 15:53:39

Highest Channel / 64QAM



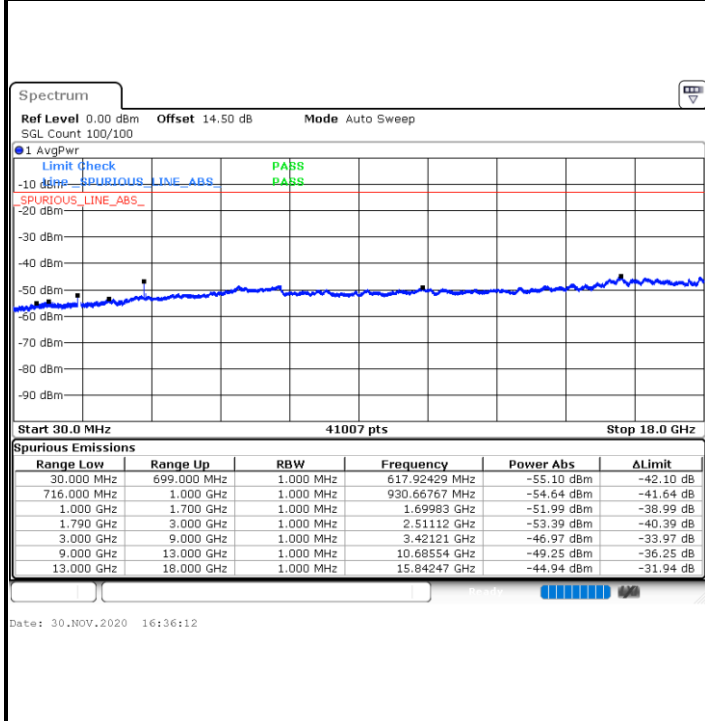
Date: 30.NOV.2020 16:08:06



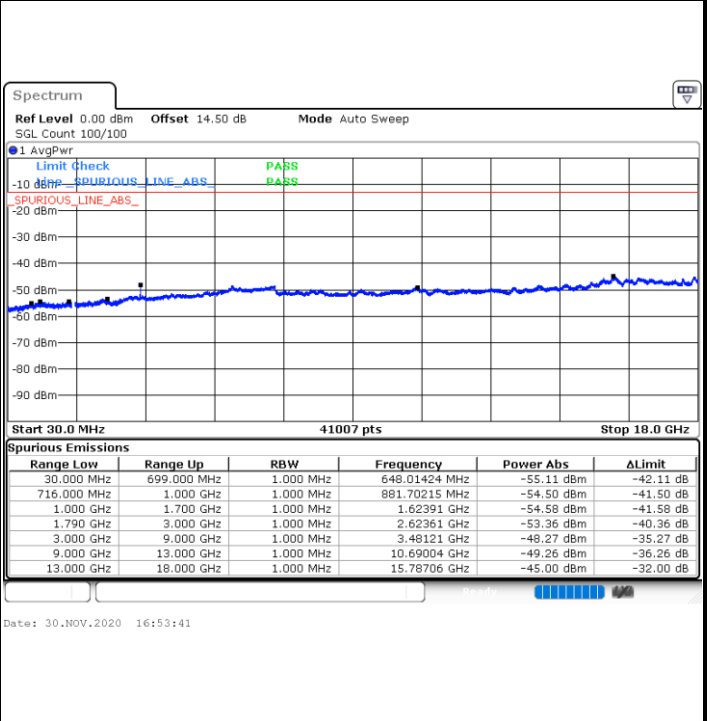


**LTE Band 66 / 10MHz**

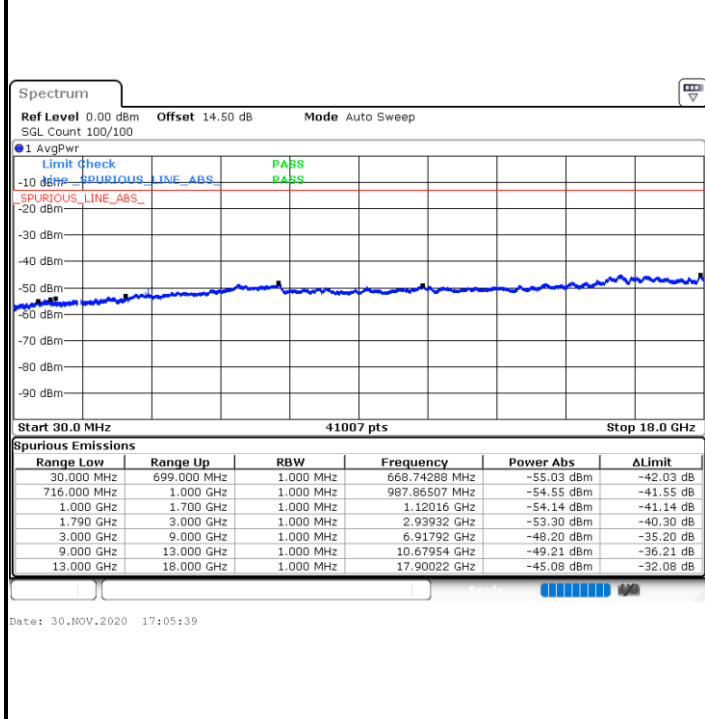
**Lowest Channel / 64QAM**



**Middle Channel / 64QAM**



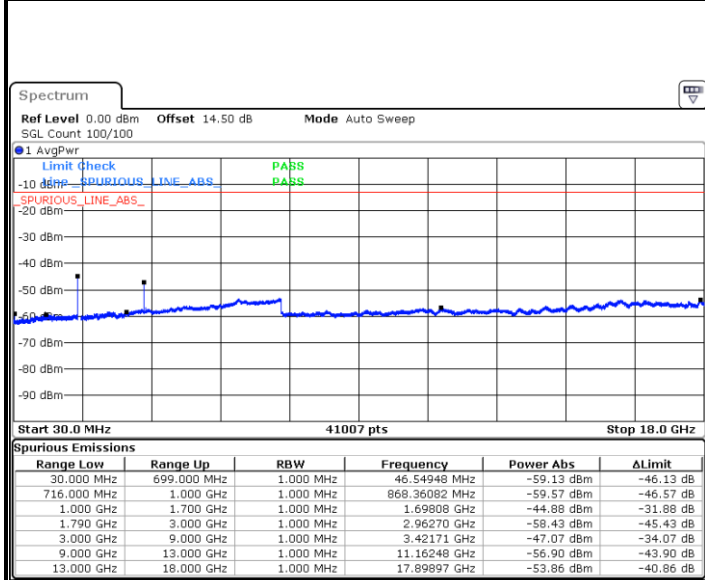
**Highest Channel / 64QAM**





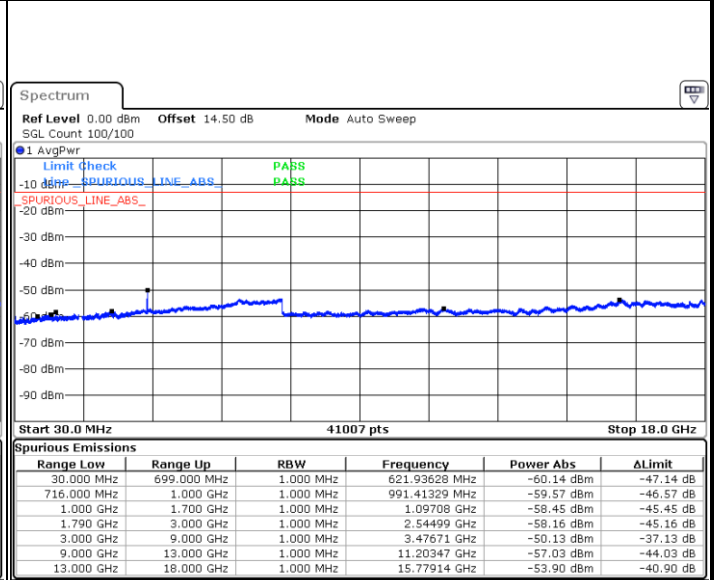
**LTE Band 66 / 15MHz**

**Lowest Channel / 64QAM**



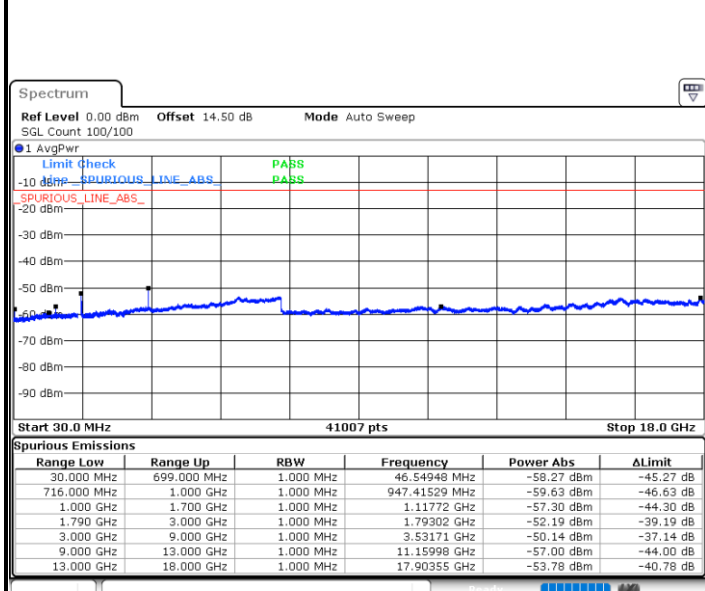
Date: 30.NOV.2020 18:56:34

**Middle Channel / 64QAM**

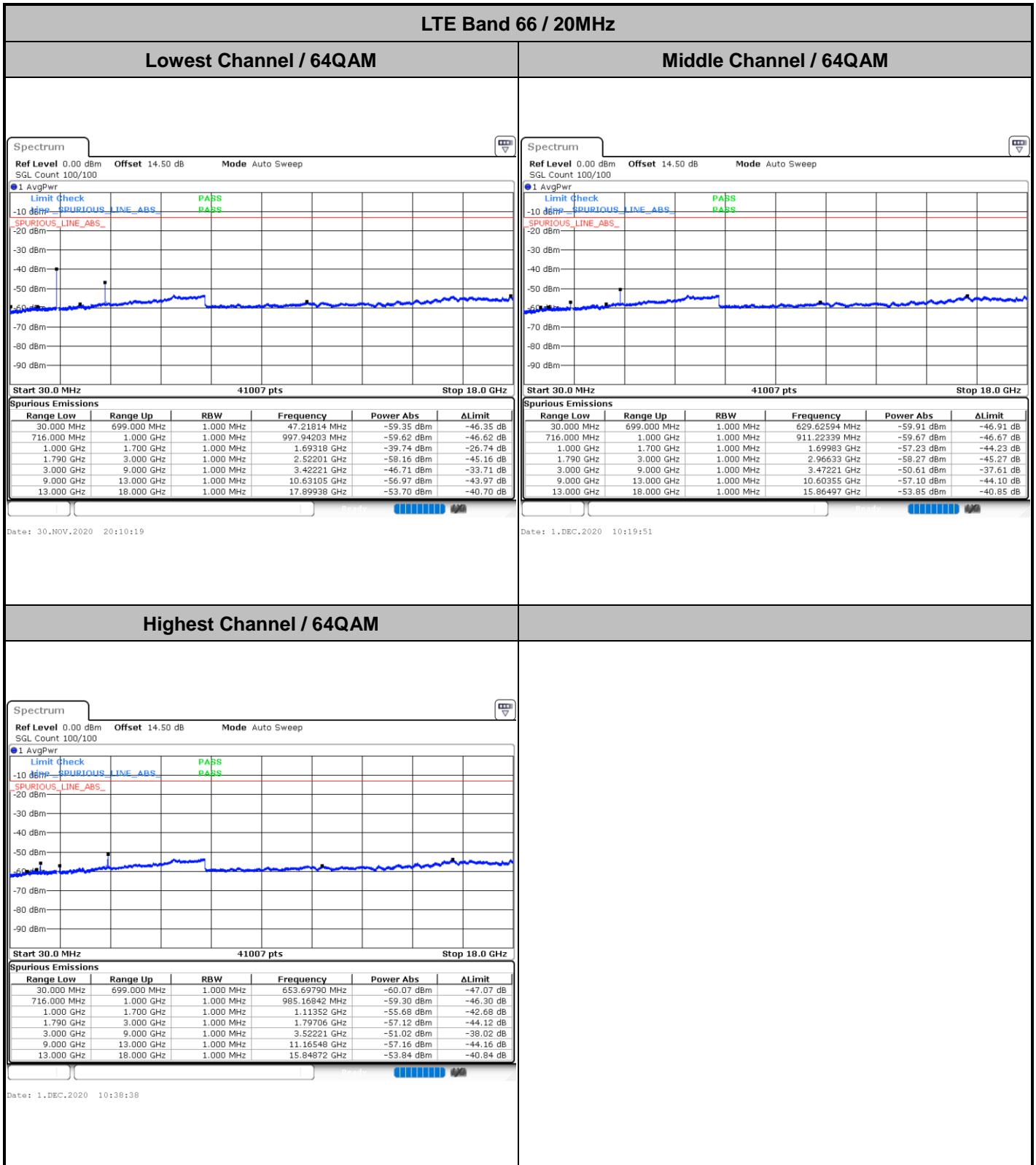


Date: 30.NOV.2020 19:10:09

**Highest Channel / 64QAM**



Date: 30.NOV.2020 19:24:46





Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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	-53.27	-13	-40.27	-69.44	-60.02	5.85	12.60	H
	5613.27	-58.00	-13	-45.00	-77.62	-63.80	7.30	13.10	H
	7484.36	-53.90	-13	-40.90	-78.52	-57.05	8.35	11.50	H
	3742.18	-56.50	-13	-43.50	-72.29	-63.25	5.85	12.60	V
	5613.27	-58.50	-13	-45.50	-77.6	-64.30	7.30	13.10	V
	7484.36	-53.50	-13	-40.50	-78.51	-56.65	8.35	11.50	V

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

LTE Band 5 / 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	1664.18	-57.12	-13	-44.12	-64.90	-60.37	4.00	9.40	H
	2496.27	-58.22	-13	-45.22	-70.28	-61.79	4.88	10.60	H
	3328.36	-59.87	-13	-46.87	-74.67	-64.80	5.52	12.60	H
	4160.45	-57.81	-13	-44.81	-75.28	-62.28	6.00	12.62	H
	1664.18	-52.92	-13	-39.92	-60.84	-56.17	4.00	9.40	V
	2496.27	-56.74	-13	-43.74	-68.89	-60.31	4.88	10.60	V
	3328.36	-56.55	-13	-43.55	-71.33	-61.48	5.52	12.60	V
	4160.45	-55.89	-13	-42.89	-73.33	-60.36	6.00	12.62	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	-57.10	-25	-32.10	-76.73	-62.66	7.14	12.70	H
	7578.27	-51.07	-25	-26.07	-75.50	-54.37	8.30	11.60	H
	10104.36	-49.48	-25	-24.48	-78.61	-51.00	10.48	12.00	H
	5052.18	-57.26	-25	-32.26	-76.78	-62.82	7.14	12.70	V
	7578.27	-51.04	-25	-26.04	-75.95	-54.34	8.30	11.60	V
	10104.36	-50.85	-25	-25.85	-78.64	-52.37	10.48	12.00	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 )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.18	-57.95	-25	-32.95	-77.64	-63.51	7.14	12.70	H
	7752.27	-51.01	-25	-26.01	-75.04	-54.31	8.30	11.60	H
	10336.36	-49.94	-25	-24.94	-79.15	-51.46	10.48	12.00	H
	5168.18	-56.50	-25	-31.50	-75.87	-62.06	7.14	12.70	V
	7752.27	-50.76	-25	-25.76	-75.43	-54.06	8.30	11.60	V
	10336.36	-50.86	-25	-25.86	-79.07	-52.38	10.48	12.00	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	-59.38	-13	-46.38	-74.43	-66.23	5.65	12.50	H
	5208	-56.96	-13	-43.96	-76.58	-62.63	7.13	12.80	H
	6944	-54.43	-13	-41.43	-77.70	-57.83	8.40	11.80	H
	3472	-57.61	-13	-44.61	-72.69	-64.46	5.65	12.50	V
	5208	-57.93	-13	-44.93	-77.16	-63.60	7.13	12.80	V
	6944	-54.62	-13	-41.62	-78.16	-58.02	8.40	11.80	V

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



## **Appendix D. Reference Report**

Please refer to Sporton report number FG002013B which is issued separately.