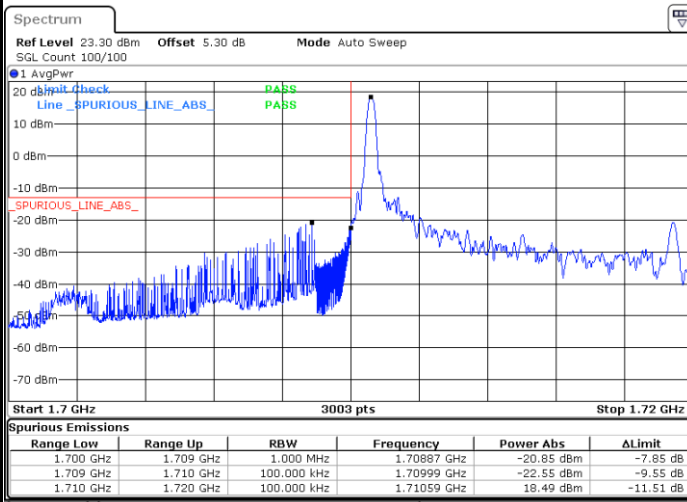




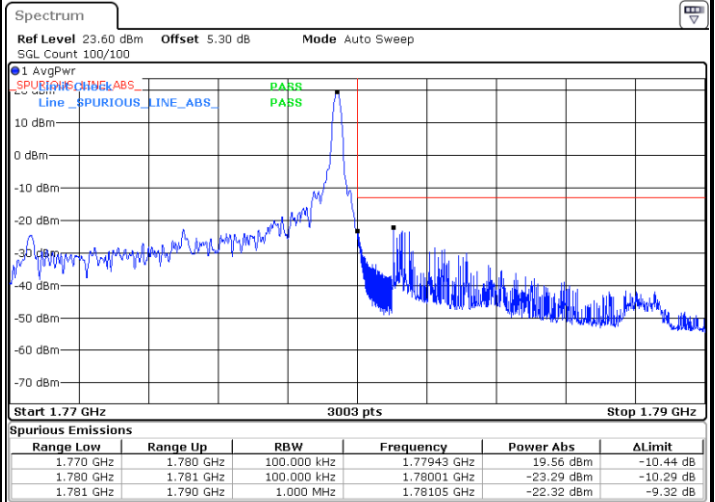
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



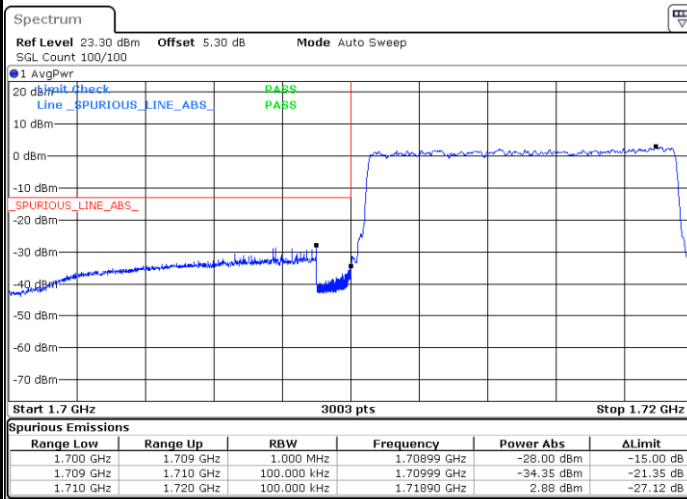
Date: 17.DEC.2020 23:00:52

Highest Band Edge / 1 RB



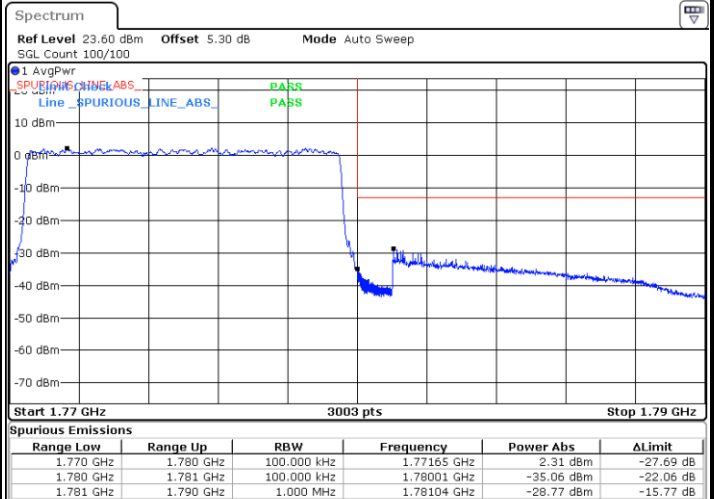
Date: 17.DEC.2020 23:03:48

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:01:57

Highest Band Edge / Full RB

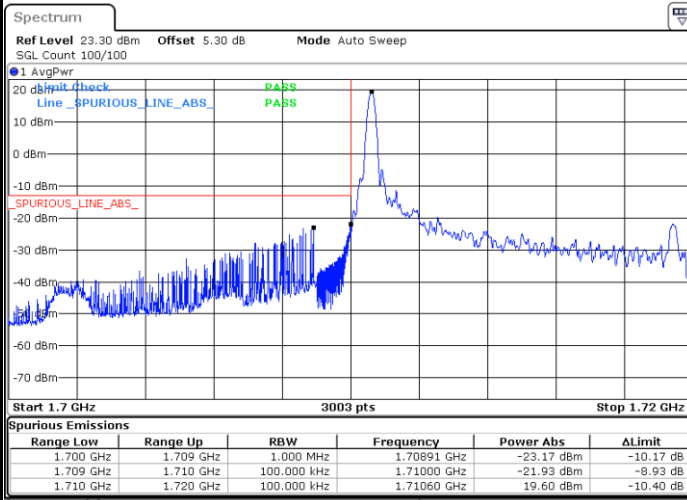


Date: 17.DEC.2020 23:04:42



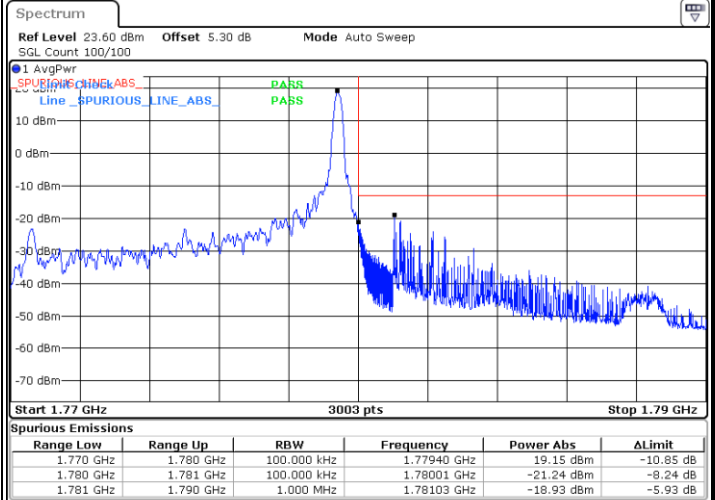
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



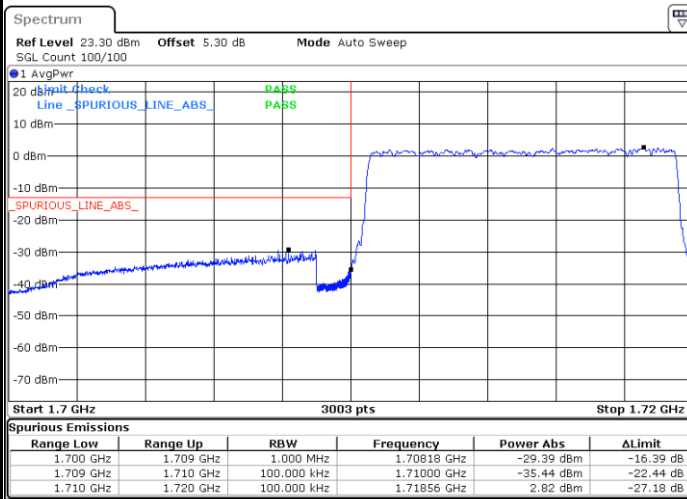
Date: 17.DEC.2020 23:01:10

Highest Band Edge / 1 RB



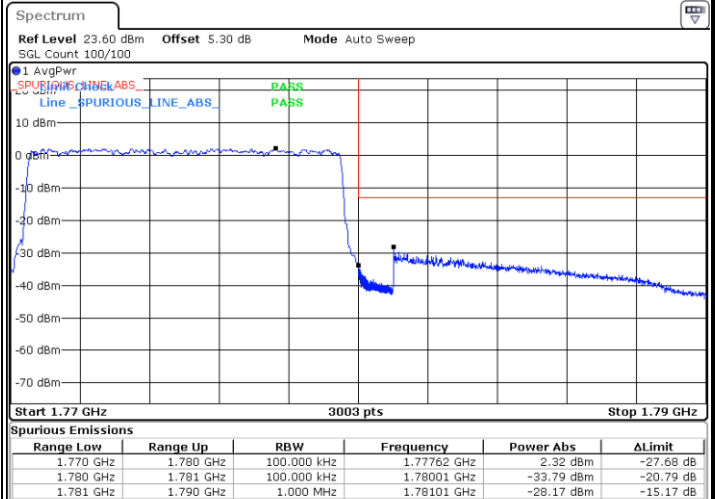
Date: 17.DEC.2020 23:04:03

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:01:31

Highest Band Edge / Full RB

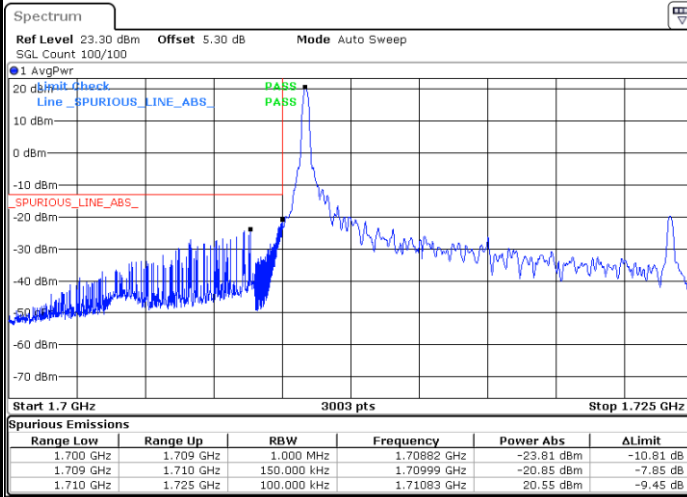


Date: 17.DEC.2020 23:04:24



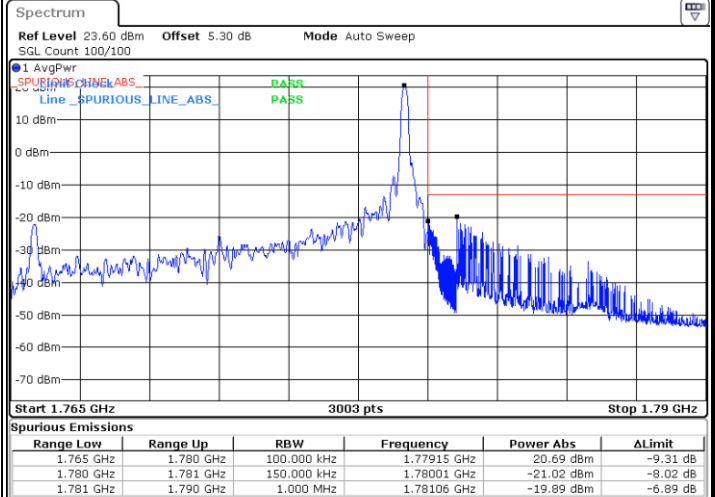
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



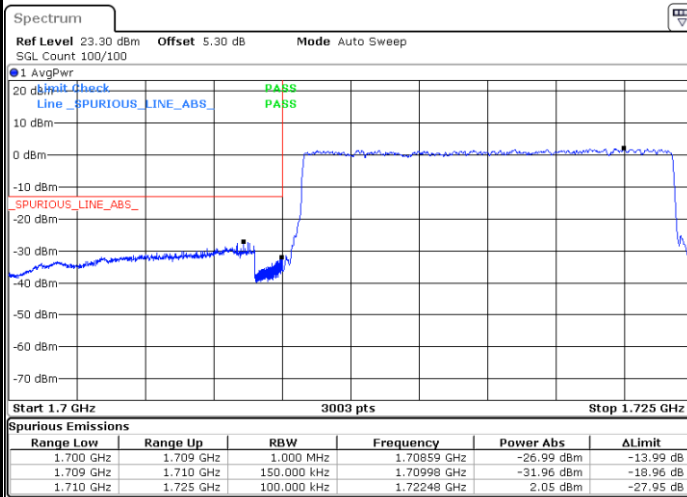
Date: 17.DEC.2020 23:07:09

Highest Band Edge / 1 RB



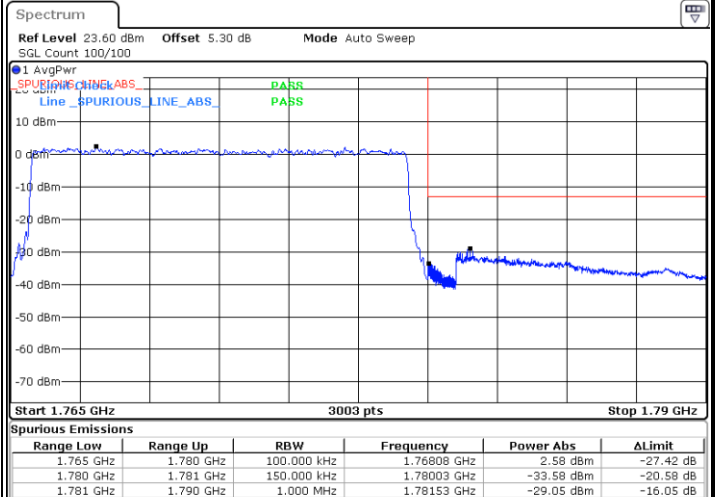
Date: 17.DEC.2020 23:09:38

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:08:25

Highest Band Edge / Full RB

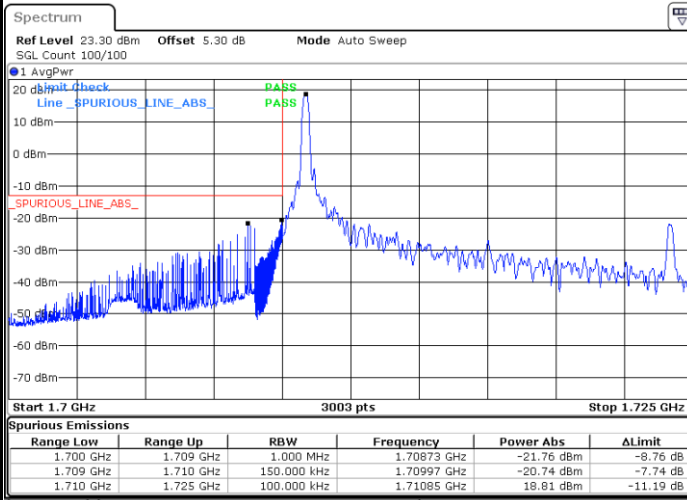


Date: 17.DEC.2020 23:10:57



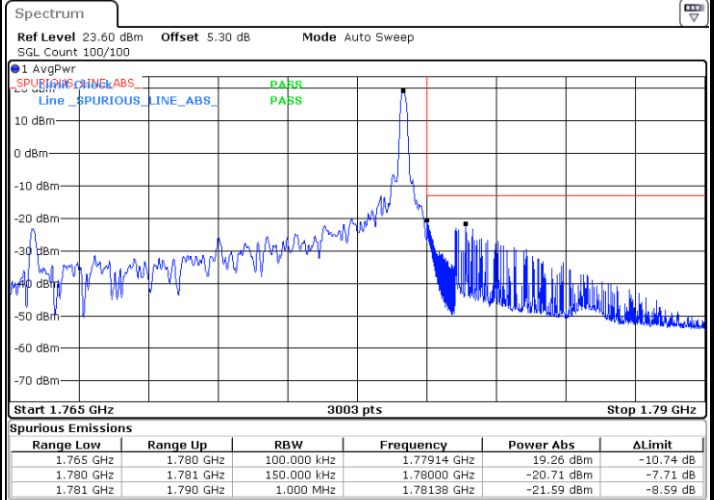
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



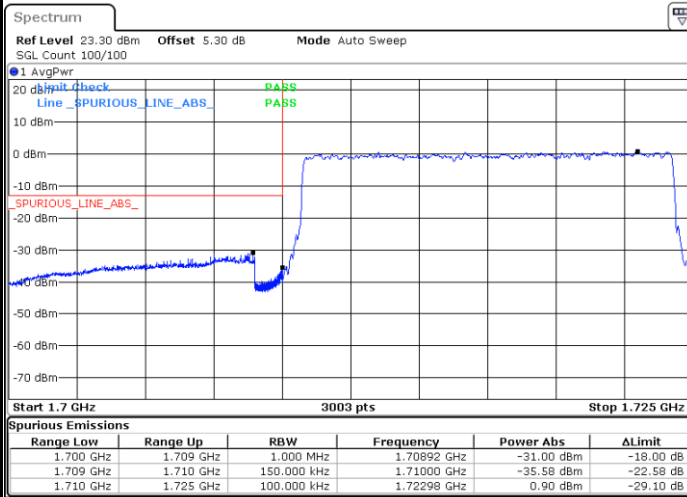
Date: 17.DEC.2020 23:07:23

Highest Band Edge / 1 RB



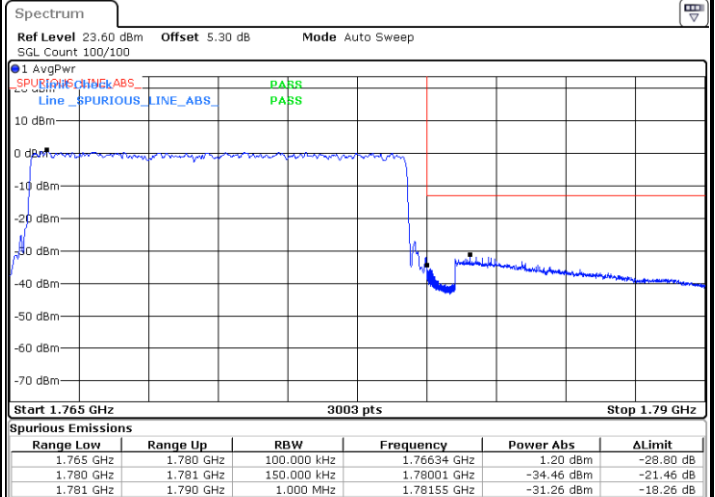
Date: 17.DEC.2020 23:09:54

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:08:11

Highest Band Edge / Full RB

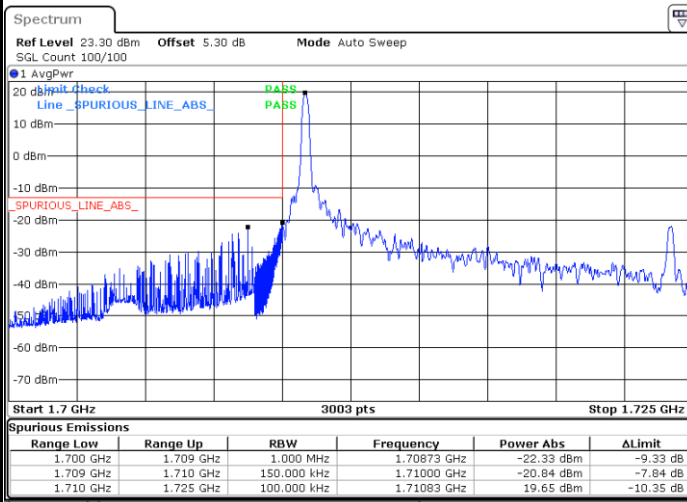


Date: 17.DEC.2020 23:10:42



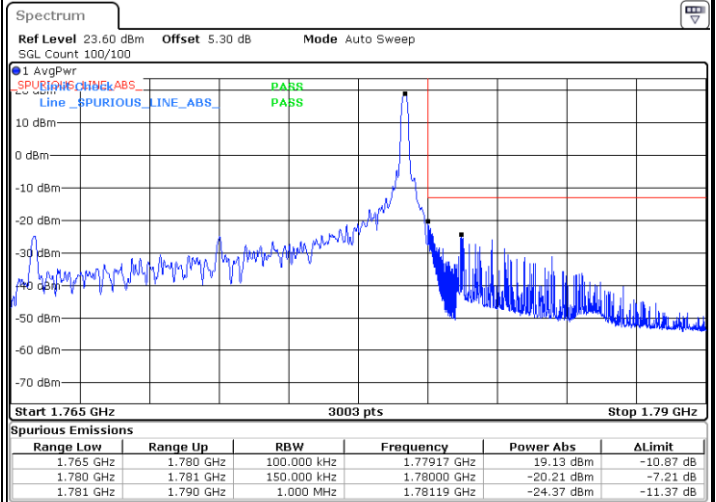
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



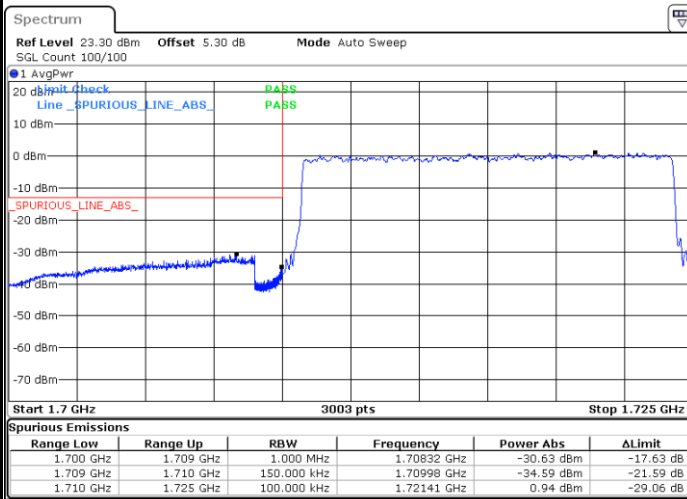
Date: 17.DEC.2020 23:07:37

Highest Band Edge / 1 RB



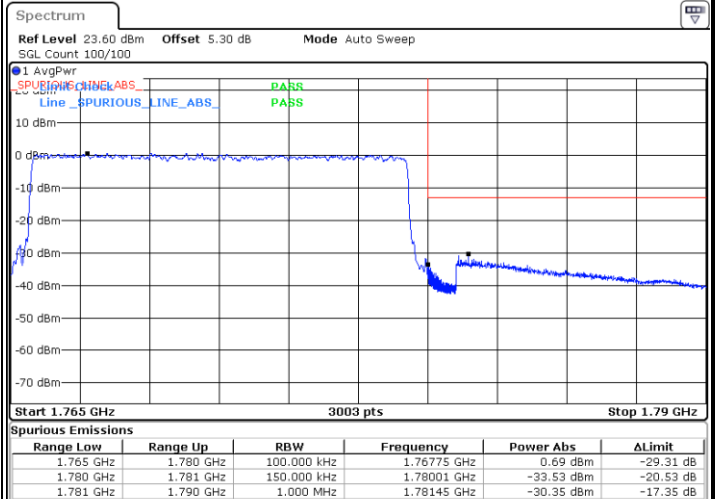
Date: 17.DEC.2020 23:10:08

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:07:56

Highest Band Edge / Full RB

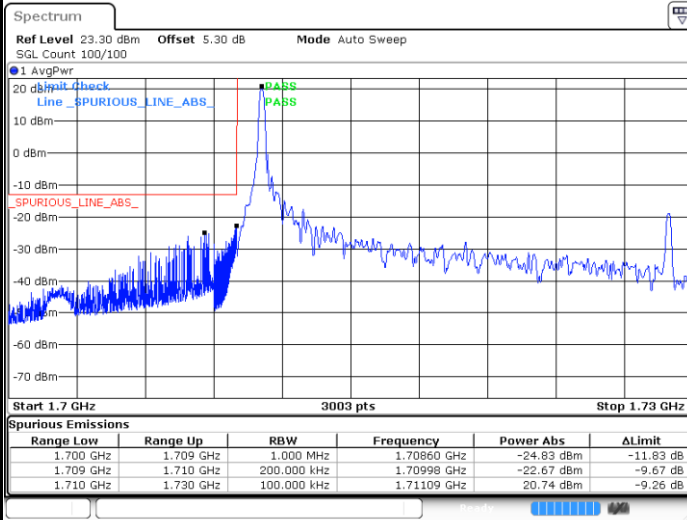


Date: 17.DEC.2020 23:10:27



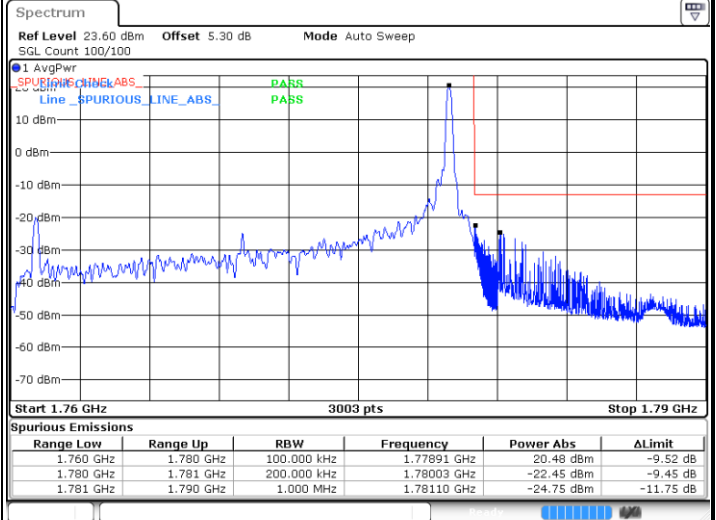
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



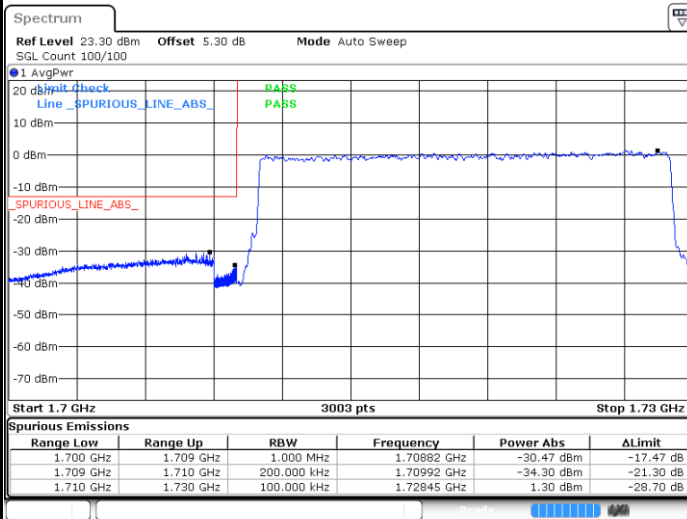
Date: 17.DEC.2020 23:13:18

Highest Band Edge / 1 RB



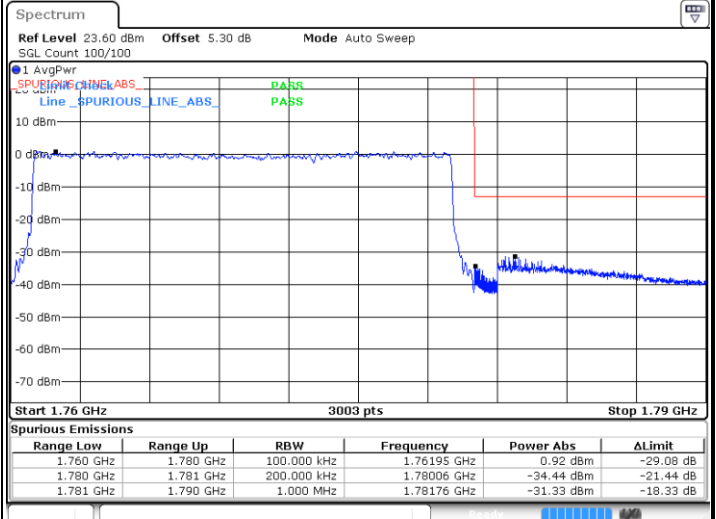
Date: 17.DEC.2020 23:15:53

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:14:36

Highest Band Edge / Full RB

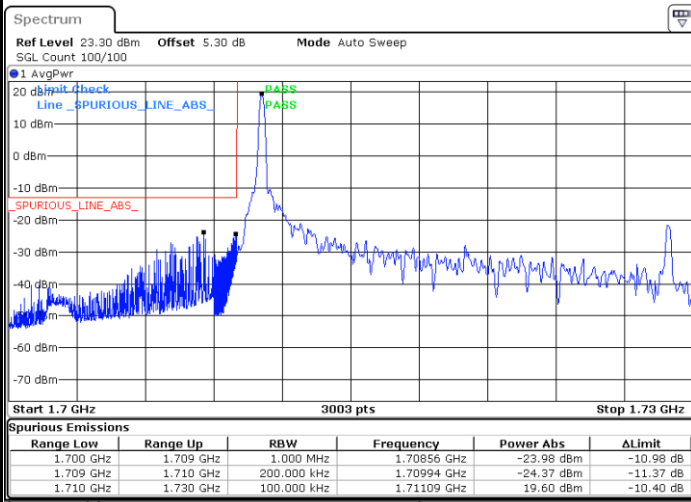


Date: 17.DEC.2020 23:17:17



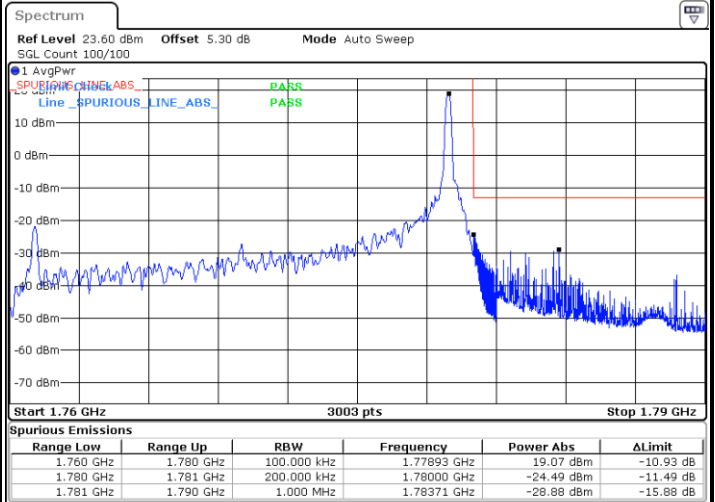
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



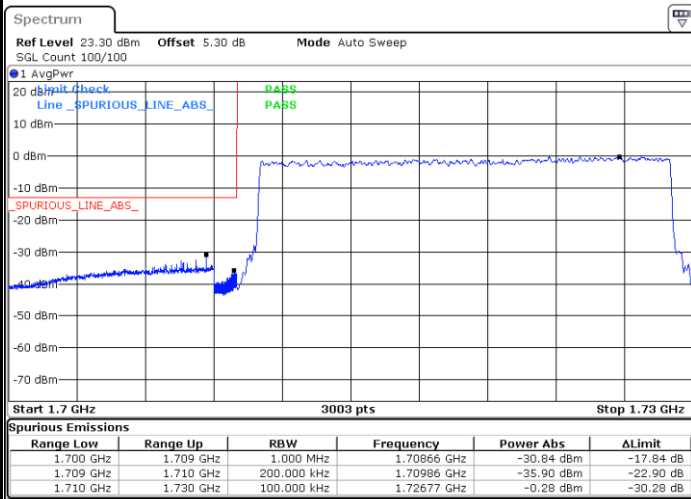
Date: 17.DEC.2020 23:13:36

Highest Band Edge / 1 RB



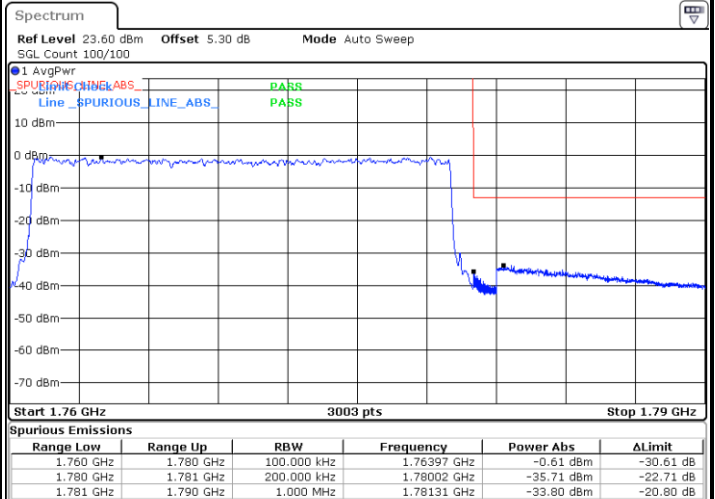
Date: 17.DEC.2020 23:16:08

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:14:21

Highest Band Edge / Full RB

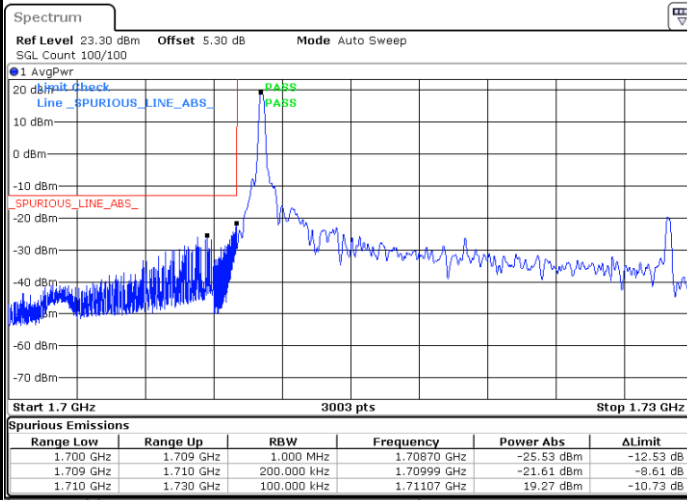


Date: 17.DEC.2020 23:17:03



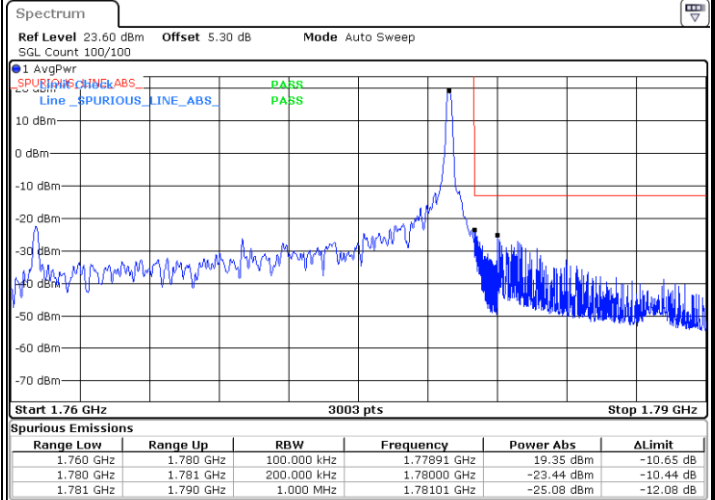
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



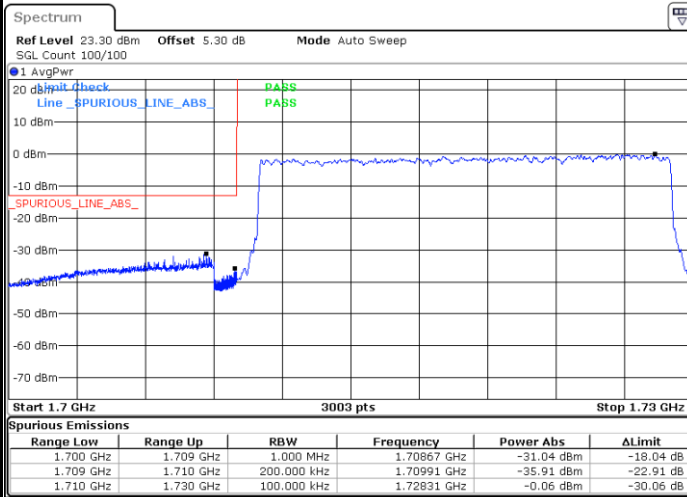
Date: 17.DEC.2020 23:13:50

Highest Band Edge / 1 RB



Date: 17.DEC.2020 23:16:23

Lowest Band Edge / Full RB



Date: 17.DEC.2020 23:14:08

Highest Band Edge / Full RB

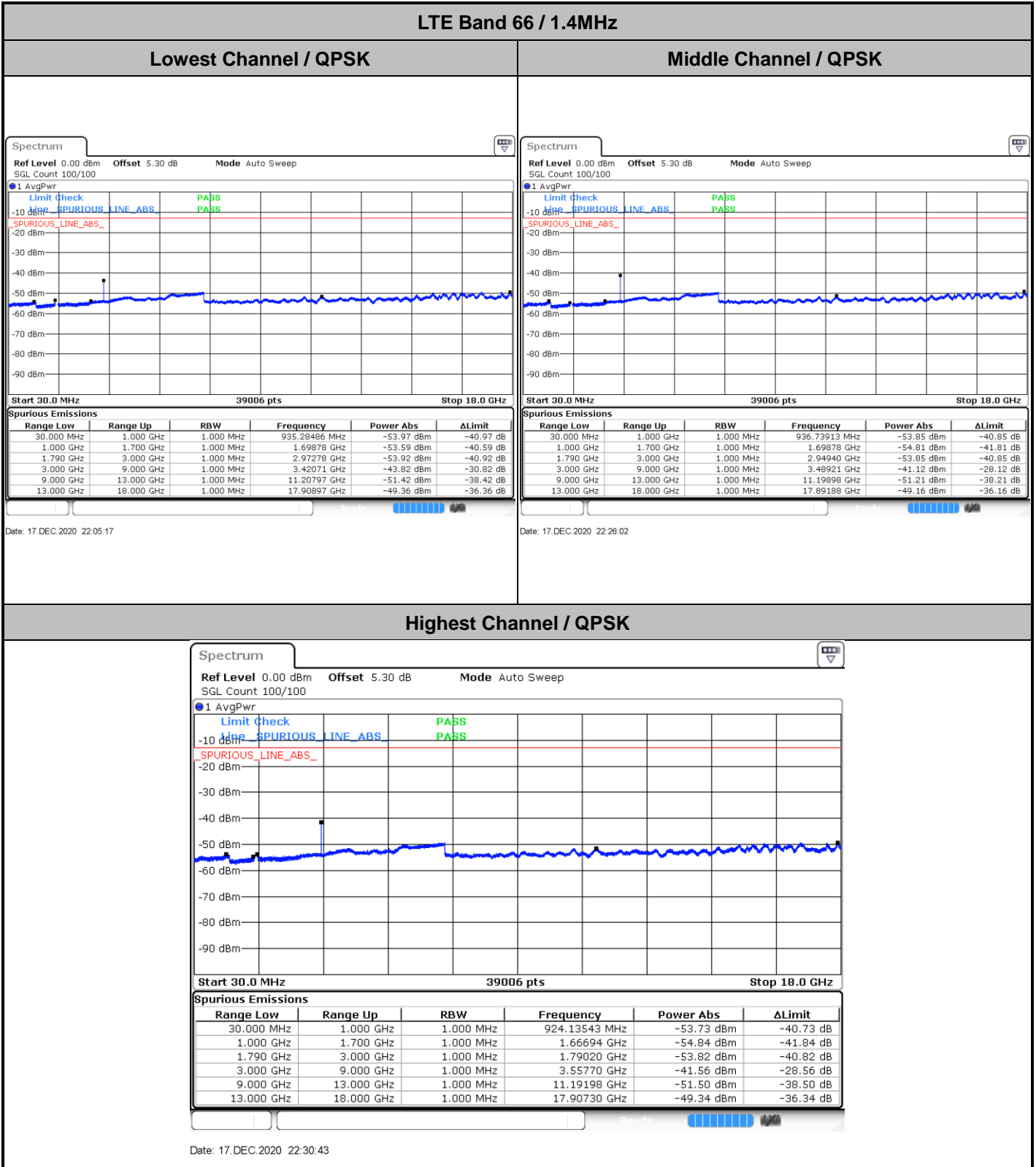


Date: 17.DEC.2020 23:16:43





# Conducted Spurious Emission

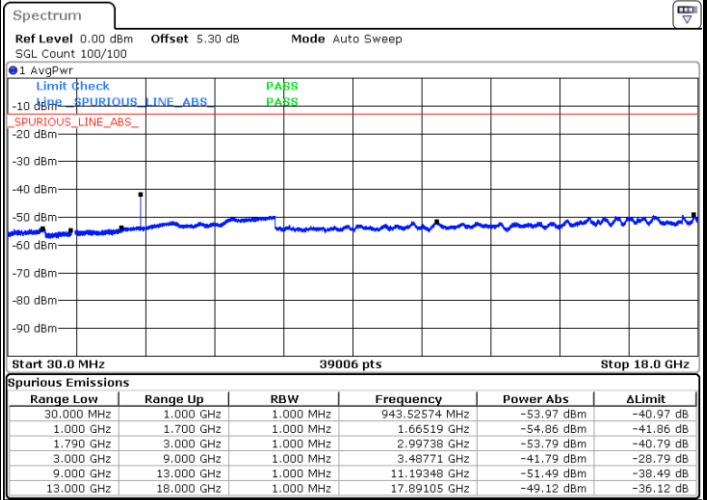
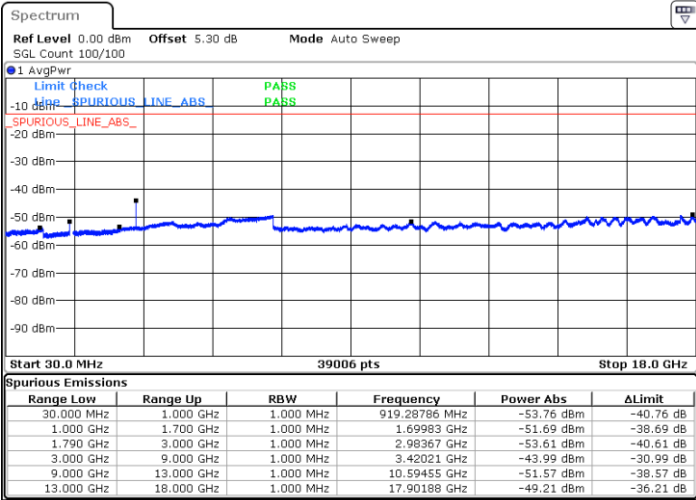




LTE Band 66 / 3MHz

Lowest Channel / QPSK

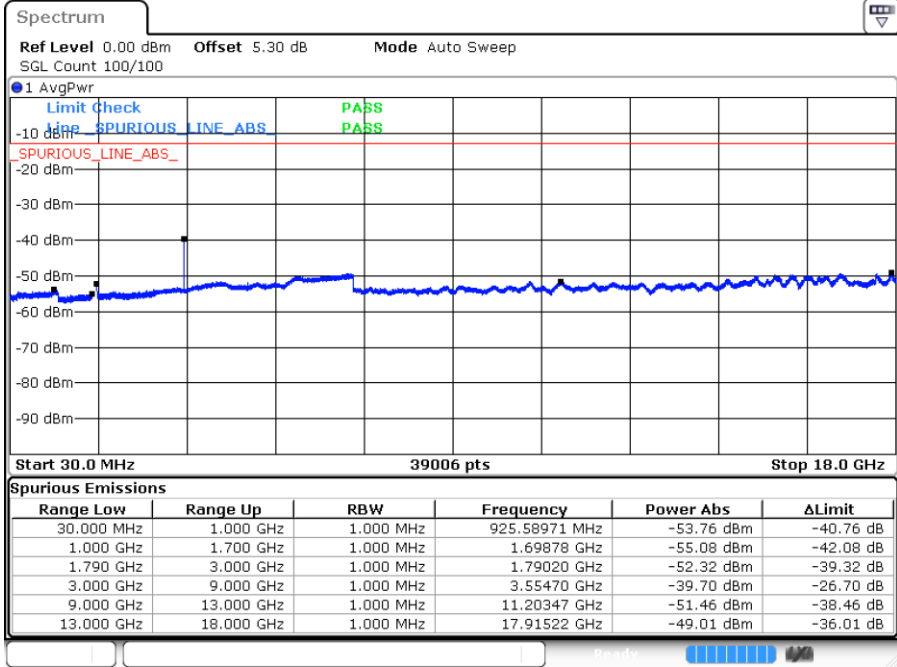
Middle Channel / QPSK



Date: 17.DEC.2020 22:41:38

Date: 17.DEC.2020 22:40:01

Highest Channel / QPSK

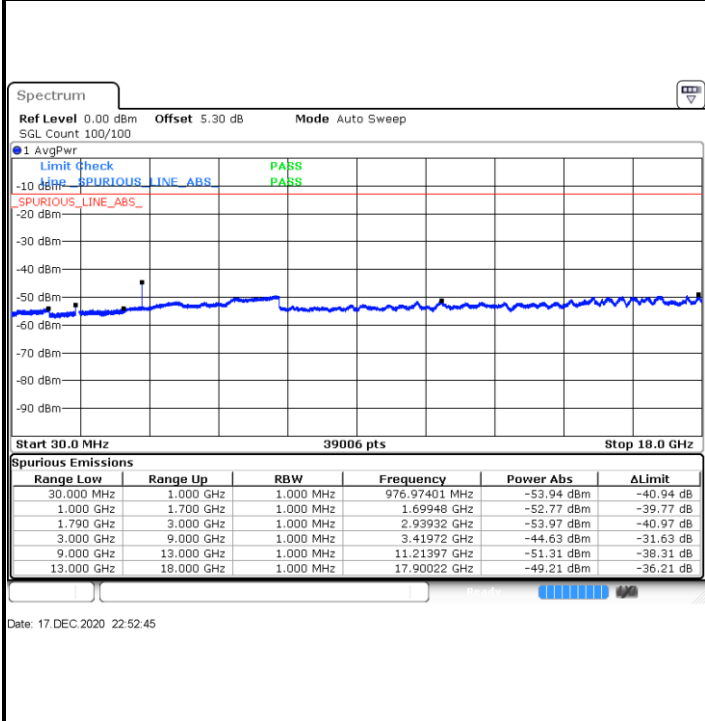


Date: 17.DEC.2020 22:46:49

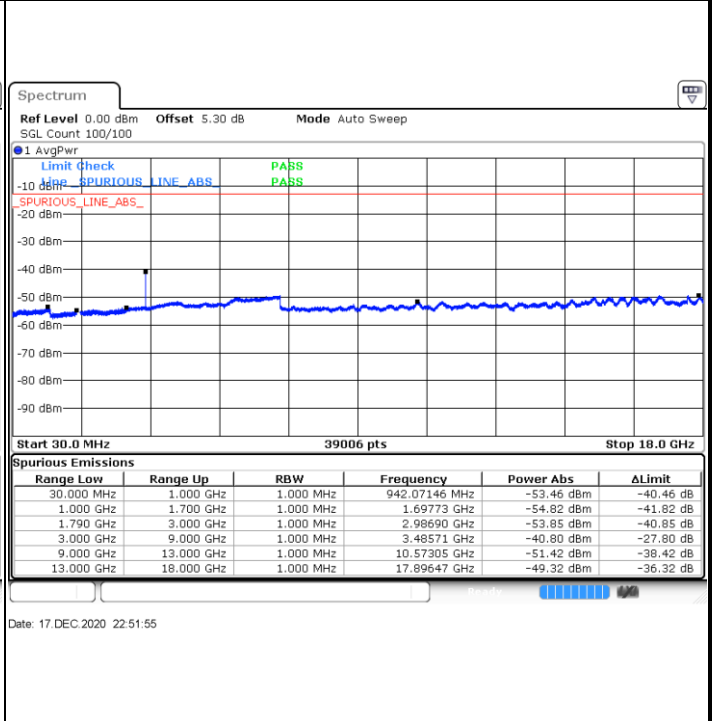


**LTE Band 66 / 5MHz**

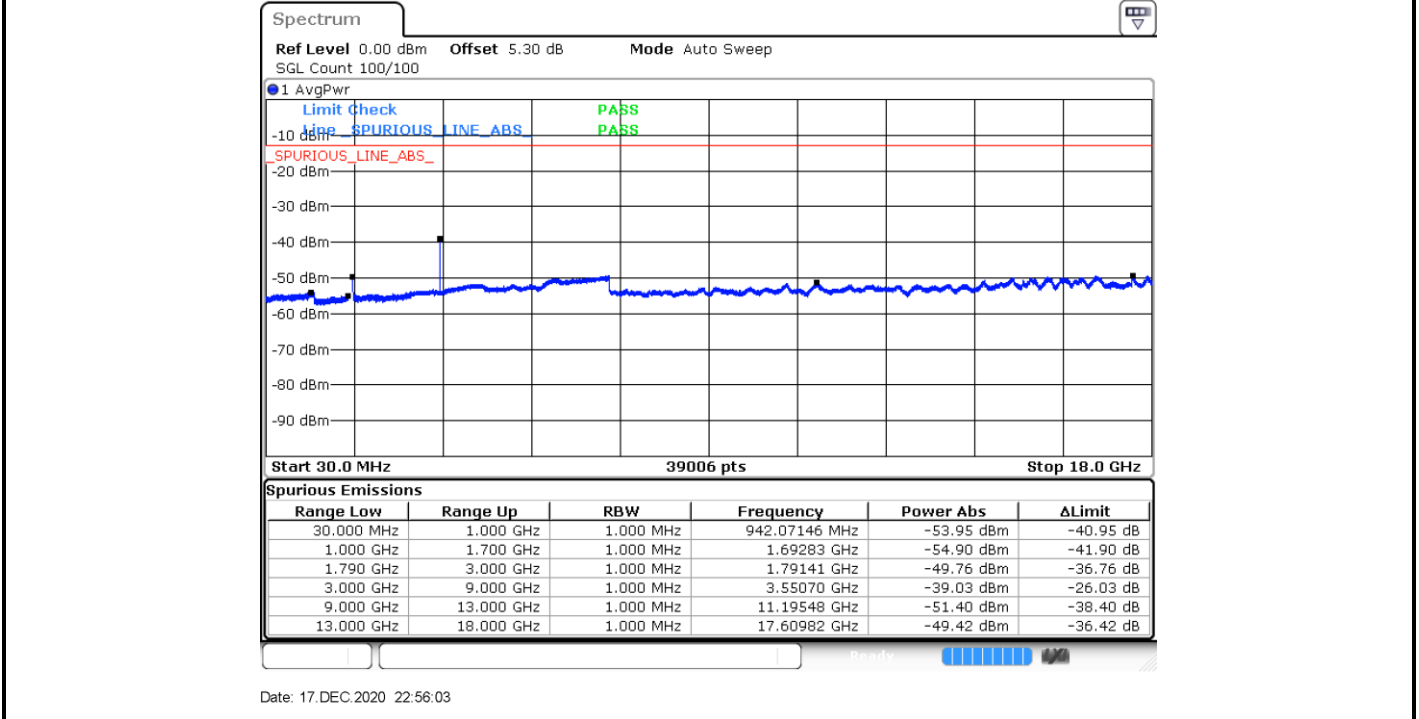
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



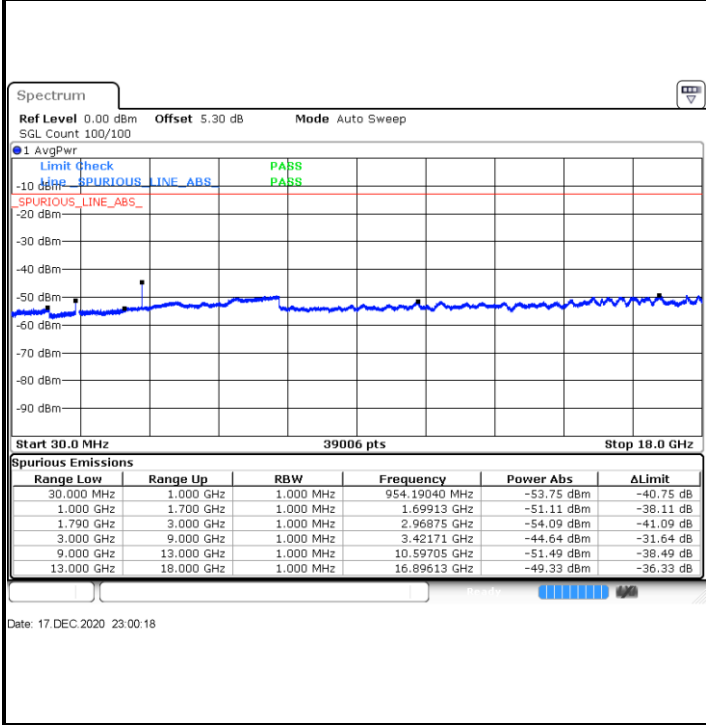
**Highest Channel / QPSK**



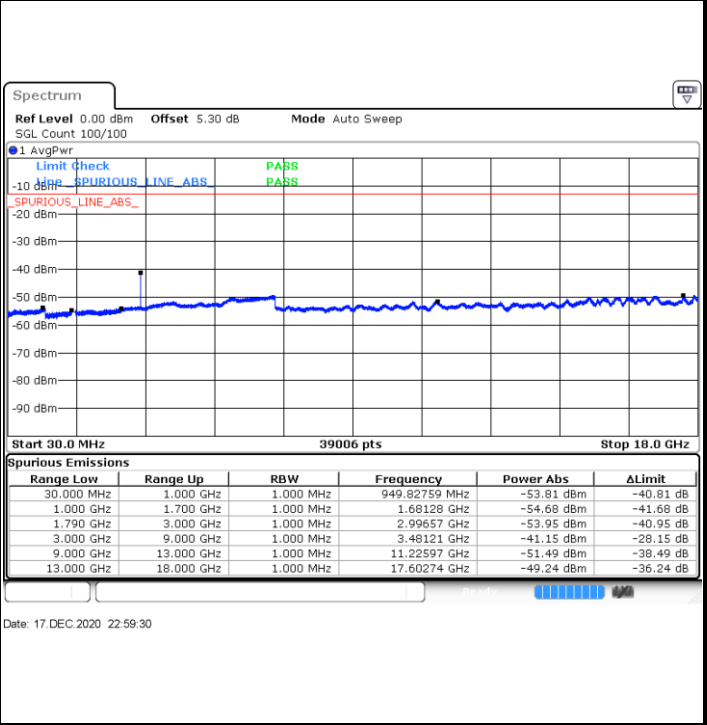


LTE Band 66 / 10MHz

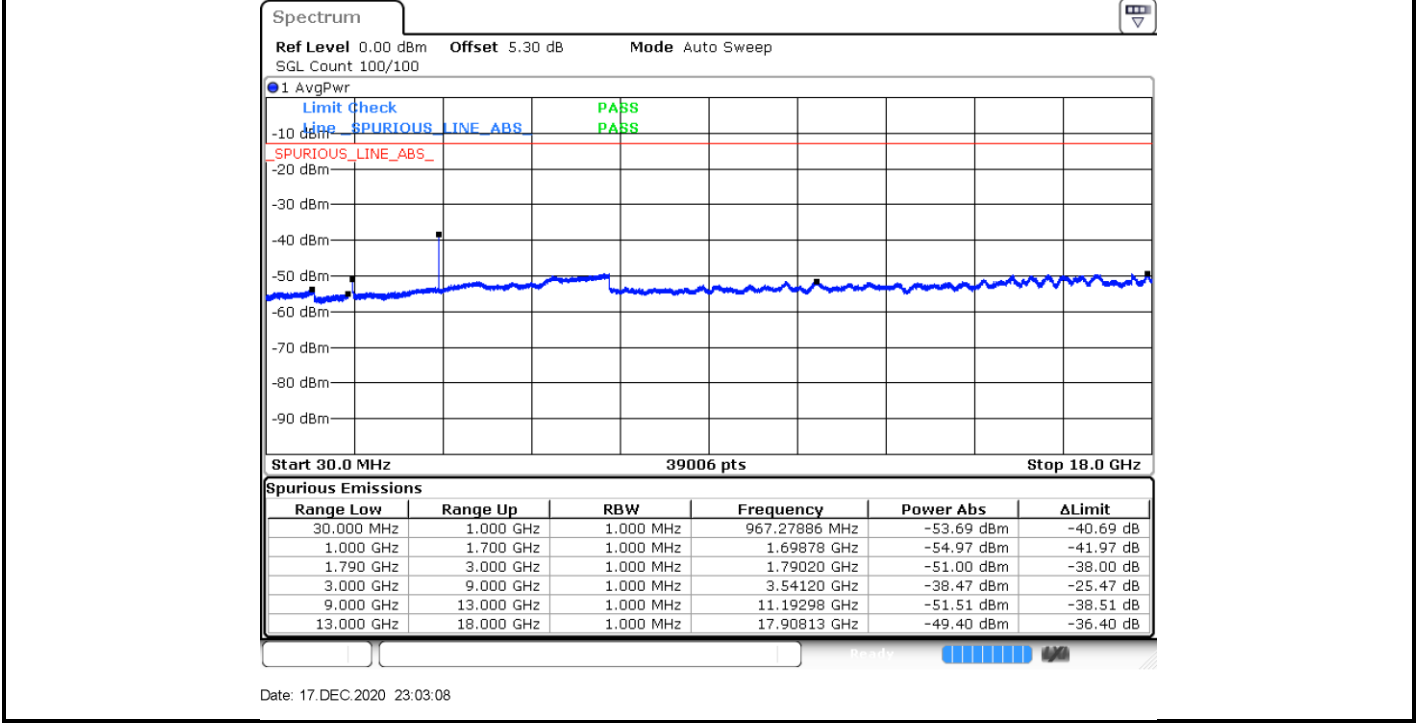
Lowest Channel / QPSK



Middle Channel / QPSK



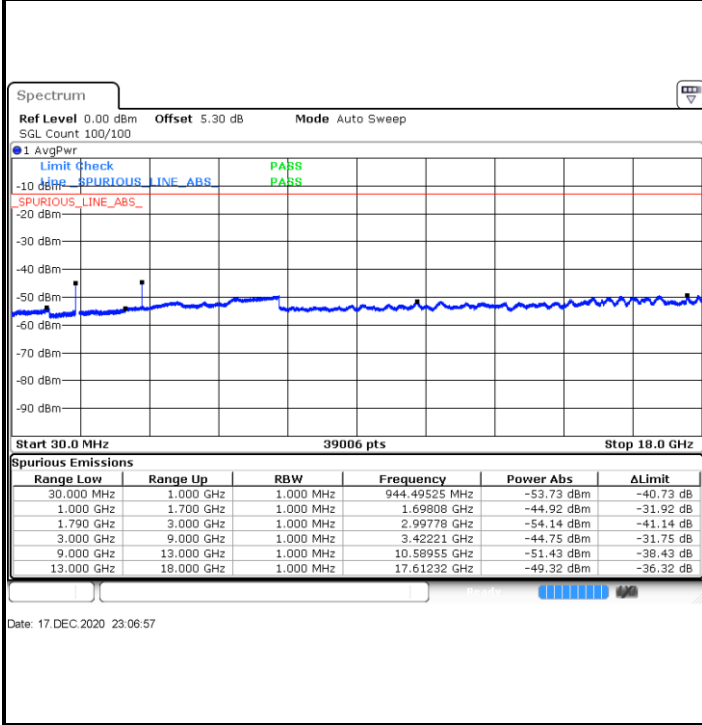
Highest Channel / QPSK



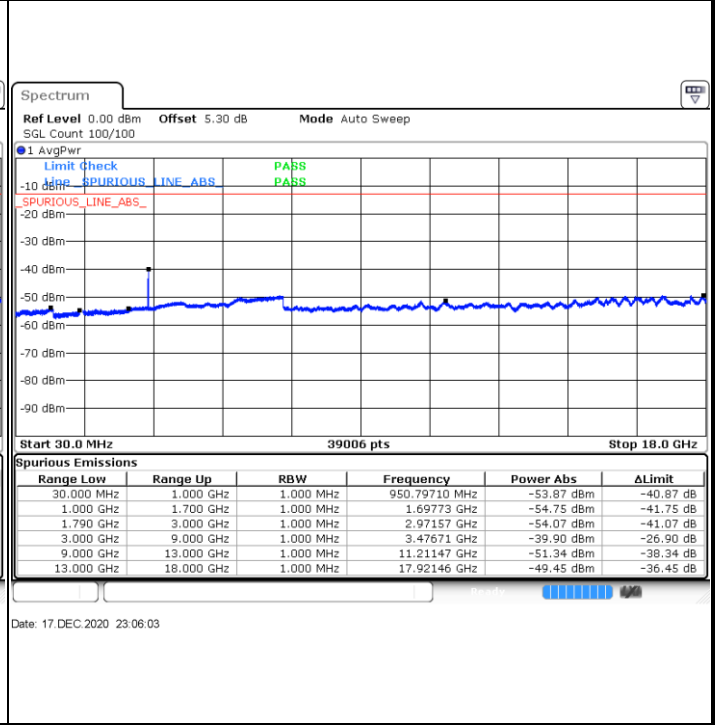


**LTE Band 66 / 15MHz**

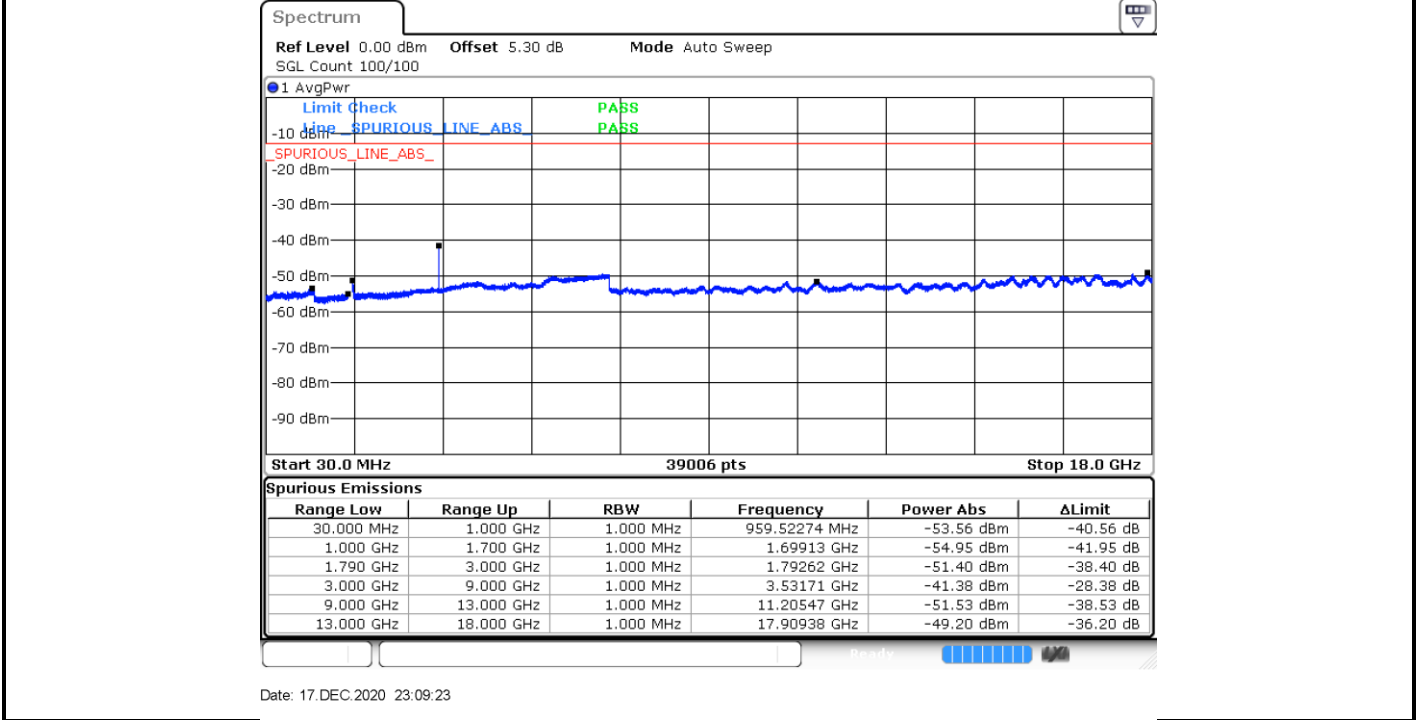
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

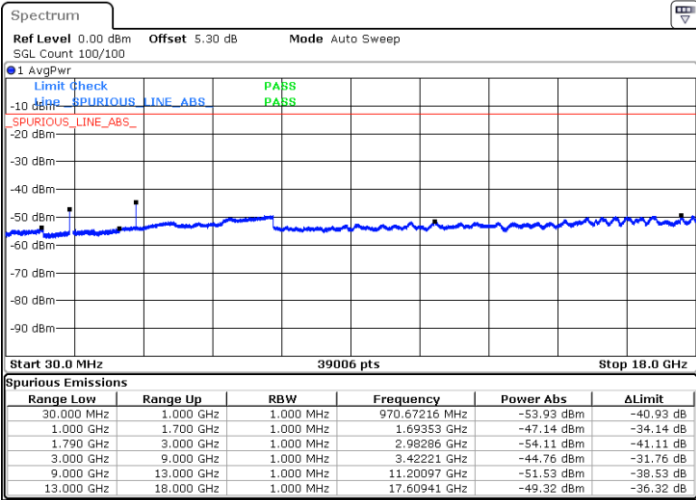




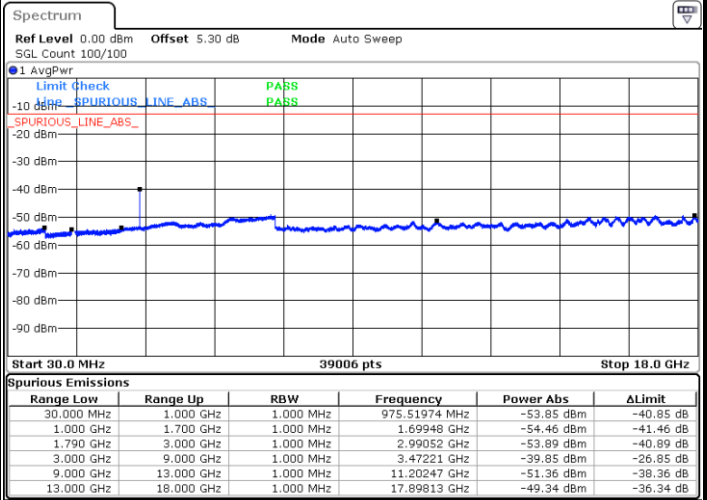
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

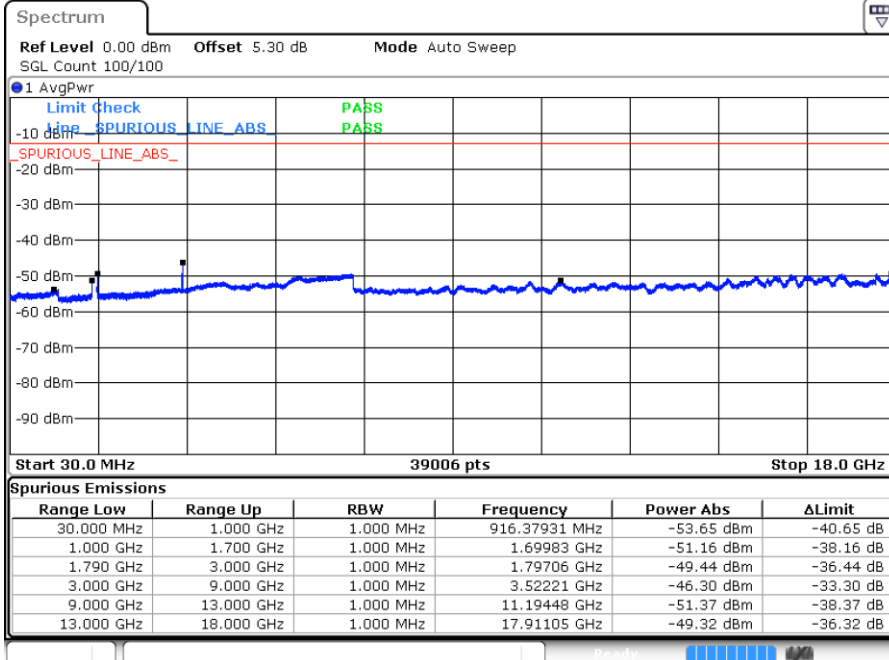


Date: 17.DEC.2020 23:13:05



Date: 17.DEC.2020 23:12:12

Highest Channel / QPSK



Date: 17.DEC.2020 23:15:34



**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	0.0001	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0002	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-45.50	-13	-32.50	-57.76	2.64	14.90	H
	5613	-46.51	-13	-33.51	-58.37	2.94	14.80	H
	7488	-42.13	-13	-29.13	-51.90	3.39	13.16	H
	9360	-48.20	-13	-35.20	-58.68	4.00	14.48	H
	3741	-47.61	-13	-34.61	-59.87	2.64	14.90	V
	5613	-49.83	-13	-36.83	-61.69	2.94	14.80	V
	7488	-37.76	-13	-24.76	-47.53	3.39	13.16	V
	9360	-50.37	-13	-37.37	-60.85	4.00	14.48	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-65.52	-13	-52.52	-72.49	1.58	10.70	H
	2496	-55.74	-13	-42.74	-63.99	2.10	12.50	H
	3330	-60.77	-13	-47.77	-69.66	2.86	13.90	H
	4158	-59.46	-13	-46.46	-67.92	2.69	13.30	H
	4992	-55.91	-13	-42.91	-63.67	3.09	13.00	H
	5826	-55.69	-13	-42.69	-64.46	3.18	14.10	H
	6654	-56.26	-13	-43.26	-63.50	3.31	12.70	H
	7488	-55.05	-13	-42.05	-62.64	3.41	13.15	H
	8322	-51.00	-13	-38.00	-58.90	3.86	13.91	H
	1664	-64.59	-13	-51.59	-71.56	1.58	10.70	V
	2496	-54.80	-13	-41.80	-63.05	2.10	12.50	V
	3330	-60.37	-13	-47.37	-69.26	2.86	13.90	V
	4158	-60.61	-13	-47.61	-69.07	2.69	13.30	V
	4992	-56.50	-13	-43.50	-64.26	3.09	13.00	V
	5826	-57.28	-13	-44.28	-66.05	3.18	14.10	V
	6654	-56.46	-13	-43.46	-63.70	3.31	12.70	V
	7488	-55.06	-13	-42.06	-62.65	3.41	13.15	V
	8322	-52.95	-13	-39.95	-60.85	3.86	13.91	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-58.19	-25	-33.19	-68.40	3.03	13.24	H
	7580	-47.16	-25	-22.16	-56.61	3.56	13.01	H
	10100	-59.86	-25	-34.86	-69.38	3.92	13.44	H
	5052	-59.19	-25	-34.19	-69.40	3.03	13.24	V
	7580	-47.38	-25	-22.38	-56.83	3.56	13.01	V
	10100	-60.03	-25	-35.03	-69.55	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)
Middle	3471	-46.09	-13	-33.09	-56.83	2.604	13.34	H
	5208	-52.72	-13	-39.72	-63.23	3.011	13.52	H
	6948	-47.66	-13	-34.66	-57.86	3.271	13.47	H
	8676	-40.68	-13	-27.68	-47.65	5.527	12.5	H
	3471	-45.56	-13	-32.56	-56.30	2.604	13.34	V
	5208	-54.04	-13	-41.04	-64.55	3.011	13.52	V
	6948	-47.99	-13	-34.99	-58.19	3.271	13.47	V
	8676	-44.18	-13	-31.18	-51.15	5.527	12.50	V

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