

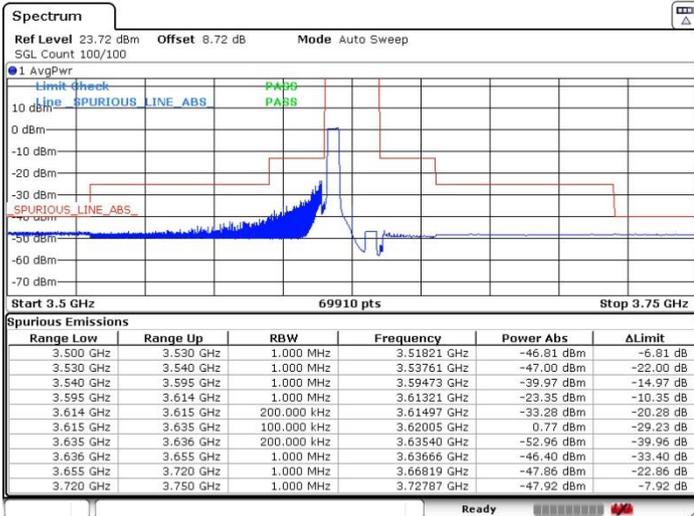


LTE Band 48 / 20MHz

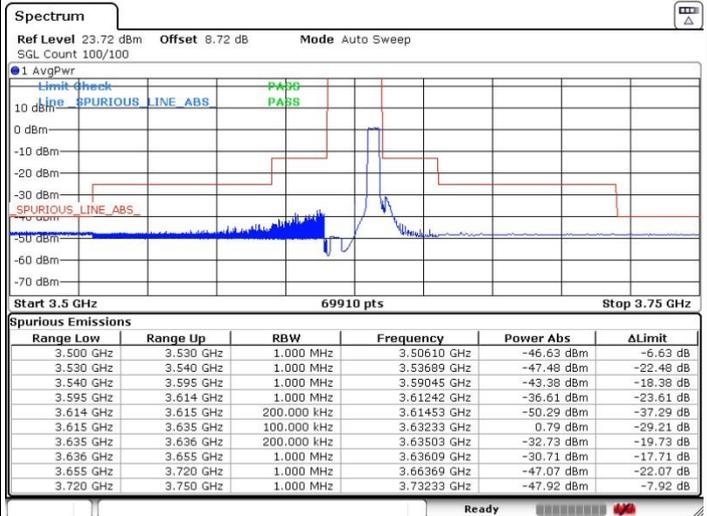
256QAM

Middle Channel / 24RB0

Middle Channel / 24RB76



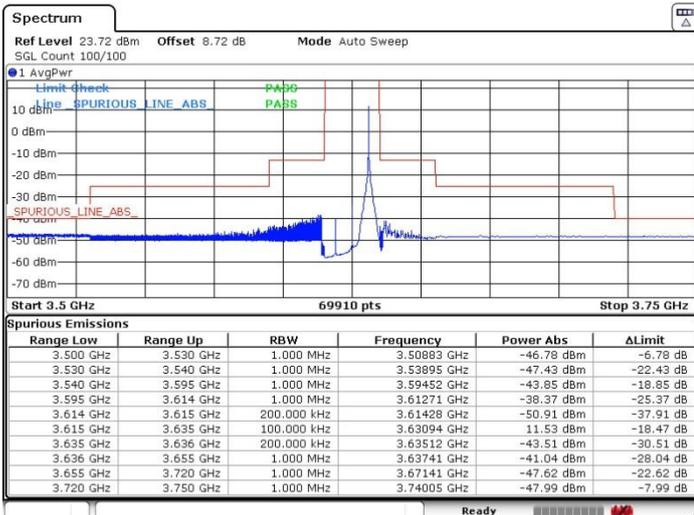
Date: 16.DEC.2021 21:14:39



Date: 16.DEC.2021 21:19:48

Middle Channel /1RB83

N/A



Date: 16.DEC.2021 21:04:27

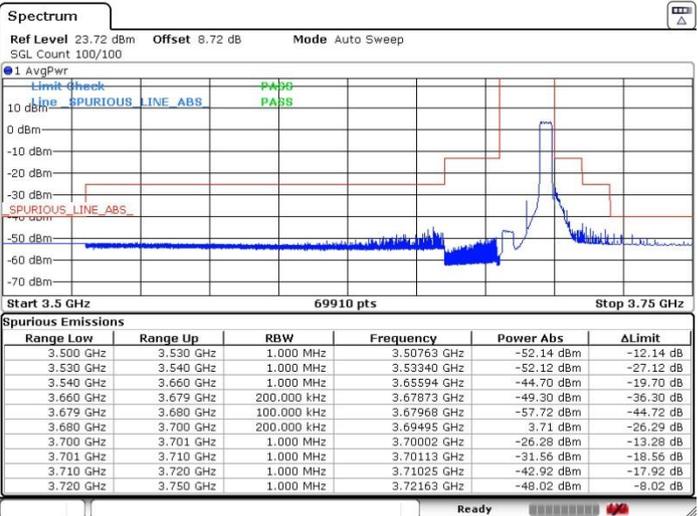
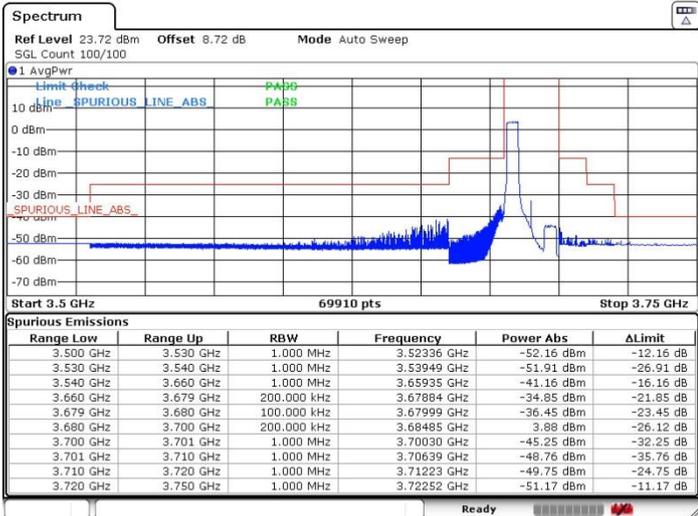


LTE Band 48 / 20MHz

256QAM

Highest Channel / 24RB0

Highest Channel / 24RB76

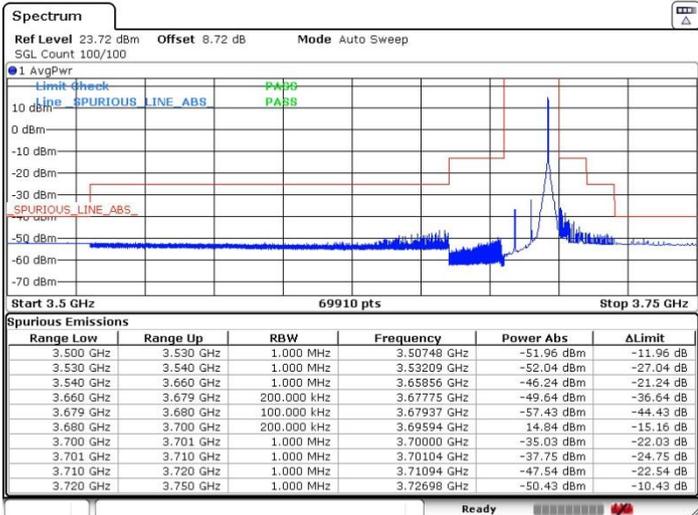


Date: 16.DEC.2021 20:44:30

Date: 16.DEC.2021 20:45:32

Highest Channel / 1RB83

N/A



Date: 16.DEC.2021 20:36:33

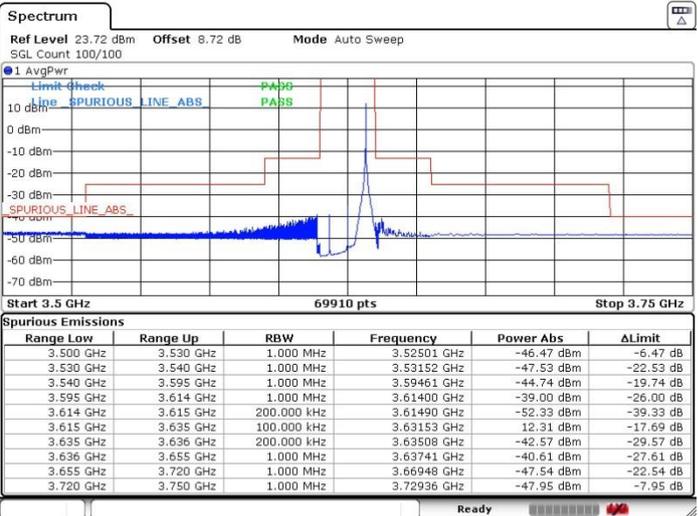
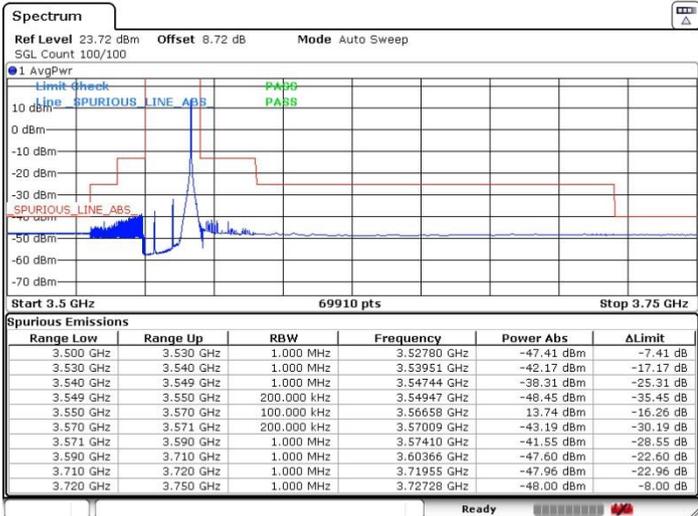


LTE Band 48 / 20MHz

256QAM

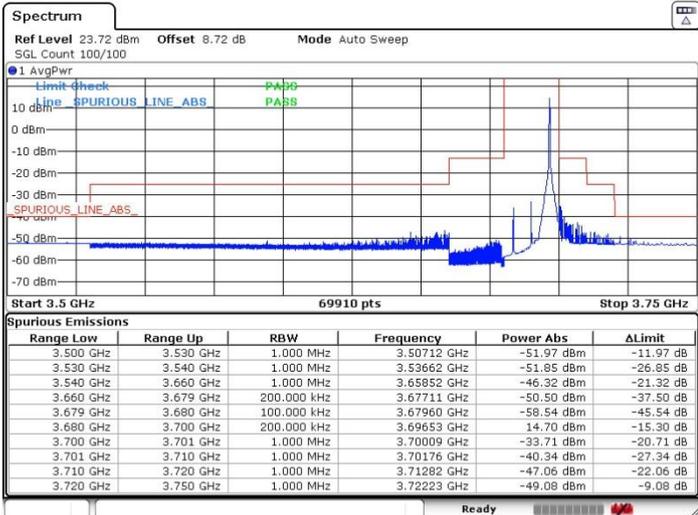
Lowest Channel / 1RB86

Middle Channel / 1RB86



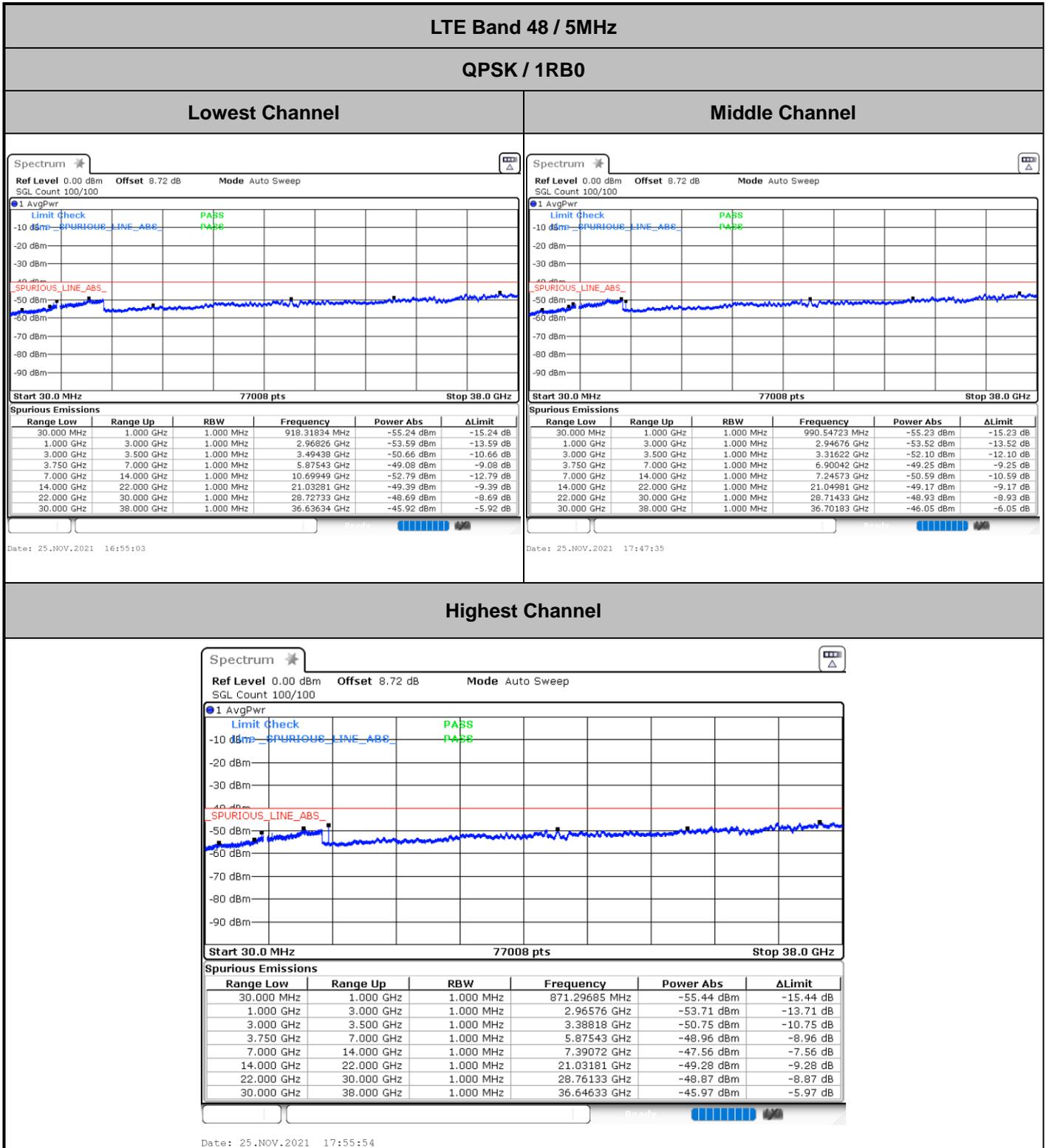
Highest Channel / 1RB86

N/A





Conducted Spurious Emission



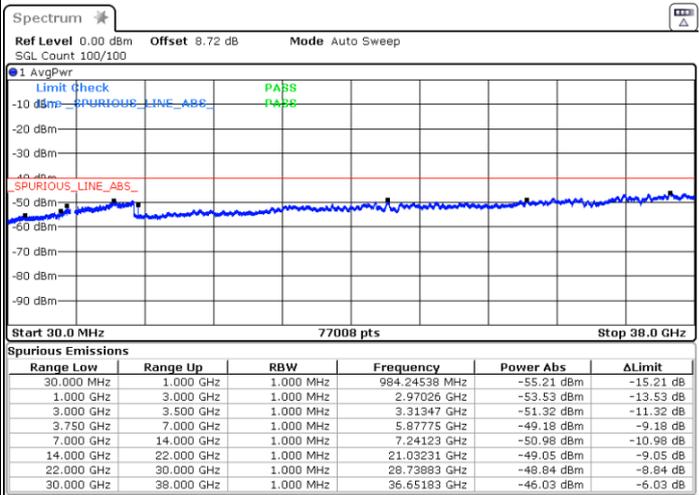
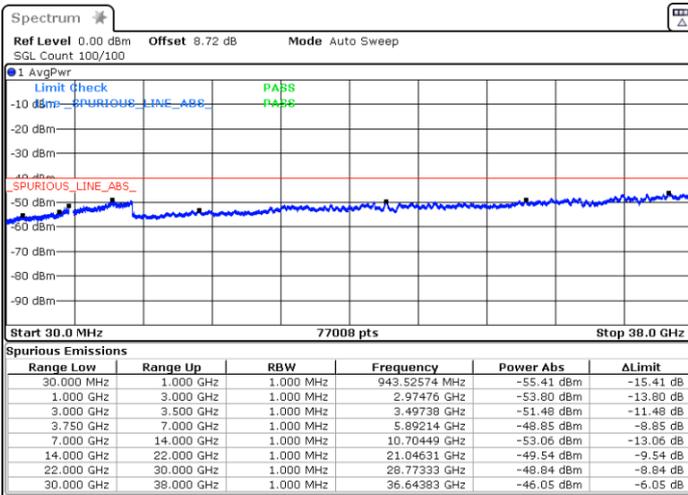


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

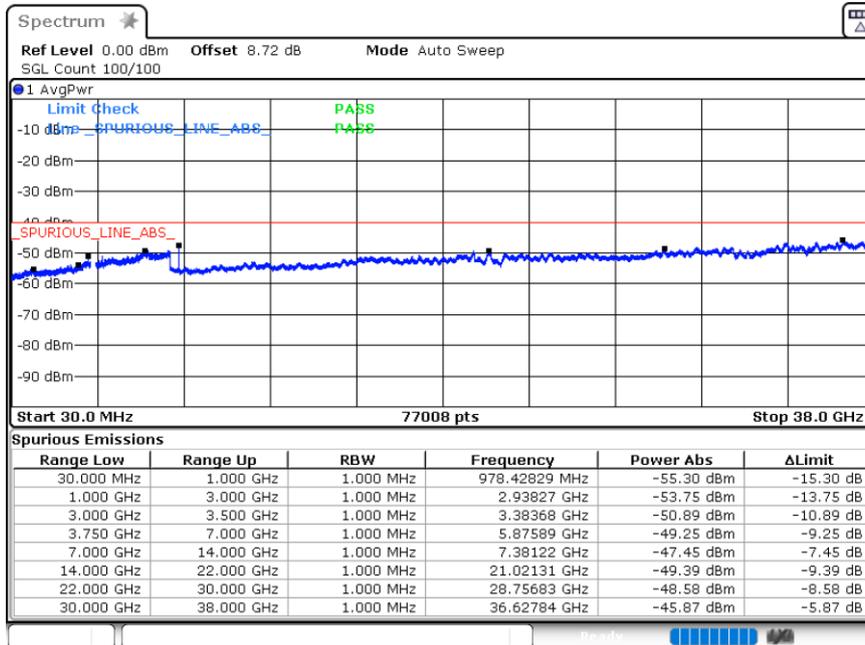
Middle Channel



Date: 25.NOV.2021 16:35:42

Date: 25.NOV.2021 16:43:36

Highest Channel



Date: 25.NOV.2021 16:47:34

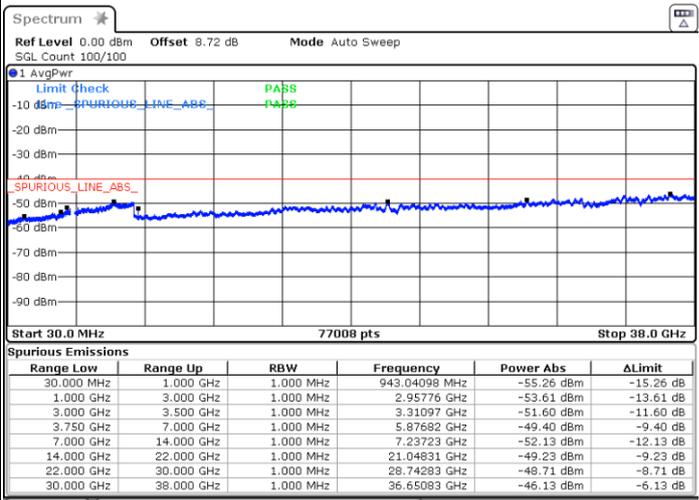
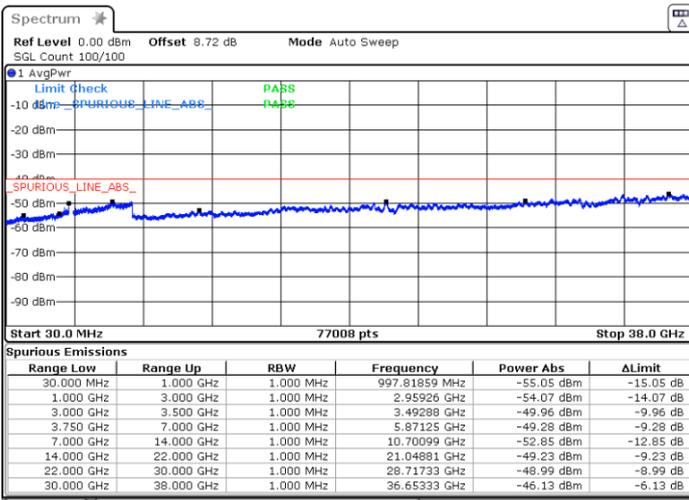


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

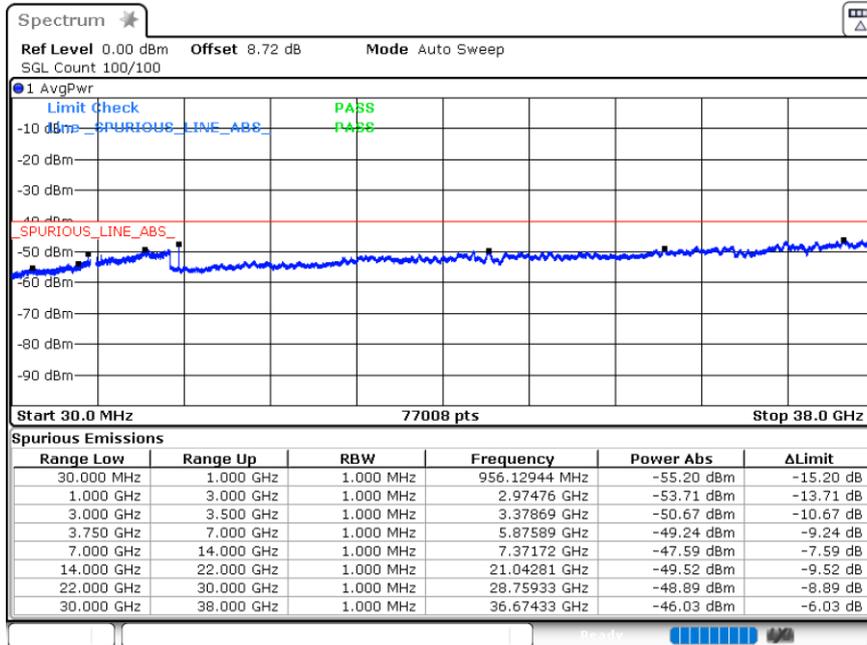
Middle Channel



Date: 25.NOV.2021 18:11:02

Date: 25.NOV.2021 18:19:23

Highest Channel



Date: 25.NOV.2021 18:27:13

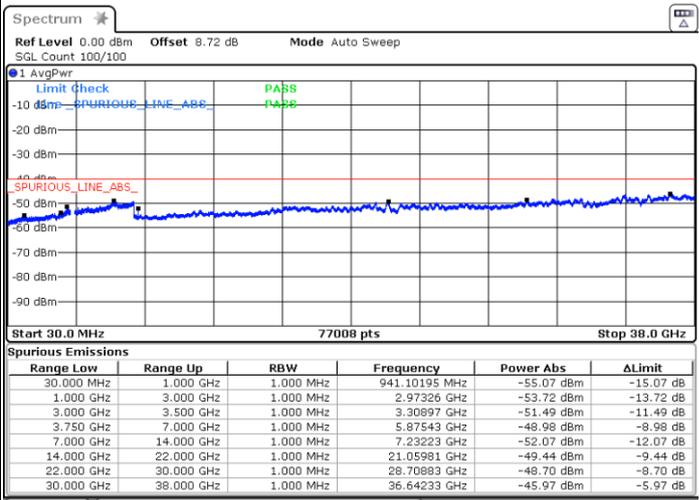
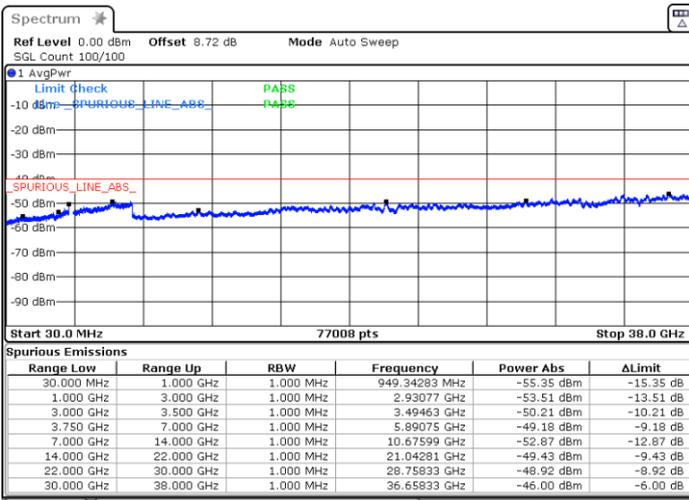


LTE Band 48 / 20MHz

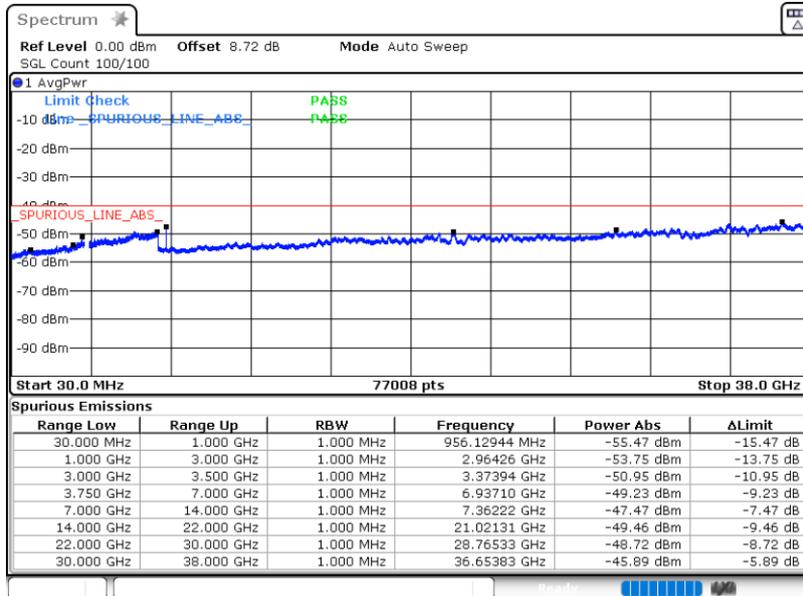
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel





Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6V. ; 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

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

LTE Band 48 / 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	7230	-61.94	-40	-21.94	-73.40	2.84	14.30	H
	10848	-58.03	-40	-18.03	-67.97	3.49	13.43	H
	14466	-59.27	-40	-19.27	-69.51	3.85	14.09	H
	7230	-60.99	-40	-20.99	-72.45	2.84	14.30	V
	10848	-54.67	-40	-14.67	-64.61	3.49	13.43	V
	14466	-58.91	-40	-18.91	-69.15	3.85	14.09	V

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