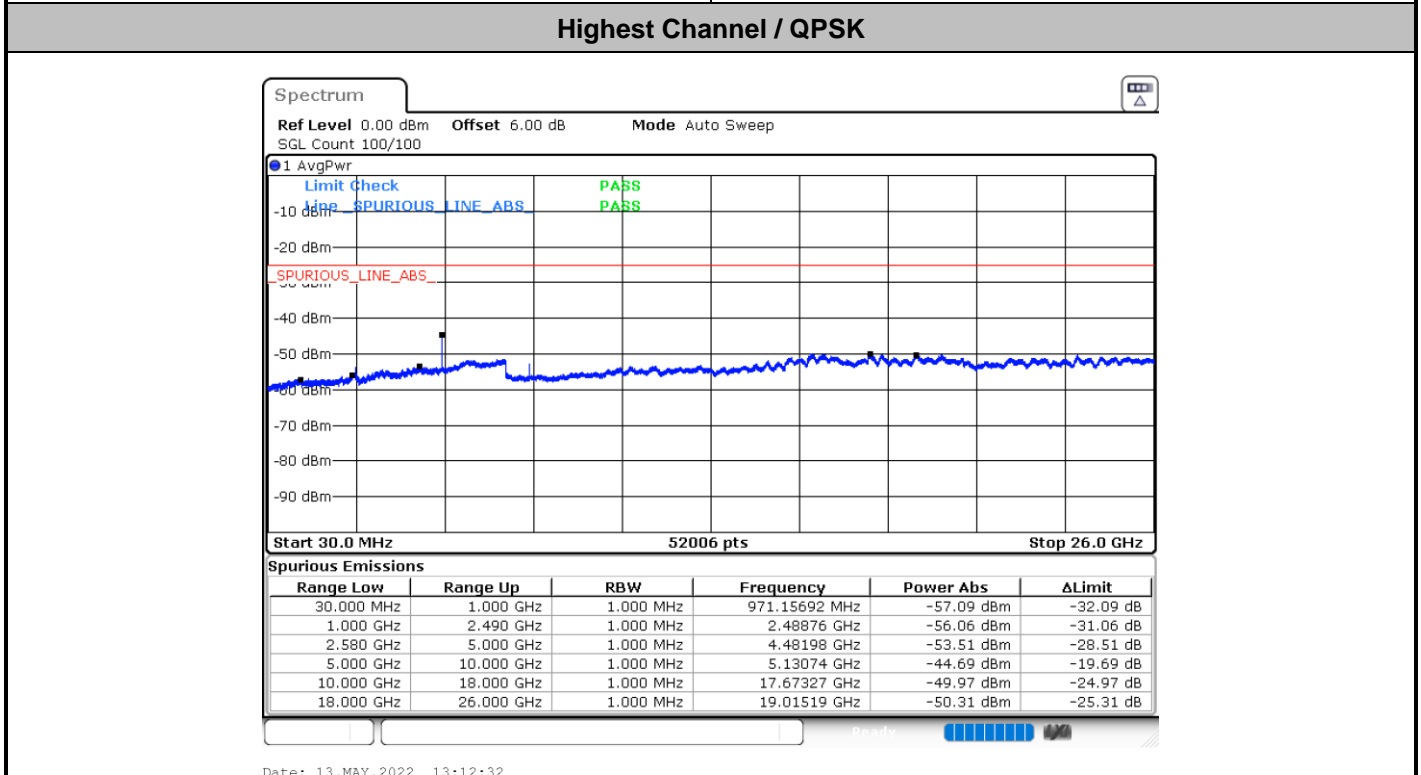
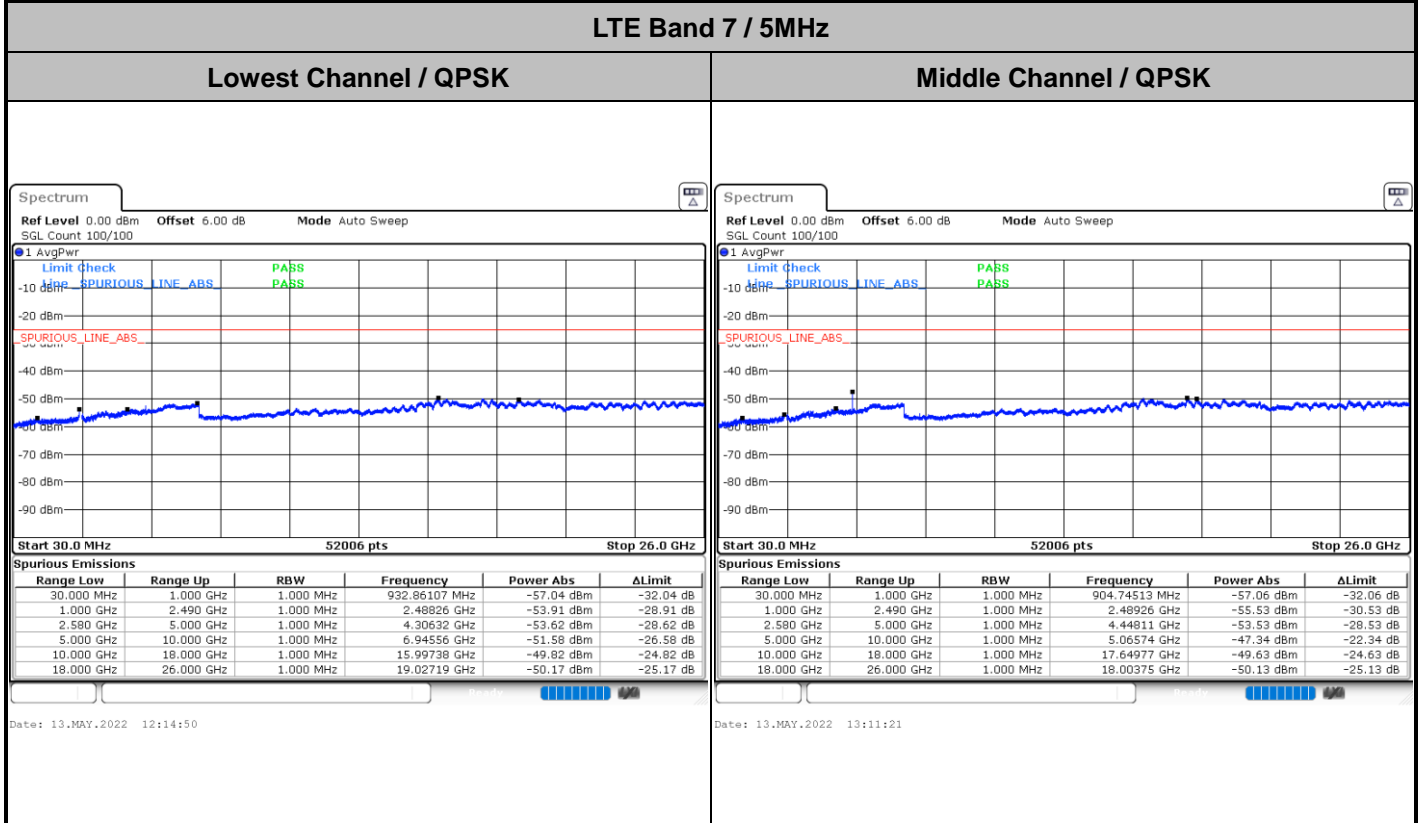




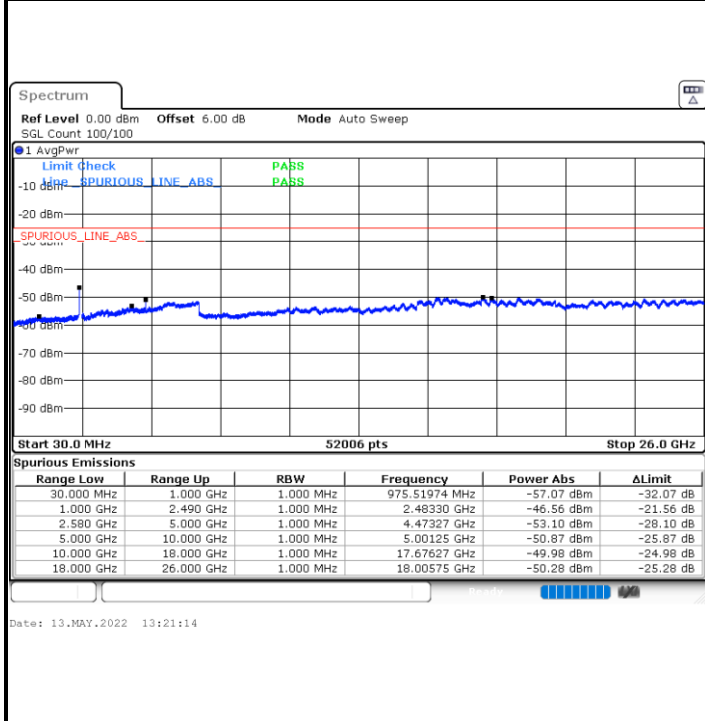
# Conducted Spurious Emission



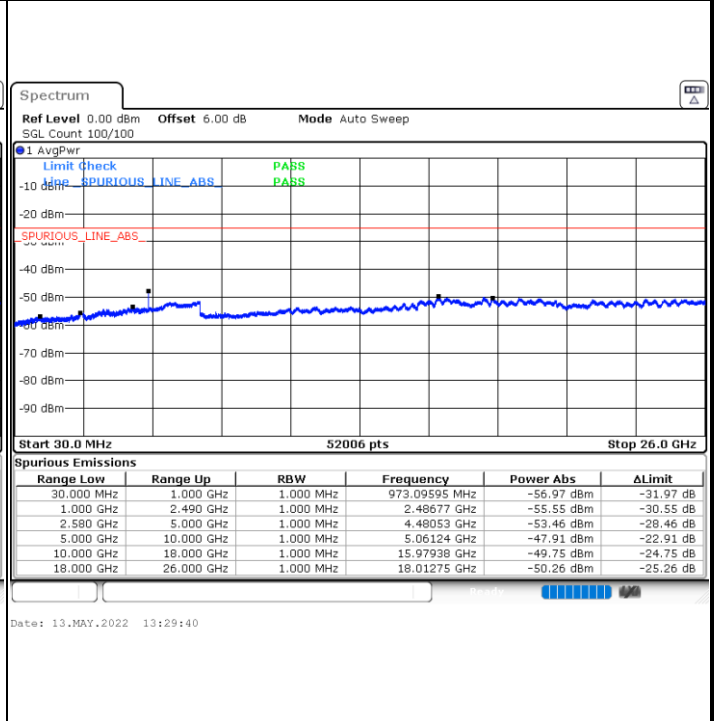


**LTE Band 7 / 10MHz**

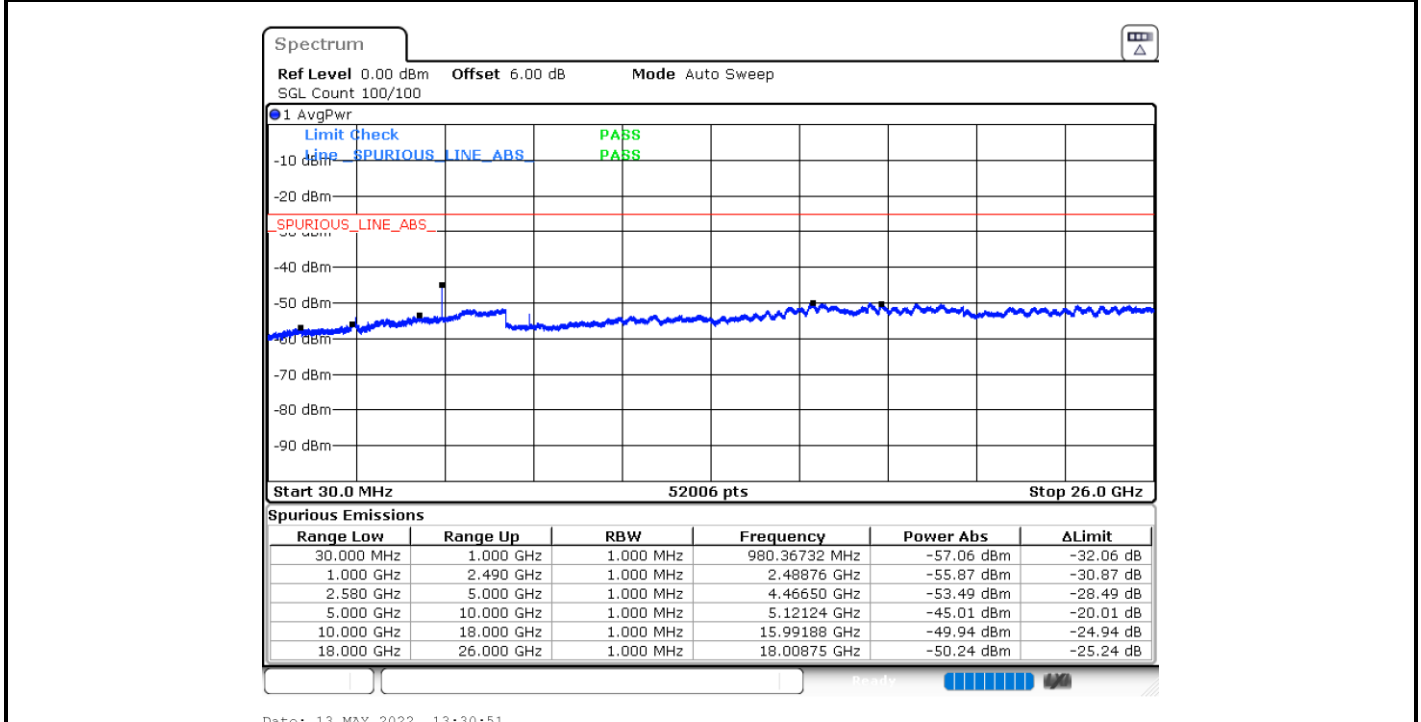
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

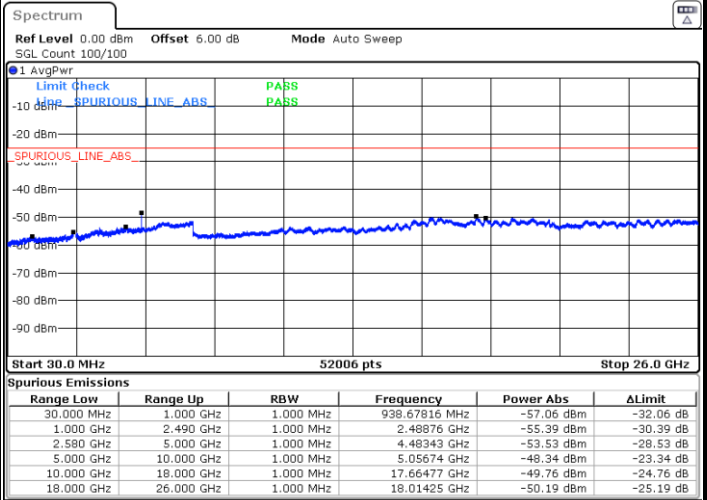
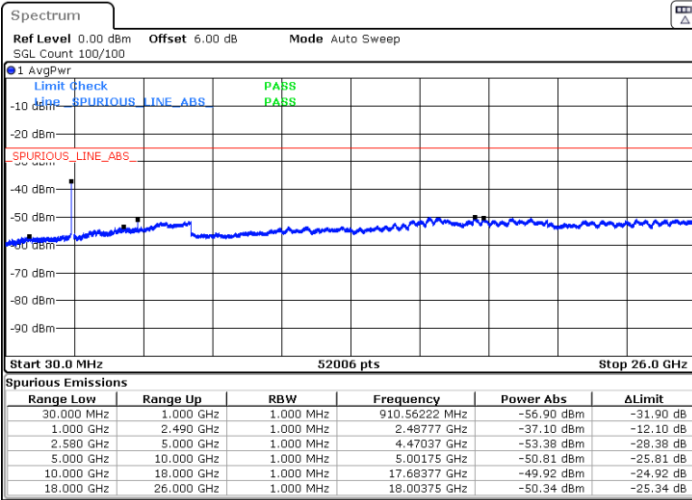




LTE Band 7 / 15MHz

Lowest Channel / QPSK

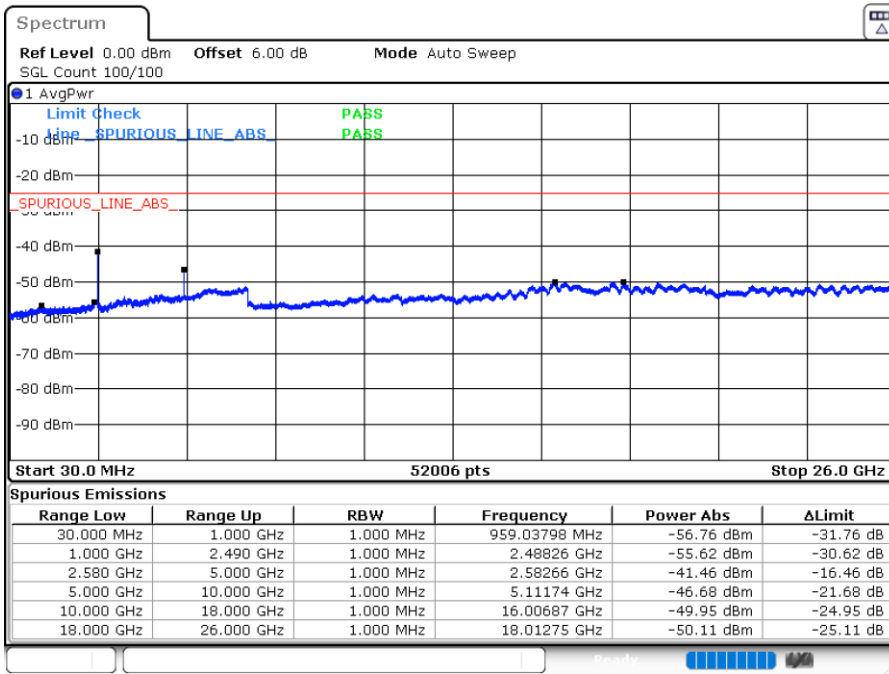
Middle Channel / QPSK



Date: 13.MAY.2022 13:39:19

Date: 13.MAY.2022 13:47:48

Highest Channel / QPSK

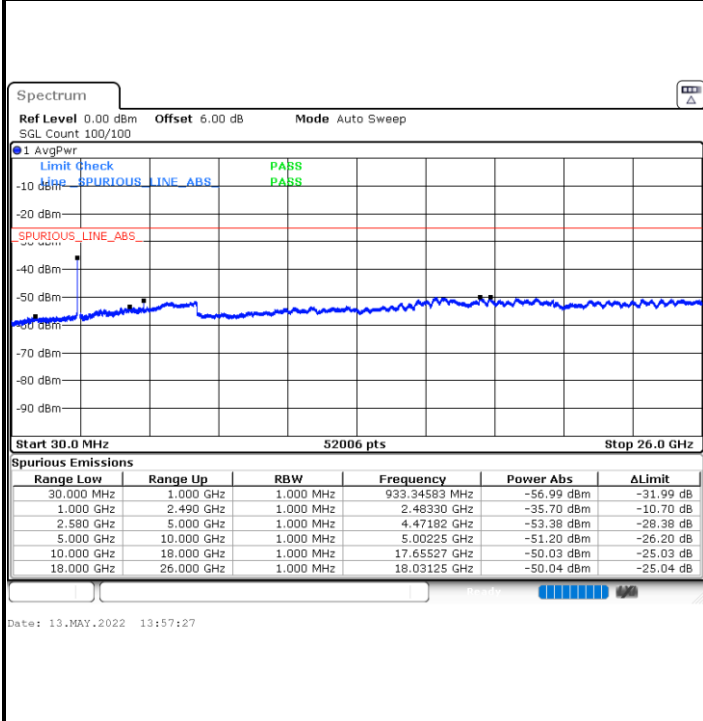


Date: 13.MAY.2022 13:49:00

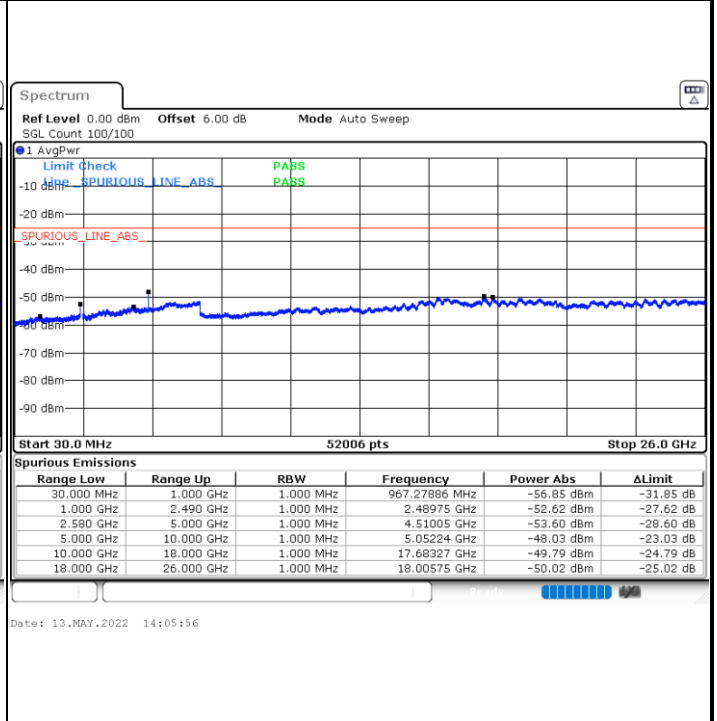


**LTE Band 7 / 20MHz**

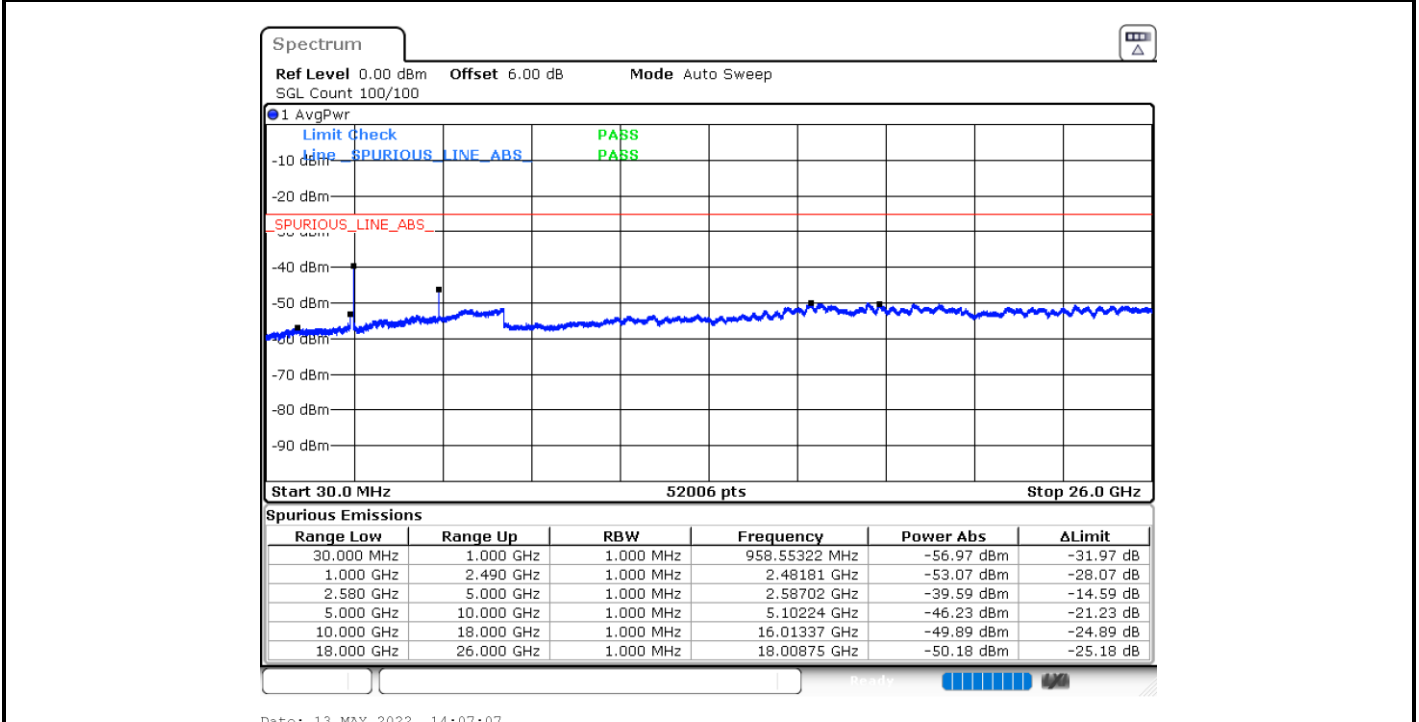
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental e missions 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 5 / 10MHz / 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	1664	-60.00	-13	-47.00	-66.97	1.58	10.70	H
	2496	-54.71	-13	-41.71	-62.96	2.102	12.50	H
	3328	-59.91	-13	-46.91	-68.80	2.856	13.90	H
	1664	-62.50	-13	-49.50	-69.47	1.58	10.70	V
	2496	-56.50	-13	-43.50	-64.75	2.10	12.50	V
	3328	-59.78	-13	-46.78	-68.67	2.86	13.90	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	5050	-45.10	-25	-20.10	-55.31	3.03	13.24	H
	7584	-49.69	-25	-24.69	-59.14	3.56	13.01	H
	10104	-53.77	-25	-28.77	-63.29	3.92	13.44	H
	12624	-49.69	-25	-24.69	-59.61	4.44	14.36	H
	5050	-41.19	-25	-16.19	-51.40	3.03	13.24	V
	7584	-48.03	-25	-23.03	-57.48	3.56	13.01	V
	10104	-50.40	-25	-25.40	-59.92	3.92	13.44	V
	12624	-50.13	-25	-25.13	-60.05	4.44	14.36	V

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