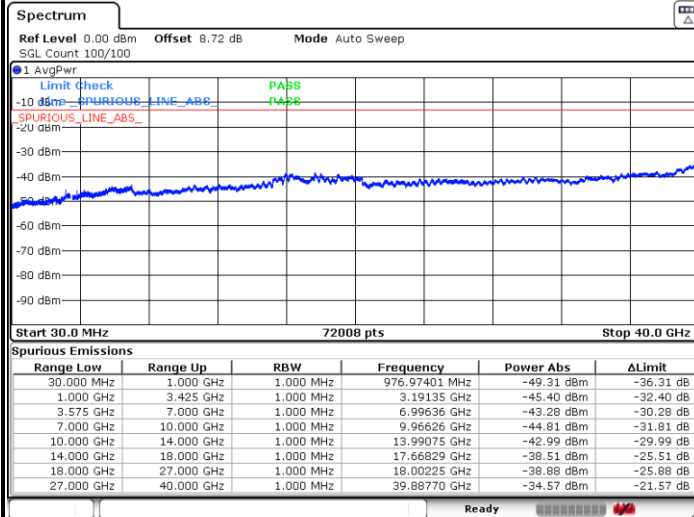




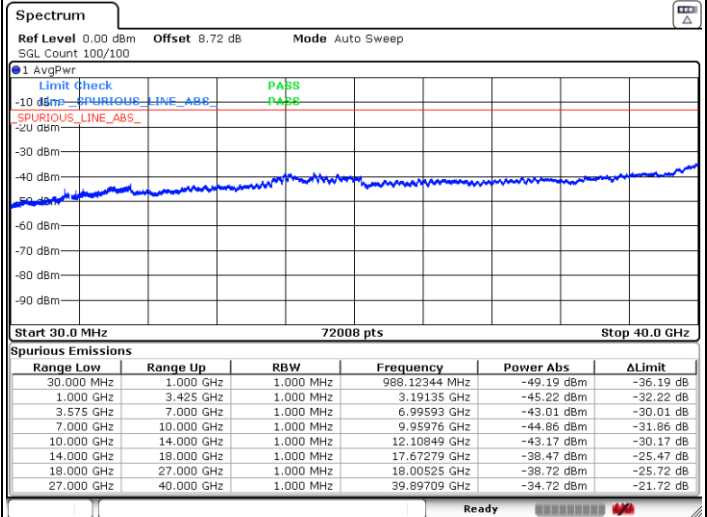
LTE Band 42 / 15MHz

Lowest Channel / QPSK



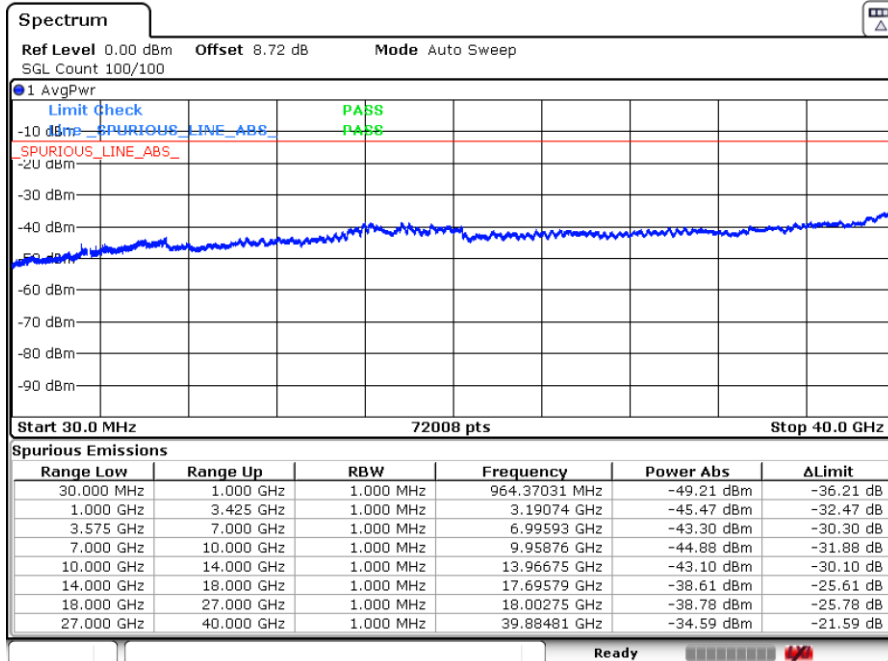
Date: 18.JAN.2022 05:01:43

Middle Channel / QPSK



Date: 18.JAN.2022 05:02:41

Highest Channel / QPSK

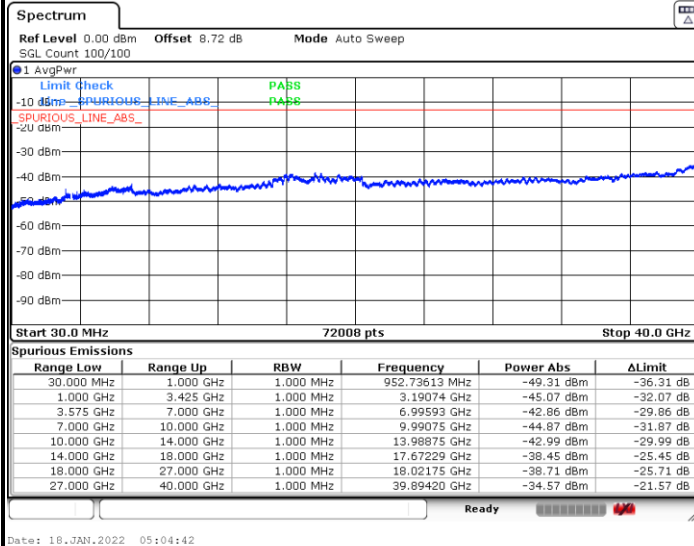


Date: 18.JAN.2022 05:03:42

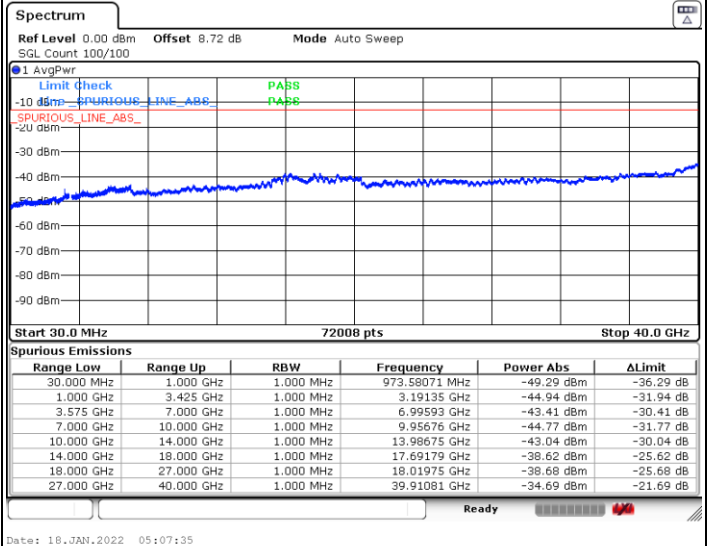


LTE Band 42 / 20MHz

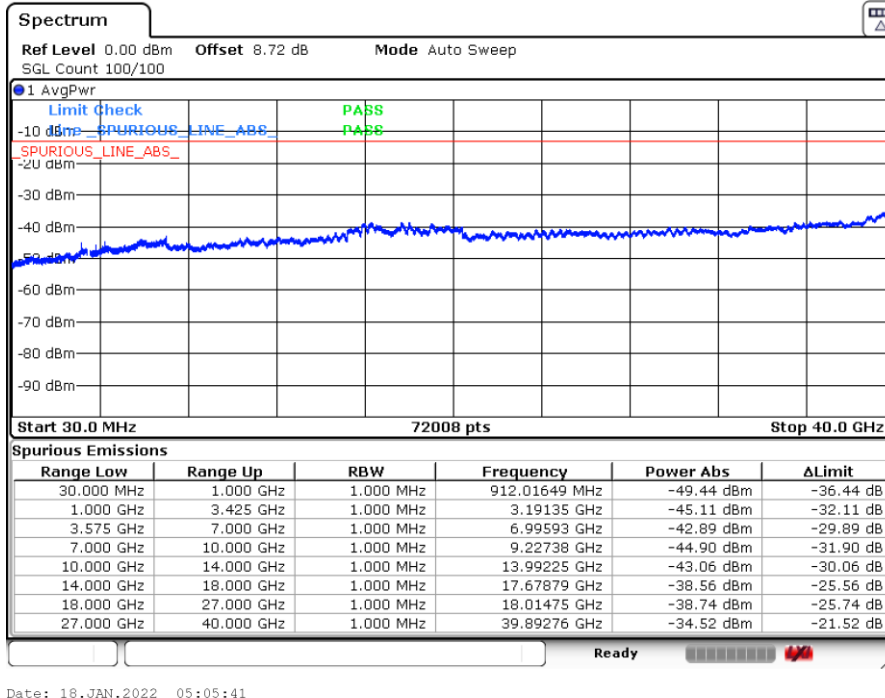
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 12 V. ; Battery End Point (BEP) =10.8 V. ; Maximum Voltage =13.2 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%

For Sample1:

LTE Band 42 / 20MHz / 16QAM / RB Size 1 Offset 0								
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	6984	-57.44	-13	-44.44	-67.65	3.03	13.24	H
	10476	-58.37	-13	-45.37	-67.82	3.56	13.01	H
	13962	-59.36	-13	-46.36	-68.88	3.92	13.44	H
	6984	-57.76	-13	-44.76	-67.97	3.03	13.24	V
	10476	-58.85	-13	-45.85	-68.30	3.56	13.01	V
	13962	-60.35	-13	-47.35	-69.87	3.92	13.44	V

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

For Sample2:

LTE Band 42 / 20MHz / 16QAM / RB Size 1 Offset 0								
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	6984	-56.80	-13	-43.80	-67.01	3.03	13.24	H
	10476	-58.91	-13	-45.91	-68.36	3.56	13.01	H
	13962	-60.61	-13	-47.61	-70.13	3.92	13.44	H
	6984	-58.92	-13	-45.92	-69.13	3.03	13.24	V
	10476	-59.44	-13	-46.44	-68.89	3.56	13.01	V
	13962	-60.44	-13	-47.44	-69.96	3.92	13.44	V

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