

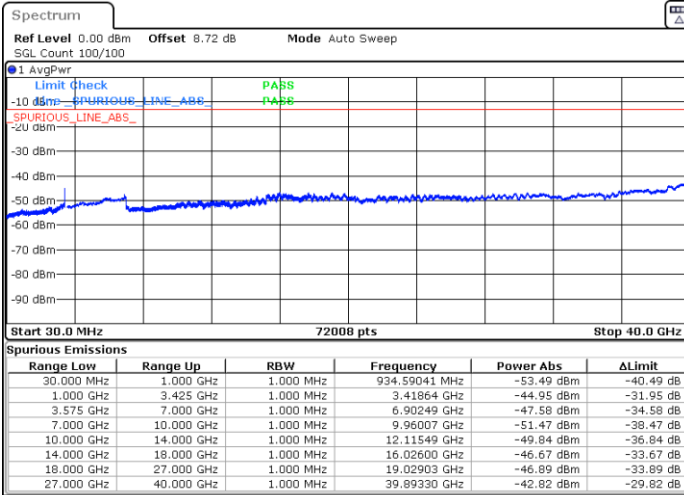


LTE Band 42/ 10MHz

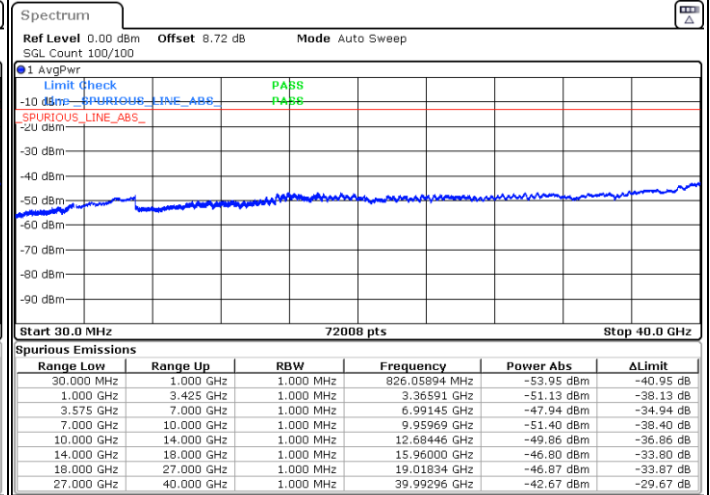
QPSK / 1RB0

Lowest Channel

Middle Channel

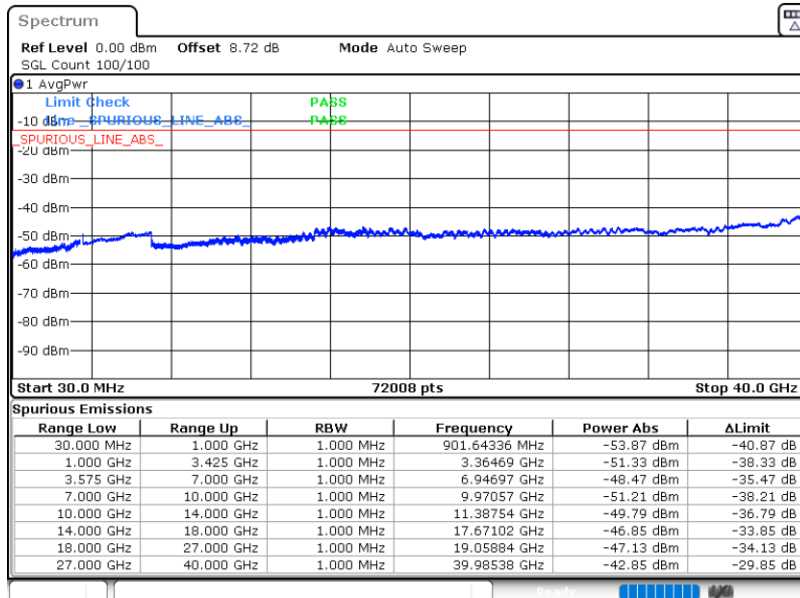


Date: 12.JUL.2024 19:08:53



Date: 12.JUL.2024 19:17:54

Highest Channel



Date: 12.JUL.2024 19:19:16

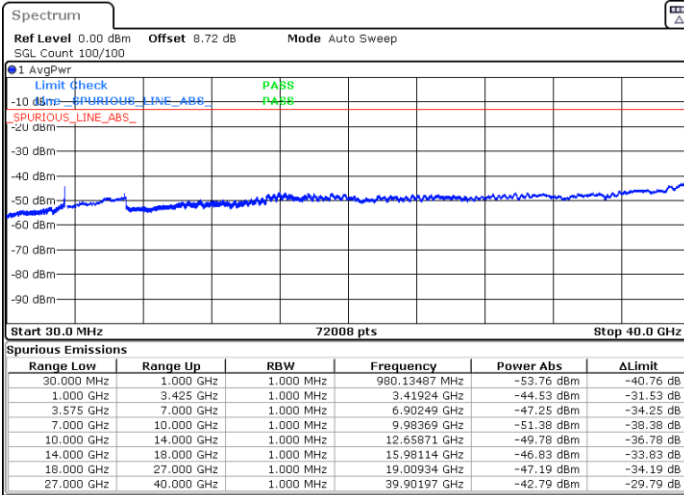


LTE Band 42/ 15MHz

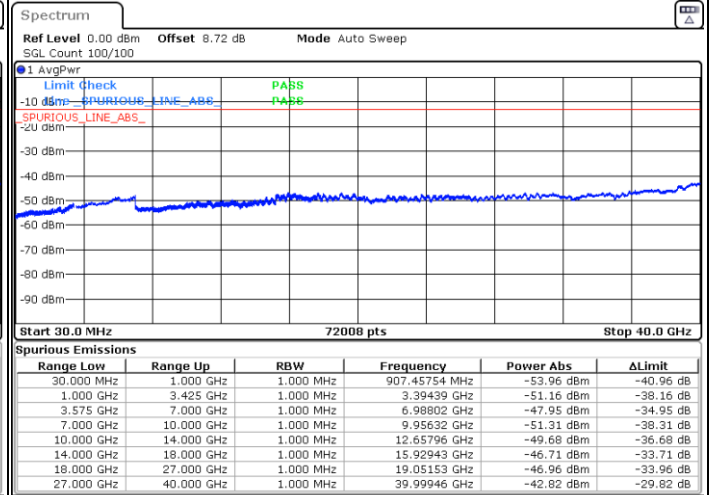
QPSK / 1RB0

Lowest Channel

Middle Channel

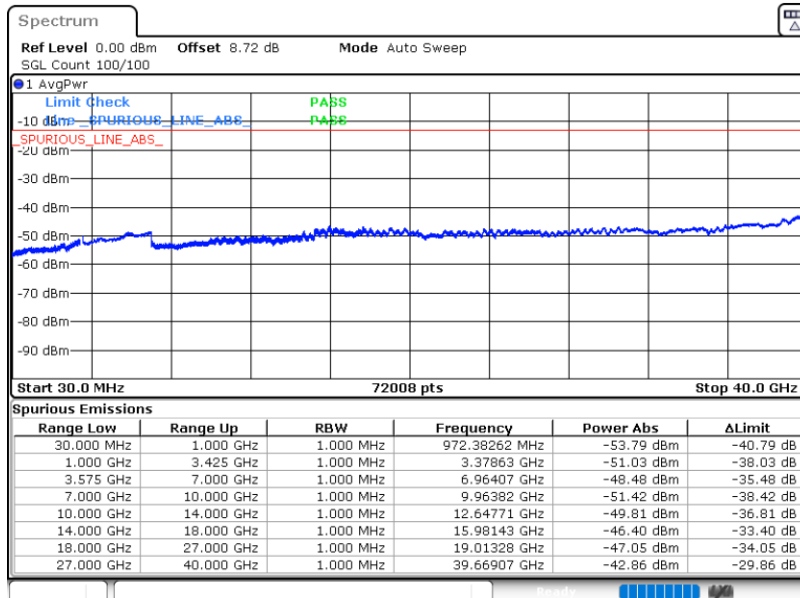


Date: 12.JUL.2024 19:27:09



Date: 12.JUL.2024 19:36:13

Highest Channel



Date: 12.JUL.2024 19:37:35

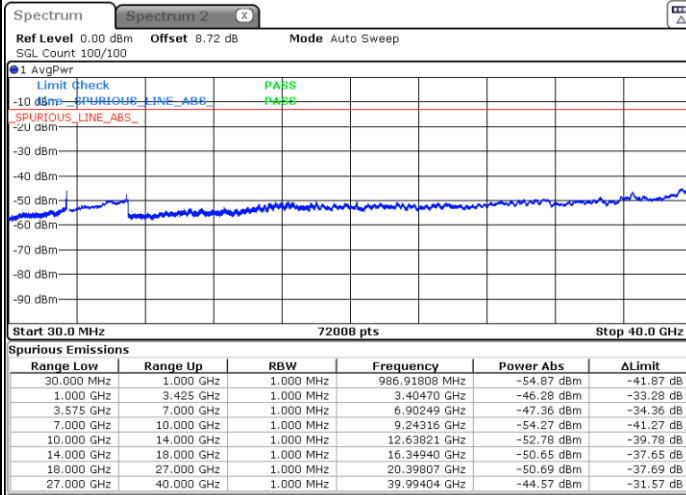


LTE Band 42/ 20MHz

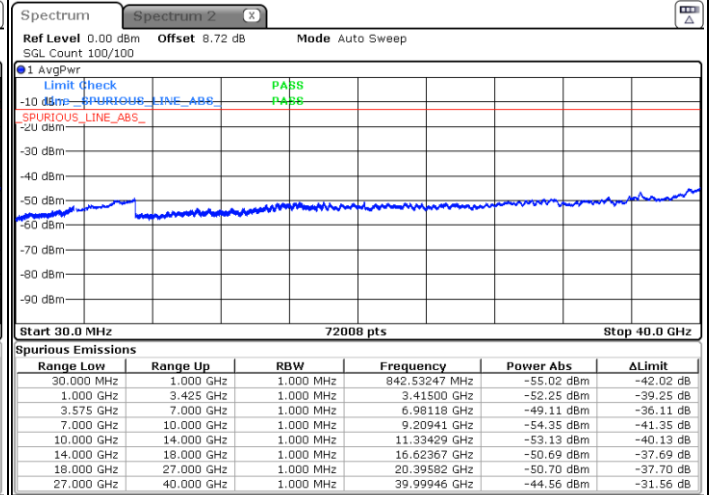
QPSK / 1RB0

Lowest Channel

Middle Channel

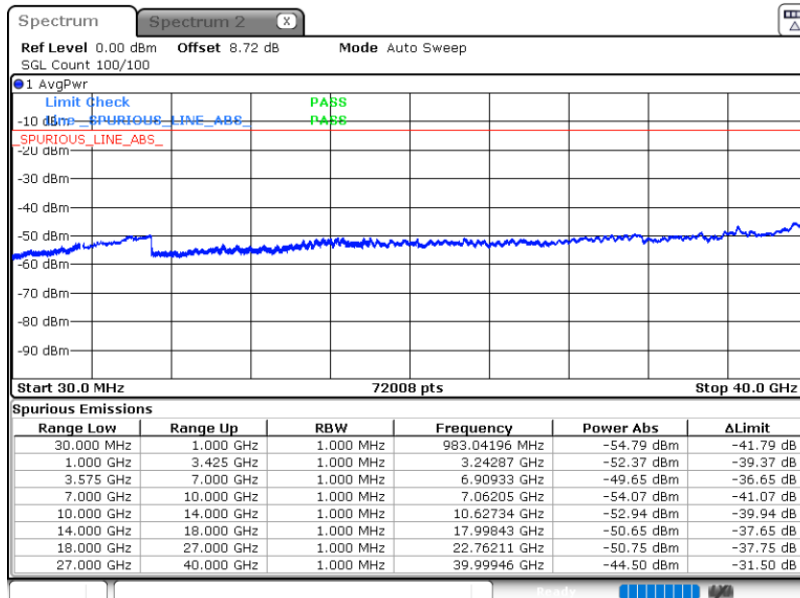


Date: 12.JUL.2024 20:05:56



Date: 12.JUL.2024 20:07:16

Highest Channel



Date: 12.JUL.2024 20:08:37

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	0.0013	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.85 ; Battery End Point (BEP) =3.5 ; Maximum Voltage =4.41
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 42 / 20MHz / QPSK / Ant. 4								
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)
Lowest	6900	-59.26	-13	-46.26	-69.47	3.03	13.24	H
	10356	-53.03	-13	-40.03	-62.48	3.56	13.01	H
	13800	-46.68	-13	-33.68	-56.20	3.92	13.44	H
	17256	-50.90	-13	-37.90	-60.04	4.51	13.65	H
	6900	-61.72	-13	-48.72	-71.93	3.03	13.24	V
	10356	-48.76	-13	-35.76	-58.21	3.56	13.01	V
	13800	-49.92	-13	-36.92	-59.44	3.92	13.44	V
	17256	-55.93	-13	-42.93	-65.07	4.51	13.65	V
Middle	6984	-57.20	-13	-44.20	-67.41	3.03	13.24	H
	10476	-50.52	-13	-37.52	-59.97	3.56	13.01	H
	13968	-46.35	-13	-33.35	-55.87	3.92	13.44	H
	17460	-51.36	-13	-38.36	-60.50	4.51	13.65	H
	6984	-62.36	-13	-49.36	-72.57	3.03	13.24	V
	10476	-50.29	-13	-37.29	-59.74	3.56	13.01	V
	13968	-51.96	-13	-38.96	-61.48	3.92	13.44	V
	17460	-56.32	-13	-43.32	-65.46	4.51	13.65	V
Highest	7068	-57.52	-13	-44.52	-67.73	3.03	13.24	H
	10596	-50.13	-13	-37.13	-59.58	3.56	13.01	H
	14124	-45.92	-13	-32.92	-55.44	3.92	13.44	H
	17652	-50.99	-13	-37.99	-60.13	4.51	13.65	H
	7068	-61.23	-13	-48.23	-71.44	3.03	13.24	V
	10596	-51.68	-13	-38.68	-61.13	3.56	13.01	V
	14124	-54.92	-13	-41.92	-64.44	3.92	13.44	V
	17652	-55.81	-13	-42.81	-64.95	4.51	13.65	V

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