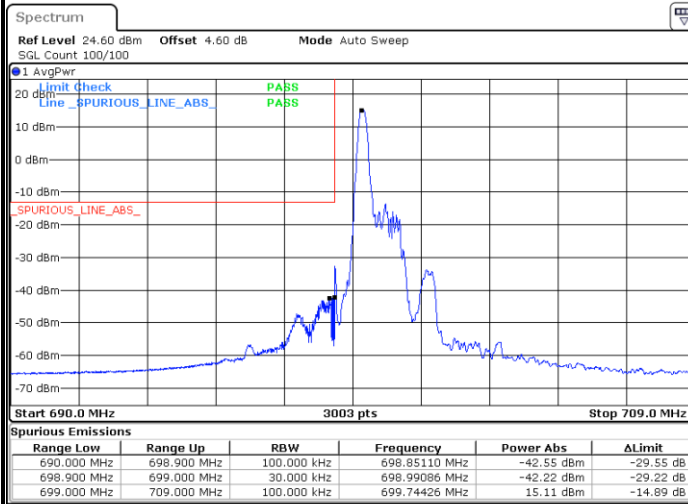




LTE Band 12 / 10MHz / 16QAM

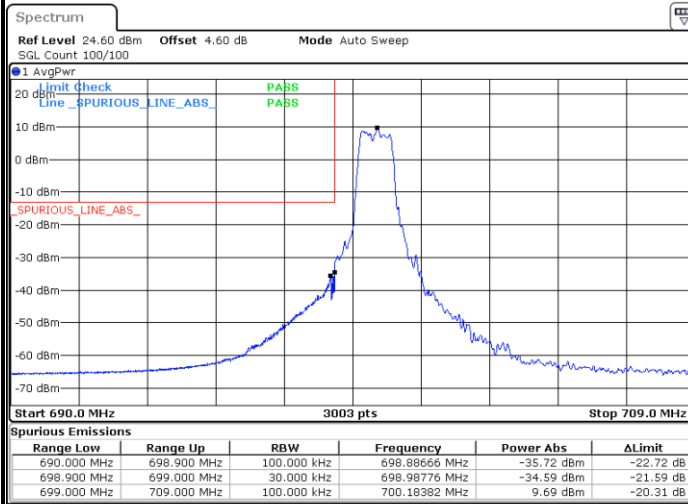
Lowest Band Edge / 1 RB



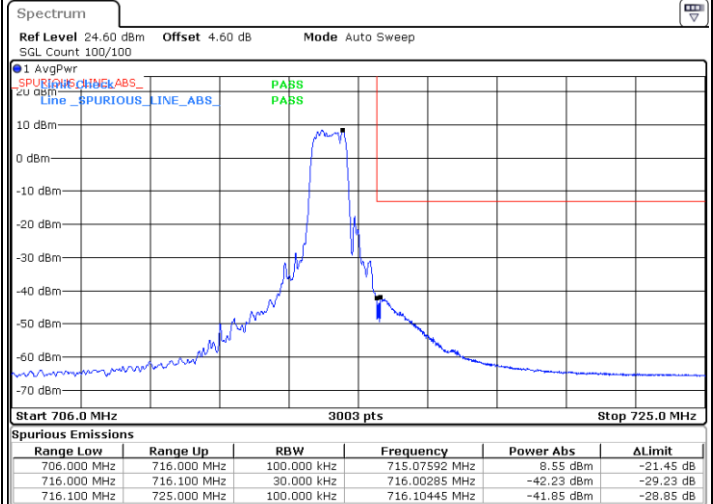
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

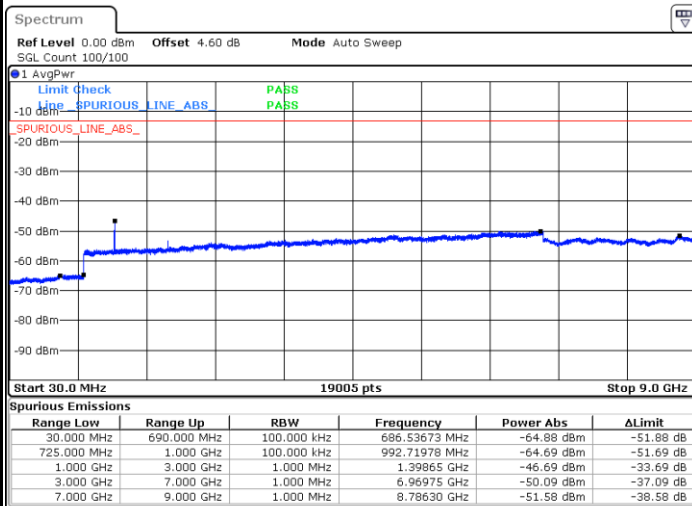




Conducted Spurious Emission

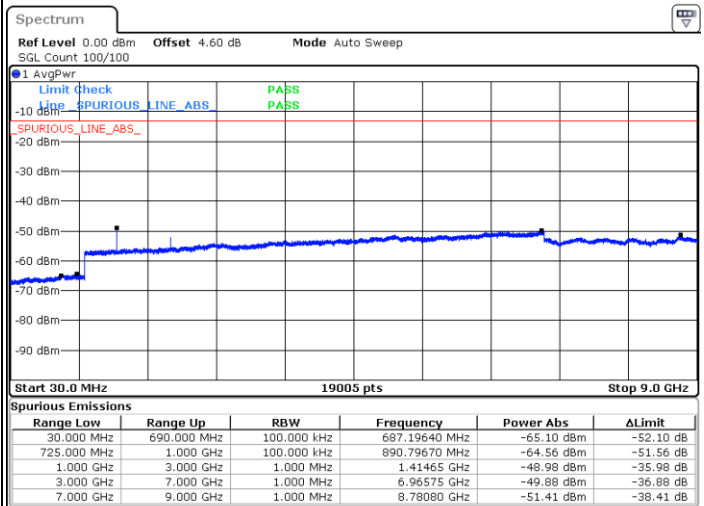
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



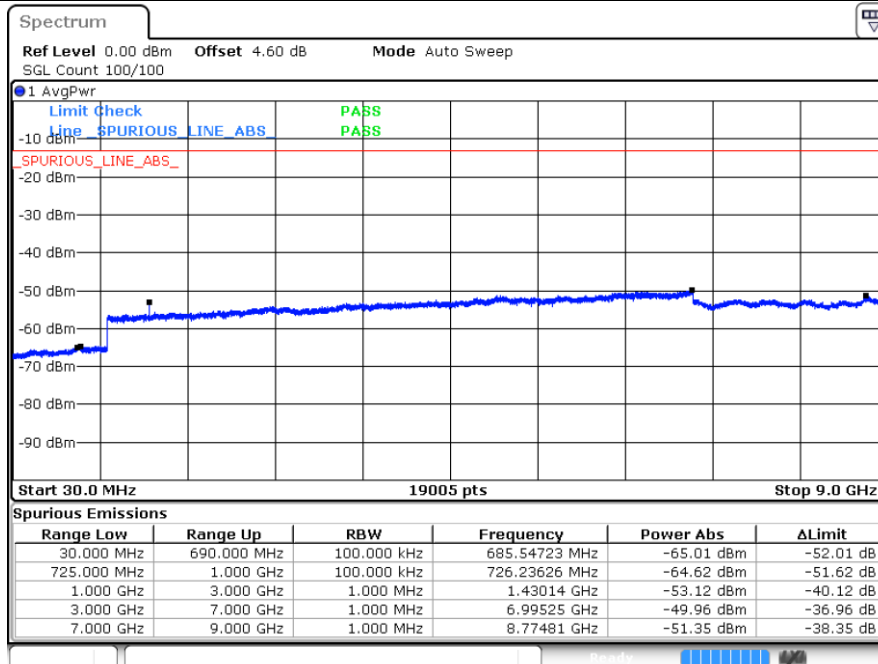
Date: 18.OCT.2022 00:40:03

Middle Channel / QPSK



Date: 18.OCT.2022 00:47:17

Highest Channel / QPSK

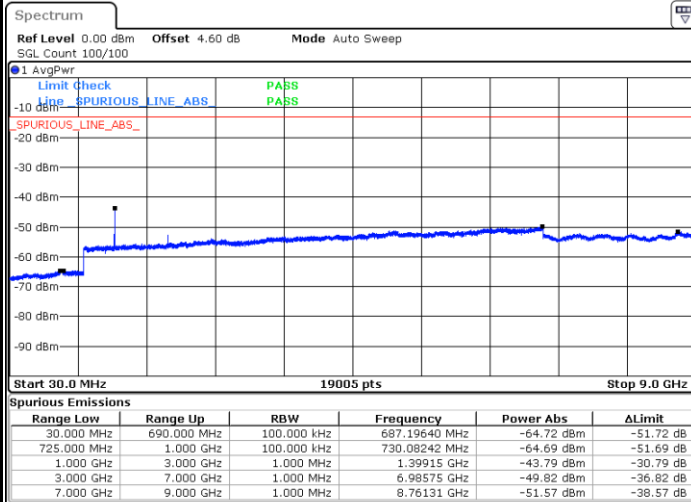


Date: 18.OCT.2022 00:48:48



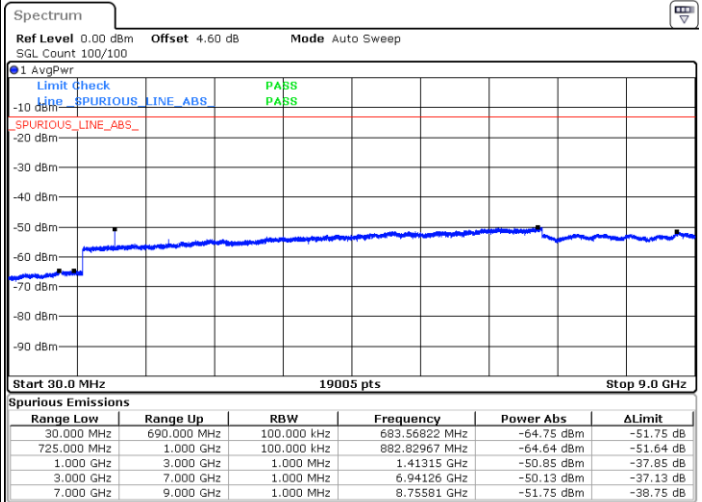
LTE Band 12 / 3MHz

Lowest Channel / QPSK



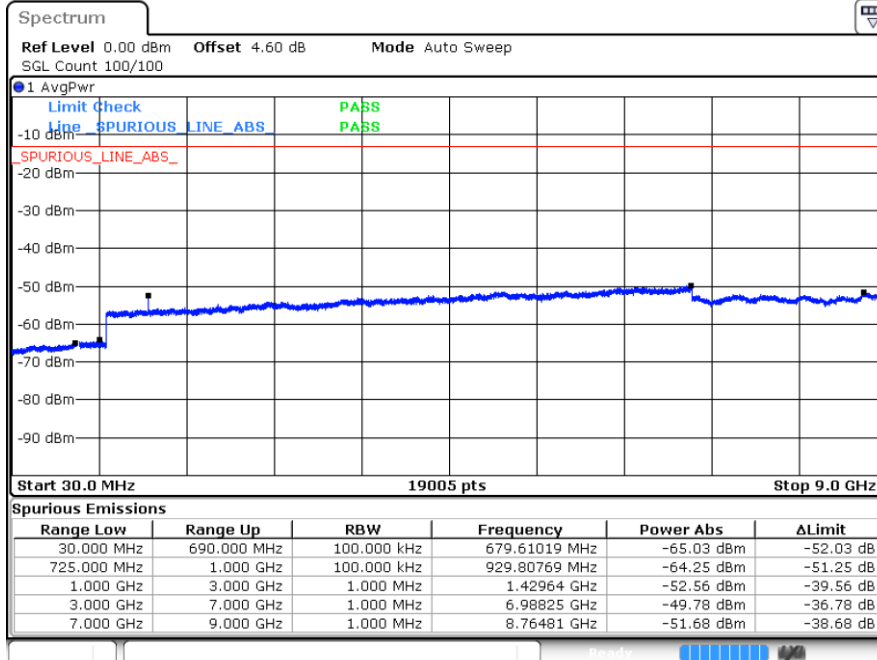
Date: 18.OCT.2022 00:57:35

Middle Channel / QPSK



Date: 18.OCT.2022 02:01:24

Highest Channel / QPSK

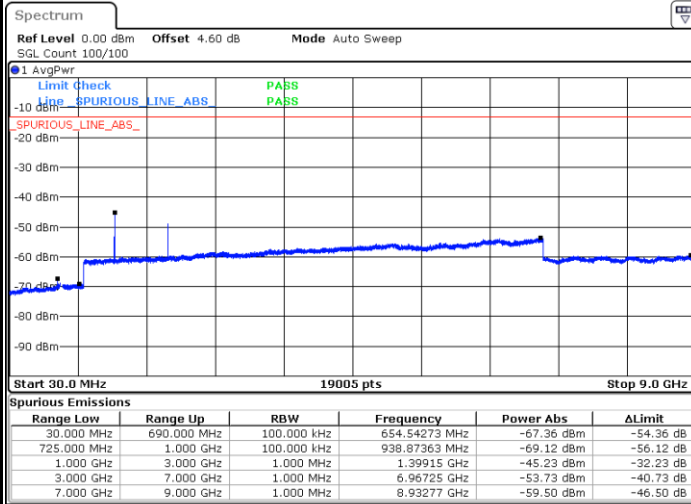


Date: 18.OCT.2022 02:03:09



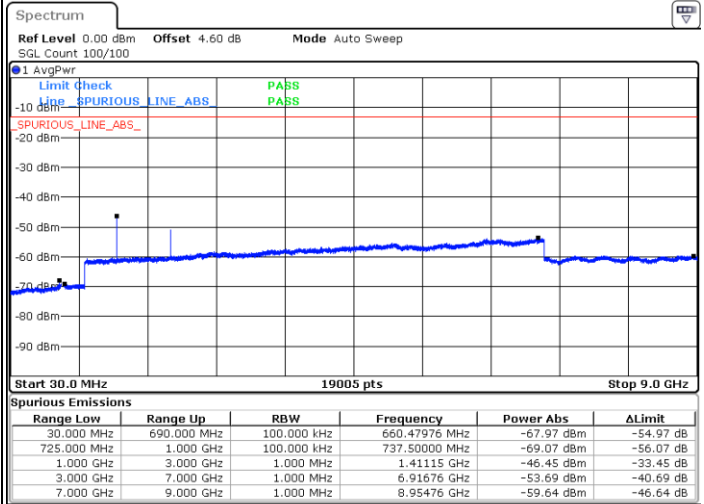
LTE Band 12 / 5MHz

Lowest Channel / QPSK



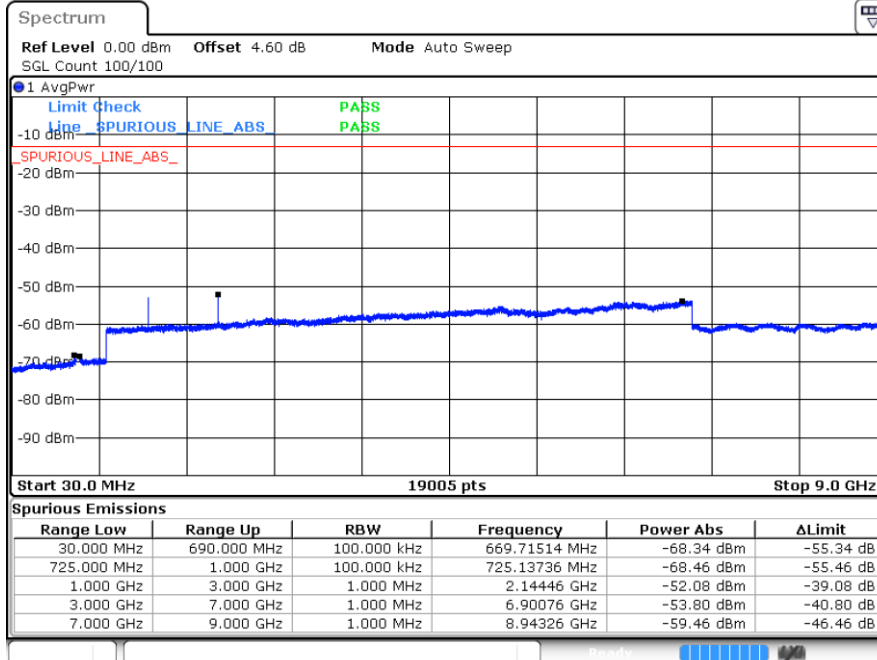
Date: 18.OCT.2022 02:13:58

Middle Channel / QPSK



Date: 18.OCT.2022 02:20:59

Highest Channel / QPSK

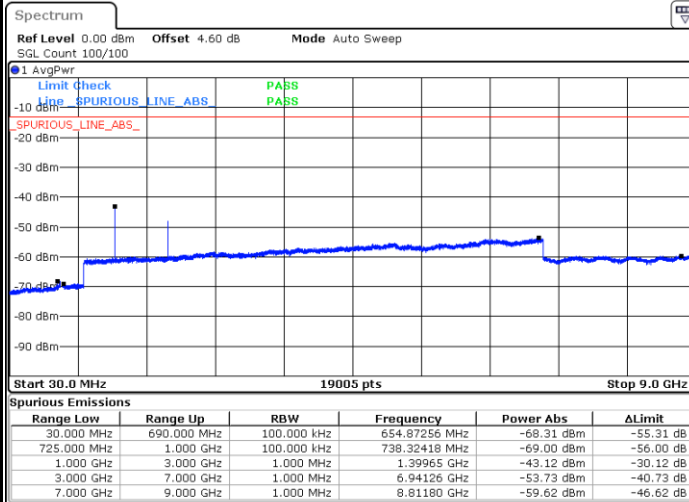


Date: 18.OCT.2022 02:21:49



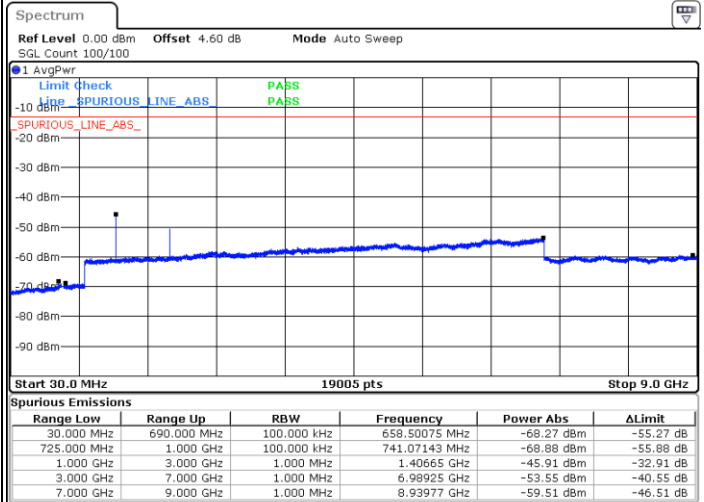
LTE Band 12 / 10MHz

Lowest Channel / QPSK



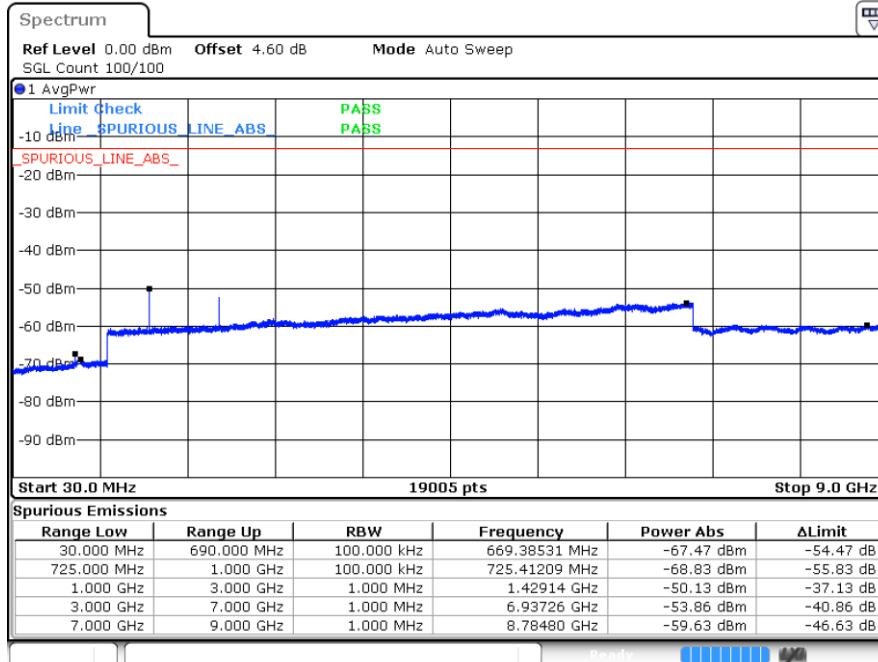
Date: 18.OCT.2022 02:52:38

Middle Channel / QPSK



Date: 18.OCT.2022 02:38:30

Highest Channel / QPSK



Date: 18.OCT.2022 02:40:05

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0036	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.80 V. ; Battery End Point (BEP) =3.0 V. ; Maximum Voltage =4.35 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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

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	3744	-47.09	-13	-34.09	-59.35	2.64	14.90	H
	5613	-55.31	-13	-42.31	-67.17	2.94	14.80	H
	7488	-51.97	-13	-38.97	-61.74	3.39	13.16	H
	3744	-45.69	-13	-32.69	-57.95	2.64	14.90	V
	5613	-55.77	-13	-42.77	-67.63	2.94	14.80	V
	7488	-52.00	-13	-39.00	-61.77	3.39	13.16	V

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

LTE Band 4 / 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	3450	-50.37	-13	-37.37	-61.11	2.604	13.34	H
	5175	-53.48	-13	-40.48	-63.99	3.011	13.52	H
	6900	-53.50	-13	-40.50	-63.70	3.271	13.47	H
	3450	-52.64	-13	-39.64	-63.38	2.604	13.34	V
	5175	-53.46	-13	-40.46	-63.97	3.011	13.52	V
	6900	-53.78	-13	-40.78	-63.98	3.271	13.47	V

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

LTE Band 12 / 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	1408	-65.36	-13	-52.36	-72.33	1.58	10.70	H
	2112	-60.32	-13	-47.32	-68.57	2.102	12.50	H
	2816	-60.01	-13	-47.01	-68.90	2.856	13.90	H
	1408	-57.85	-13	-44.85	-64.82	1.58	10.70	V
	2112	-56.76	-13	-43.76	-65.01	2.10	12.50	V
	2816	-58.39	-13	-45.39	-67.28	2.86	13.90	V

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