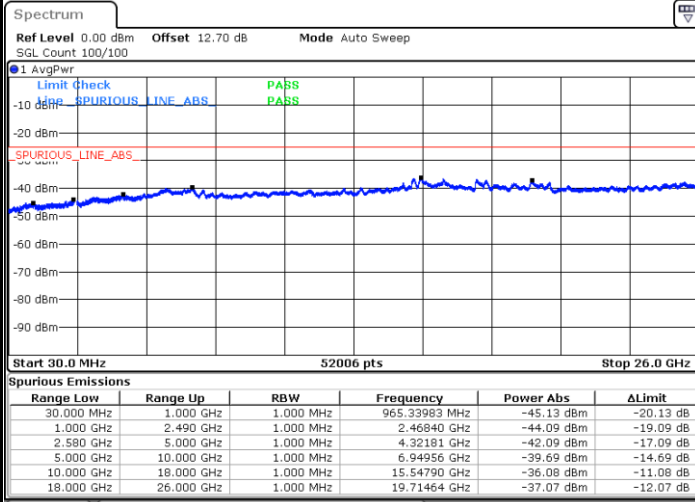




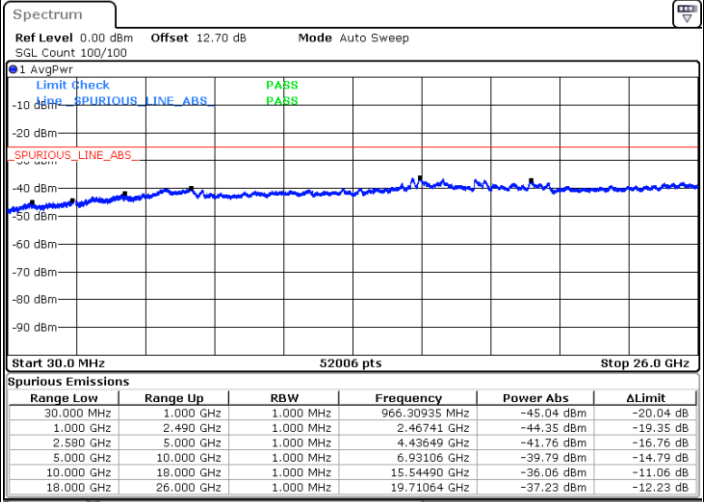
LTE Band 7 / 10MHz

Lowest Channel / QPSK



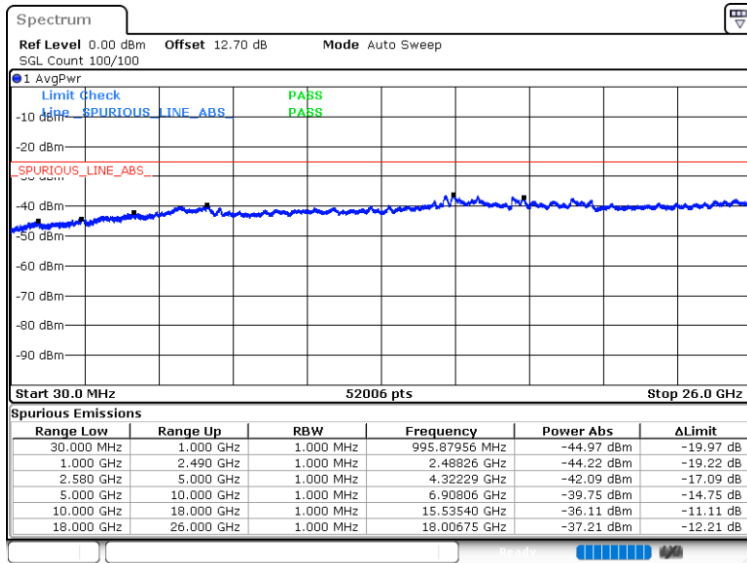
Date: 25.MAR.2023 13:33:17

Middle Channel / QPSK



Date: 25.MAR.2023 13:34:29

Highest Channel / QPSK



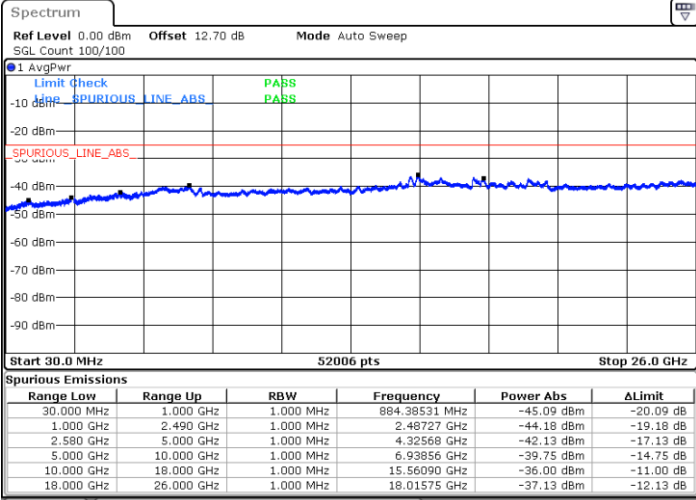
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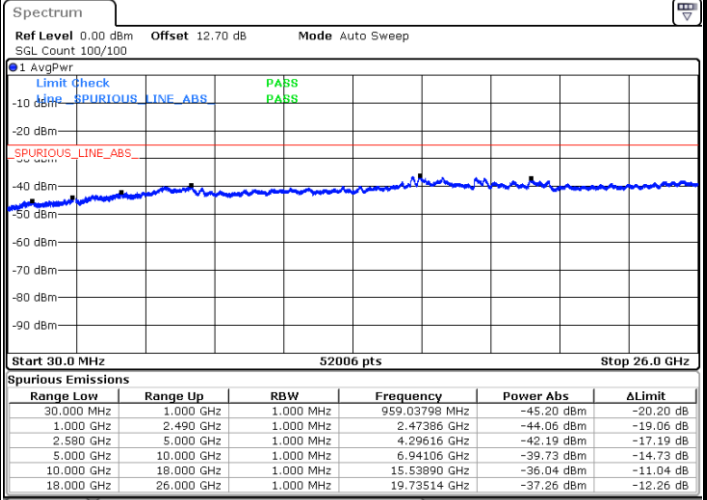
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

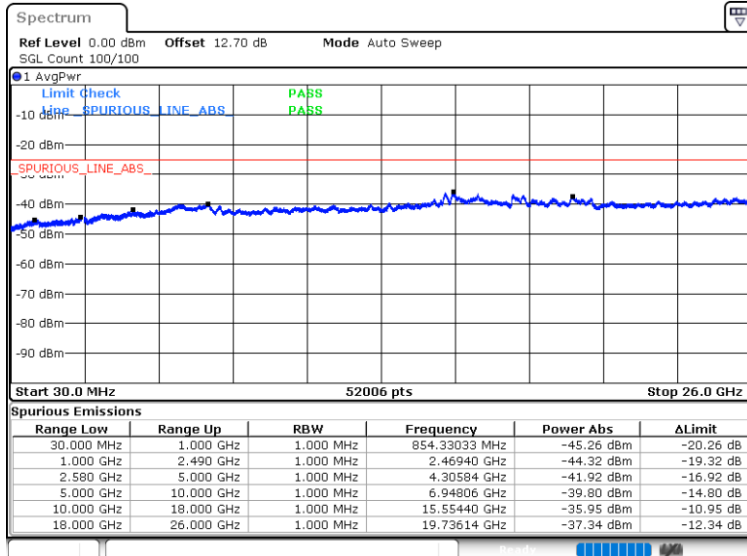


Date: 25.MAR.2023 13:36:55



Date: 25.MAR.2023 13:38:07

Highest Channel / QPSK

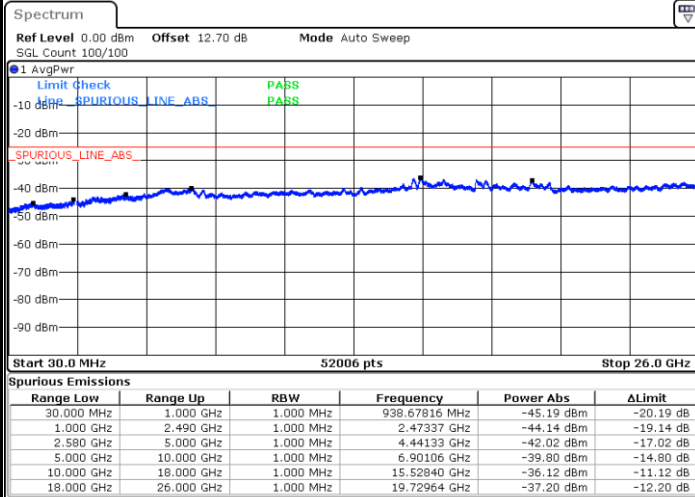


Date: 25.MAR.2023 13:39:19



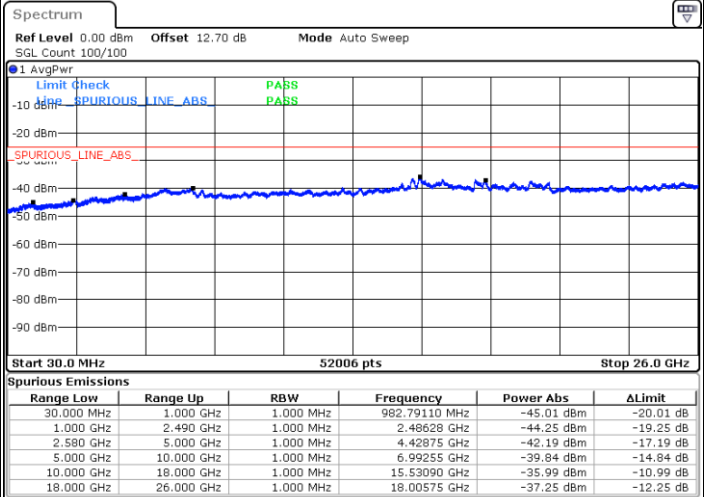
LTE Band 7 / 20MHz

Lowest Channel / QPSK



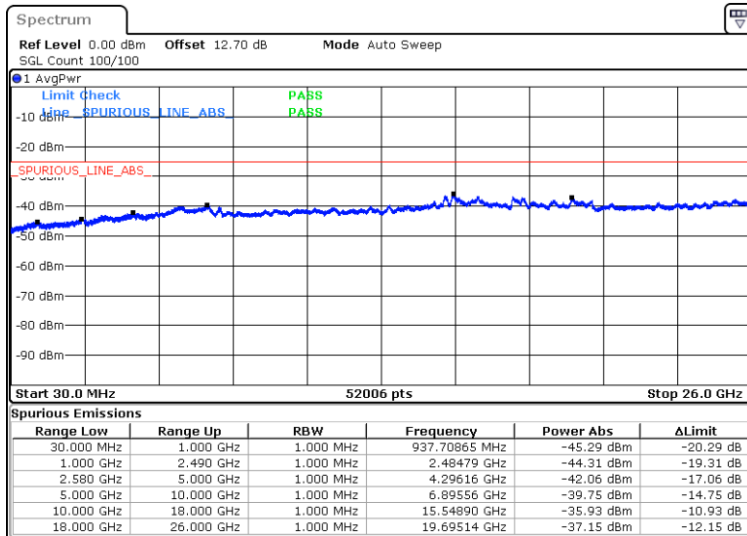
Date: 25.MAR.2023 13:40:33

Middle Channel / QPSK



Date: 25.MAR.2023 13:41:45

Highest Channel / QPSK



Date: 25.MAR.2023 13:42:57



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
35	Normal Voltage	0.0066	PASS
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0047	
20	Maximum Voltage	0.0061	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-60.21	-13	-47.21	-70.72	-66.62	0.81	9.37	H
	2473	-53.15	-13	-40.15	-66.88	-60.28	1.08	10.37	H
	3298	-48.90	-13	-35.90	-65.69	-57.68	1.11	12.04	H
									H
									H
									H
									H
	1649	-60.49	-13	-47.49	-70.92	-66.90	0.81	9.37	V
	2473	-57.31	-13	-44.31	-71.08	-64.44	1.08	10.37	V
	3298	-54.09	-13	-41.09	-71.18	-62.87	1.11	12.04	V
									V
									V
									V
									V
Middle	1664	-60.42	-13	-47.42	-70.96	-66.88	0.81	9.42	H
	2496	-57.43	-13	-44.43	-71.16	-64.65	1.11	10.48	H
	3328	-54.07	-13	-41.07	-70.89	-63.02	1.10	12.20	H
									H
									H
									H
									H
	1664	-60.49	-13	-47.49	-70.97	-66.95	0.81	9.42	V
	2496	-56.90	-13	-43.90	-70.68	-64.12	1.11	10.48	V
	3328	-54.19	-13	-41.19	-71.32	-63.14	1.10	12.20	V
									V
									V
									V
									V



Highest	1679	-60.51	-13	-47.51	-71.07	-67.02	0.81	9.48	H
	2518	-44.87	-13	-31.87	-58.76	-52.21	1.10	10.59	H
	3358	-48.52	-13	-35.52	-65.38	-57.64	1.10	12.37	H
									H
									H
									H
									H
	1679	-60.02	-13	-47.02	-70.56	-66.53	0.81	9.48	V
	2518	-46.60	-13	-33.60	-60.56	-53.94	1.10	10.59	V
	3358	-53.62	-13	-40.62	-70.8	-62.74	1.10	12.37	V
									V
									V
									V
									V

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



LTE Band 7

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-49.05	-25	-24.05	-70.77	-60.30	1.35	12.60	H
	7503	-41.16	-25	-16.16	-70.41	-50.45	1.92	11.21	H
	10004	-36.97	-25	-11.97	-71.37	-45.78	2.29	11.10	H
									H
									H
									H
									H
	5002	-49.01	-25	-24.01	-71.21	-60.26	1.35	12.60	V
	7503	-42.86	-25	-17.86	-72.24	-52.15	1.92	11.21	V
	10004	-38.70	-25	-13.70	-71.74	-47.51	2.29	11.10	V
									V
									V
									V
									V
Middle	5052	-49.66	-25	-24.66	-71.51	-60.95	1.33	12.63	H
	7578	-42.97	-25	-17.97	-72.21	-52.59	1.90	11.51	H
	10104	-37.29	-25	-12.29	-71.81	-46.05	2.28	11.04	H
									H
									H
									H
									H
	5052	-49.03	-25	-24.03	-71.49	-60.32	1.33	12.63	V
	7578	-41.45	-25	-16.45	-70.85	-51.07	1.90	11.51	V
	10104	-38.34	-25	-13.34	-71.66	-47.10	2.28	11.04	V
									V
									V
									V
									V



Highest	5102	-49.11	-25	-24.11	-71.09	-60.45	1.31	12.65	H
	7653	-39.84	-25	-14.84	-69.16	-49.58	1.89	11.63	H
	10204	-37.07	-25	-12.07	-71.71	-45.77	2.27	10.98	H
									H
									H
									H
									H
	5102	-48.81	-25	-23.81	-71.53	-60.15	1.31	12.65	V
	7653	-42.65	-25	-17.65	-72.18	-52.39	1.89	11.63	V
	10204	-38.06	-25	-13.06	-71.66	-46.76	2.27	10.98	V
									V
									V
									V
									V

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

————THE END————