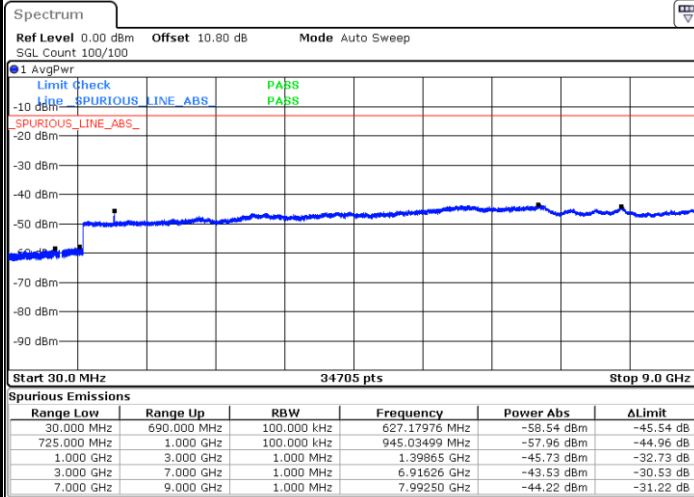




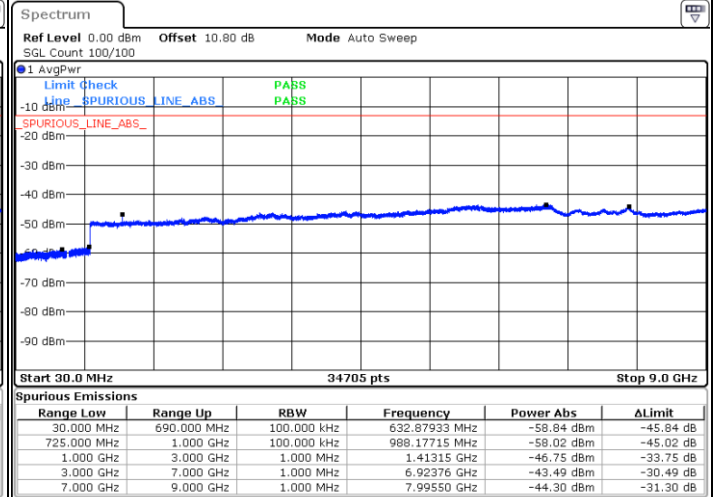
LTE Band 12 / 3MHz

Lowest Channel / QPSK



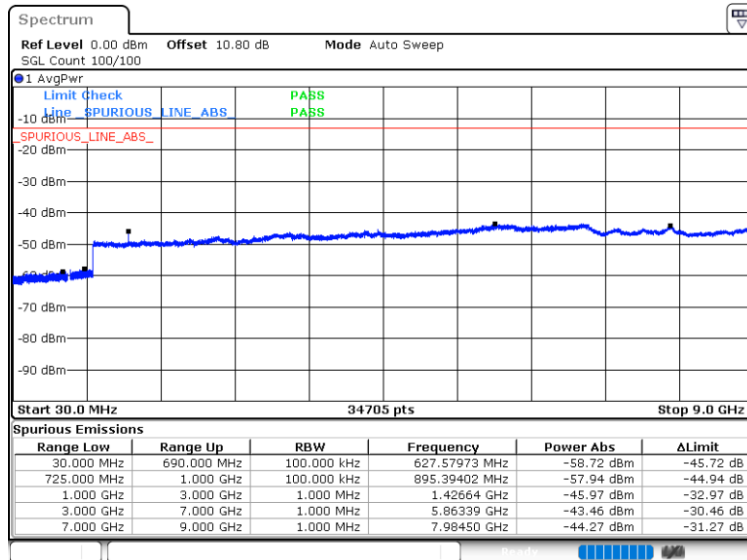
Date: 7.APR.2021 00:30:45

Middle Channel / QPSK



Date: 7.APR.2021 00:33:06

Highest Channel / QPSK

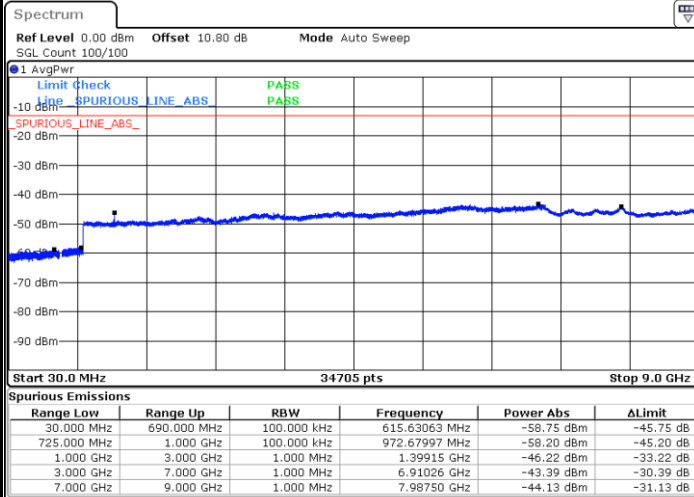


Date: 7.APR.2021 00:36:53



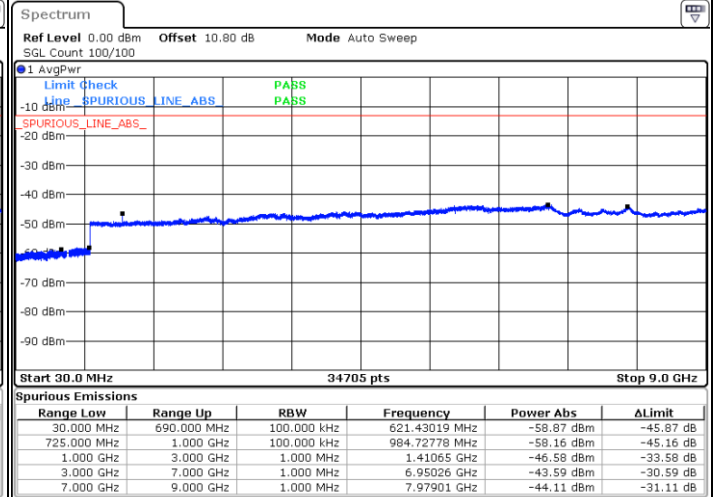
LTE Band 12 / 5MHz

Lowest Channel / QPSK



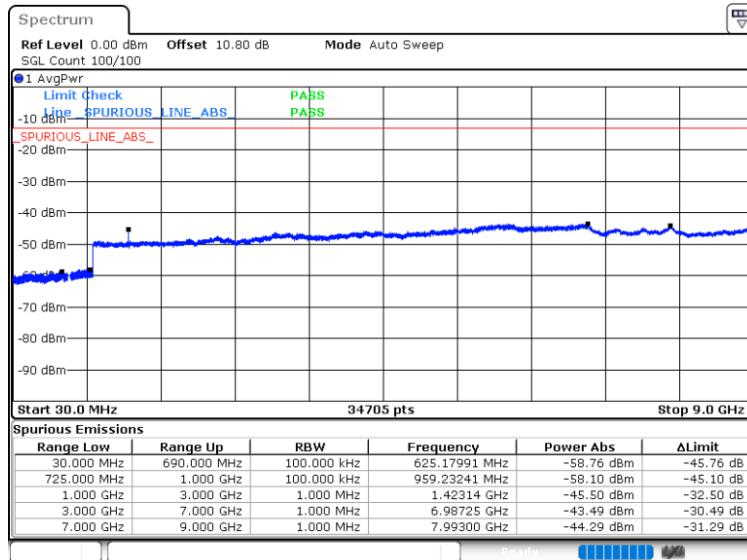
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Middle Channel / QPSK



Date: 7.APR.2021 00:50:02

Highest Channel / QPSK

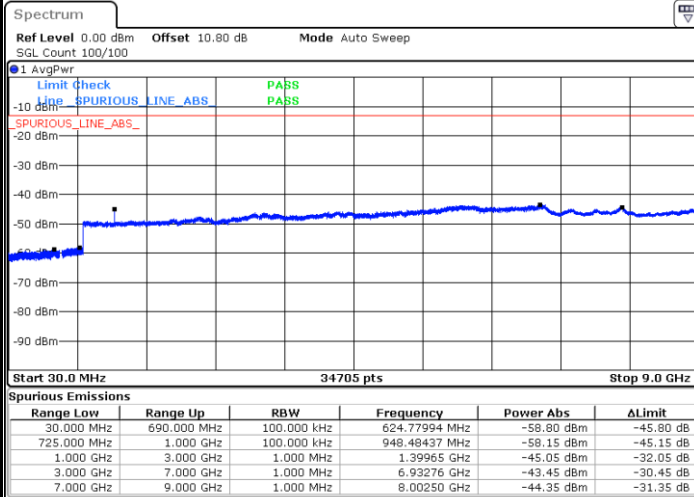


Date: 7.APR.2021 00:53:49



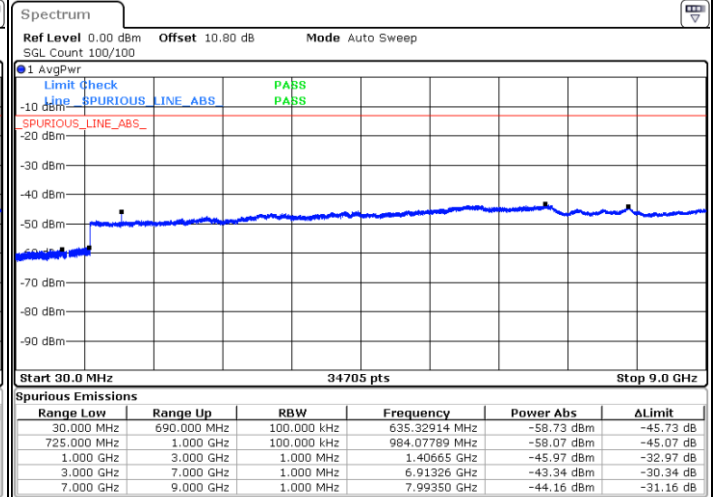
LTE Band 12 / 10MHz

Lowest Channel / QPSK



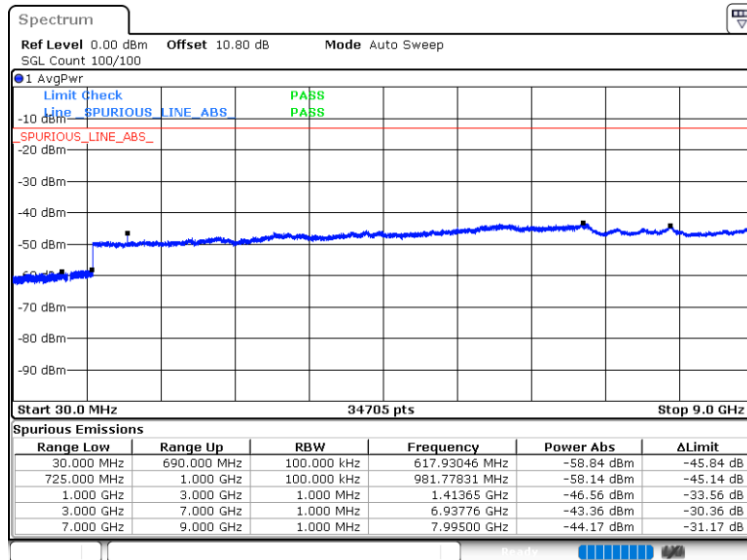
Date: 7.APR.2021 00:57:29

Middle Channel / QPSK



Date: 7.APR.2021 00:59:50

Highest Channel / QPSK



Date: 7.APR.2021 01:03:39

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	0.0076	PASS
40	Normal Voltage	0.0103	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0076	
0	Normal Voltage	0.0103	
-10	Normal Voltage	0.0110	
-20	Normal Voltage	0.0148	
-30	Normal Voltage	0.0129	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0076	
20	Battery End Point	0.0088	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-54.89	-13	-41.89	-72.82	-61.46	1.67	8.24	H
	5553	-50.59	-13	-37.59	-73.75	-57.66	2.66	9.72	H
	7404	-46.29	-13	-33.29	-73.1	-55.44	2.46	11.61	H
									H
									H
									H
	3702	-54.53	-13	-41.53	-72.61	-61.10	1.67	8.24	V
	5553	-51.22	-13	-38.22	-73.91	-58.29	2.66	9.72	V
	7404	-47.10	-13	-34.10	-73.76	-56.25	2.46	11.61	V
									V
									V
									V
Middle	3742	-54.63	-13	-41.63	-72.74	-61.24	1.68	8.29	H
	5613	-50.81	-13	-37.81	-73.89	-57.87	2.69	9.75	H
	7484	-47.16	-13	-34.16	-73.6	-56.49	2.43	11.77	H
									H
									H
									H
	3742	-54.73	-13	-41.73	-73.04	-61.34	1.68	8.29	V
	5613	-51.17	-13	-38.17	-73.91	-58.23	2.69	9.75	V
	7484	-47.21	-13	-34.21	-73.6	-56.54	2.43	11.77	V
									V
									V
									V



Highest	3782	-54.29	-13	-41.29	-72.58	-60.935743	1.69	8.34	H
	5673	-50.59	-13	-37.59	-73.98	-57.634552	2.72	9.77	H
	7564	-47.93	-13	-34.93	-73.97	-57.35979	2.41	11.84	H
									H
									H
									H
	3782	-54.38	-13	-41.38	-72.92	-61.025743	1.69	8.34	V
	5673	-51.34	-13	-38.34	-74.24	-58.384552	2.72	9.77	V
	7564	-47.81	-13	-34.81	-73.8	-57.23979	2.41	11.84	V
									V
									V
									V

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

**LTE Band 12**

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-60.74	-13	-47.74	-70.19	-65.39	0.84	7.64	H
	2096	-59.21	-13	-46.21	-71.75	-66.13	1.06	10.13	H
	2800	-57.82	-13	-44.82	-72.10	-65.51	1.22	11.06	H
									H
									H
									H
	1400	-62.29	-13	-49.29	-70.51	-66.94	0.84	7.64	V
	2096	-60.74	-13	-47.74	-72.18	-67.66	1.06	10.13	V
	2800	-57.93	-13	-44.93	-72.15	-65.62	1.22	11.06	V
									V
									V
									V
Middle	1408	-59.96	-13	-46.96	-69.38	-64.64	0.85	7.68	H
	2112	-59.23	-13	-46.23	-72.05	-66.17	1.06	10.16	H
	2816	-57.80	-13	-44.80	-72.14	-65.50	1.23	11.08	H
									H
									H
									H
	1408	-62.64	-13	-49.64	-70.84	-67.32	0.85	7.68	V
	2112	-59.62	-13	-46.62	-71.32	-66.56	1.06	10.16	V
	2816	-57.94	-13	-44.94	-72.24	-65.64	1.23	11.08	V
									V
									V
									V



Highest	1416	-60.85	-13	-47.85	-70.24	-65.57	0.85	7.71	H
	2120	-58.54	-13	-45.54	-71.49	-65.49	1.07	10.17	H
	2824	-57.89	-13	-44.89	-72.27	-65.60	1.23	11.09	H
									H
									H
									H
	1416	-62.83	-13	-49.83	-71.01	-67.55	0.85	7.71	V
	2120	-60.21	-13	-47.21	-72.03	-67.16	1.07	10.17	V
	2824	-57.59	-13	-44.59	-71.94	-65.30	1.23	11.09	V
									V
									V
									V

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

————THE END————