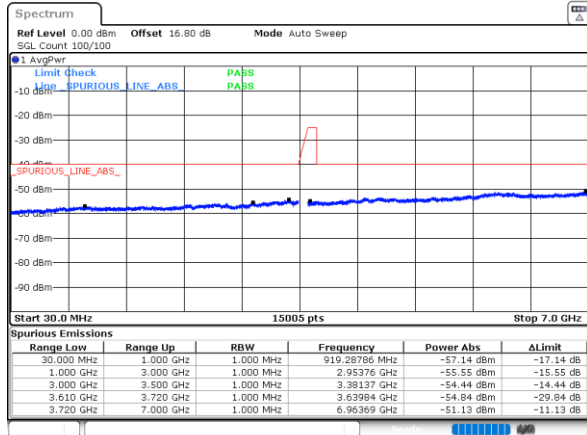


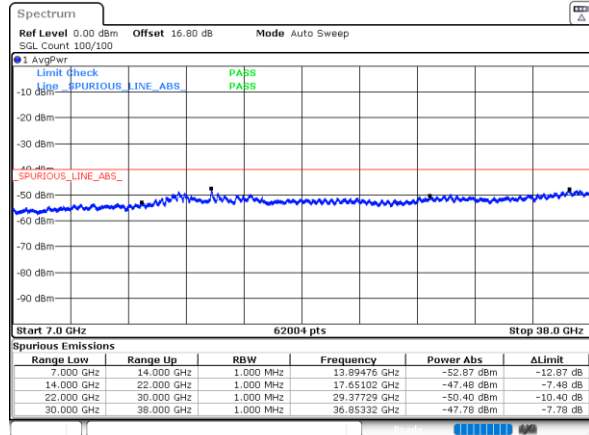


LTE Band 48 / 15MHz

Lowest Channel / QPSK

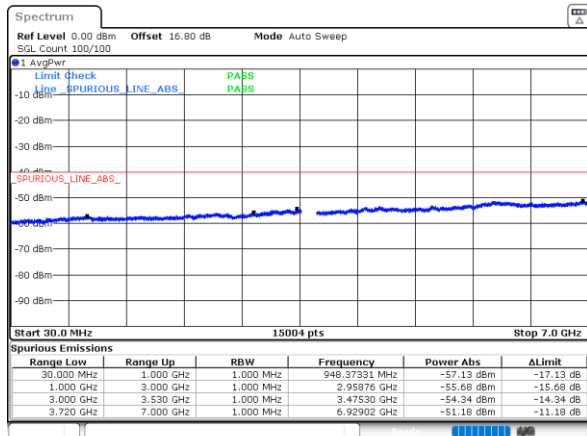


Date: 2.DEC.2022 20:59:00

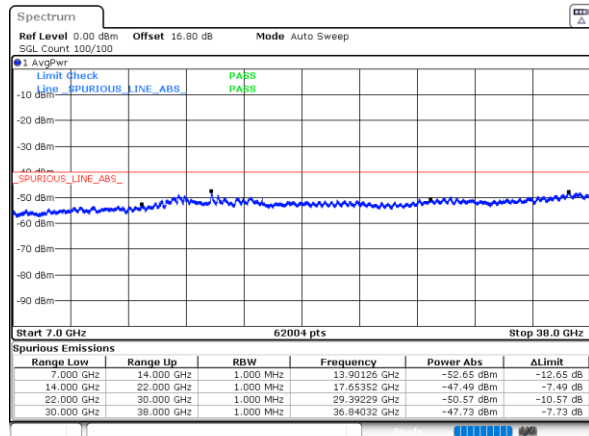


Date: 2.DEC.2022 21:15:14

Middle Channel / QPSK

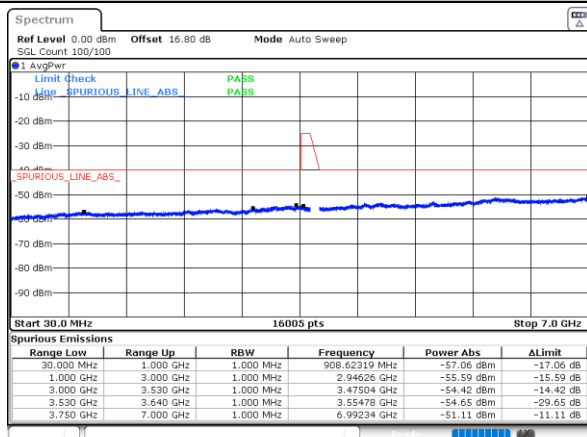


Date: 2.DEC.2022 21:01:19

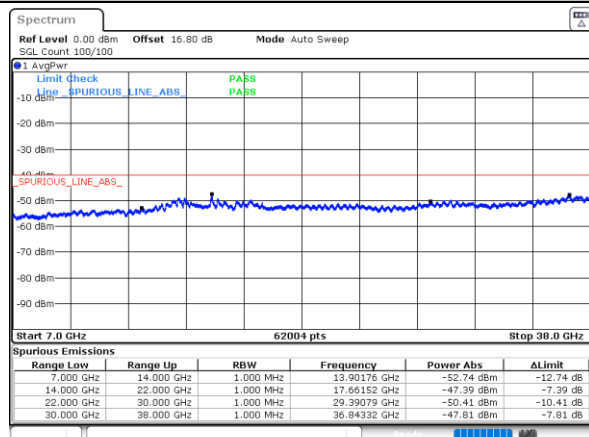


Date: 2.DEC.2022 21:16:35

Highest Channel / QPSK



Date: 2.DEC.2022 21:01:38

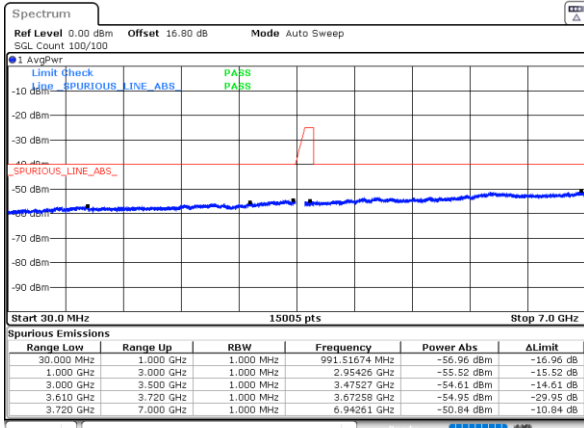


Date: 2.DEC.2022 21:17:55

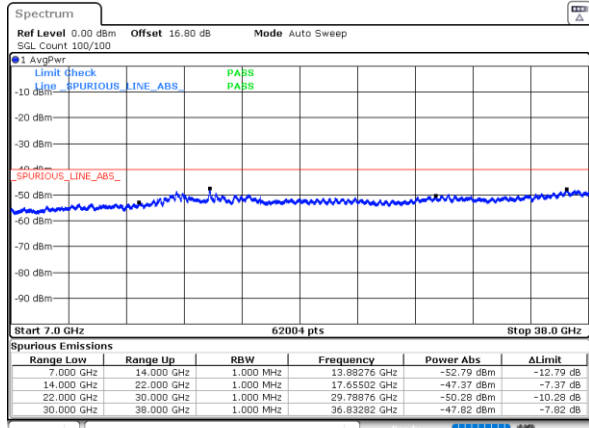


LTE Band 48 / 20MHz

Lowest Channel / QPSK

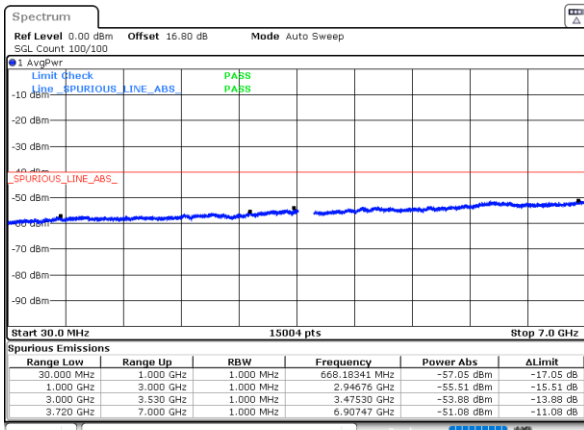


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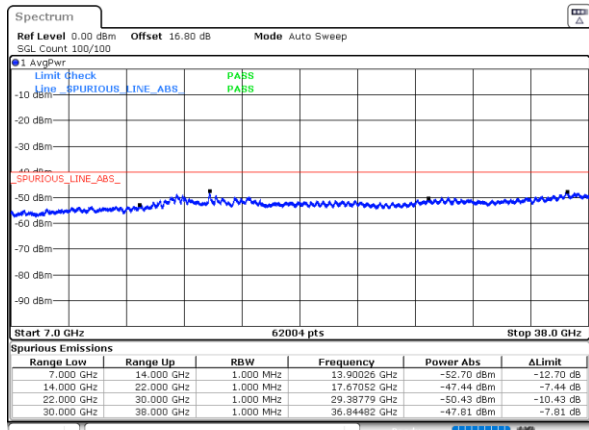


Date: 2.DEC.2022 21:19:18

Middle Channel / QPSK

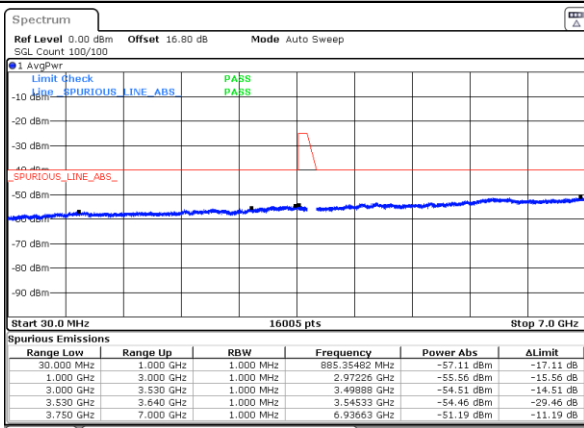


Date: 2.DEC.2022 21:04:22

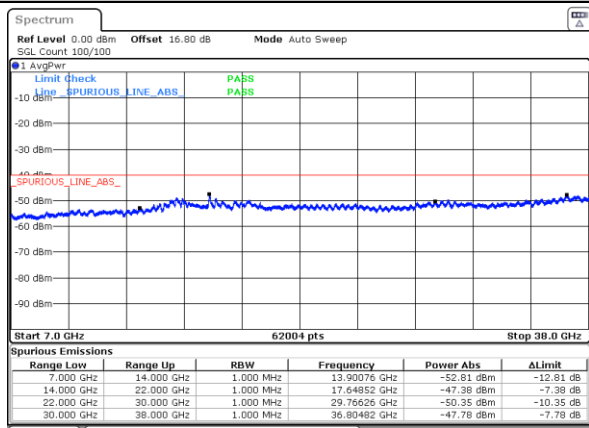


Date: 2.DEC.2022 21:20:38

Highest Channel / QPSK



Date: 2.DEC.2022 21:05:41



Date: 2.DEC.2022 21:21:58

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0050	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0049	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.88 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

<Close Mode>

<Primary Antenna>

<Ant. 6>

LTE Band 48

LTE Band 48 / 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	7102	-58.55	-40	-18.55	-55.67	-68.25	1.84	11.55	H
	10653	-54.76	-40	-14.76	-56.36	-63.23	2.23	10.71	H
	14205	-50.13	-40	-10.13	-57.86	-59.76	2.65	12.28	H
	21306	-61.69	-40	-21.69	-75.35	-76.54	3.32	18.17	H
	24857	-59.36	-40	-19.36	-76.84	-74.13	3.71	18.49	H
	28408	-57.16	-40	-17.16	-76.67	-72.63	3.99	19.46	H
	7102	-58.11	-40	-18.11	-55.47	-67.81	1.84	11.55	V
	10653	-54.97	-40	-14.97	-56.16	-63.44	2.23	10.71	V
	14205	-50.70	-40	-10.70	-58.3	-60.33	2.65	12.28	V
	21306	-62.07	-40	-22.07	-75.43	-76.92	3.32	18.17	V
	24857	-59.65	-40	-19.65	-76.81	-74.42	3.71	18.49	V
	28408	-57.68	-40	-17.68	-76.77	-73.15	3.99	19.46	V
Middle	7232	-58.50	-40	-18.50	-55.97	-67.96	1.86	11.32	H
	10848	-53.31	-40	-13.31	-55.3	-61.69	2.22	10.59	H
	14464	-50.30	-40	-10.30	-58.27	-59.80	2.62	12.12	H
	18080	-62.02	-40	-22.02	-72.82	-76.39	3.23	17.60	H
	21696	-61.06	-40	-21.06	-75.44	-76.23	3.42	18.60	H
	25312	-58.89	-40	-18.89	-76.47	-73.89	3.77	18.77	H
	7232	-57.77	-40	-17.77	-55.59	-67.23	1.86	11.32	V
	10848	-53.91	-40	-13.91	-55.67	-62.29	2.22	10.59	V
	14464	-49.76	-40	-9.76	-58.17	-59.26	2.62	12.12	V
	18080	-62.22	-40	-22.22	-72.72	-76.59	3.23	17.60	V
	21696	-61.11	-40	-21.11	-75.15	-76.28	3.42	18.60	V
	25312	-59.54	-40	-19.54	-76.83	-74.54	3.77	18.77	V



Highest	7362	-57.09	-40	-17.09	-54.88	-66.55	1.92	11.38	H
	11043	-53.50	-40	-13.50	-55.92	-61.83	2.22	10.55	H
	14724	-50.00	-40	-10.00	-58.08	-60.00	2.59	12.59	H
	18405	-62.05	-40	-22.05	-73.22	-76.41	3.24	17.60	H
	22086	-60.50	-40	-20.50	-75.17	-75.87	3.52	18.88	H
	25767	-59.06	-40	-19.06	-76.91	-74.23	3.88	19.05	H
	7362	-56.83	-40	-16.83	-54.77	-66.29	1.92	11.38	V
	11043	-54.03	-40	-14.03	-56.38	-62.36	2.22	10.55	V
	14724	-49.00	-40	-9.00	-58.04	-59.00	2.59	12.59	V
	18405	-62.35	-40	-22.35	-73.29	-76.71	3.24	17.60	V
	22086	-61.72	-40	-21.72	-76	-77.09	3.52	18.88	V
	25767	-59.30	-40	-19.30	-76.86	-74.47	3.88	19.05	V

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



<ASDIV Antenna>

<Ant. 2>

LTE Band 48

LTE Band 48 / 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	7102	-57.36	-40	-17.36	-54.48	-67.06	1.84	11.55	H
	10653	-54.76	-40	-14.76	-56.36	-63.23	2.23	10.71	H
	14205	-50.10	-40	-10.10	-57.83	-59.73	2.65	12.28	H
	21306	-59.98	-40	-19.98	-73.64	-74.83	3.32	18.17	H
	24857	-59.32	-40	-19.32	-76.8	-74.09	3.71	18.49	H
	28408	-56.87	-40	-16.87	-76.38	-72.34	3.99	19.46	H
	7102	-57.84	-40	-17.84	-55.2	-67.54	1.84	11.55	V
	10653	-55.36	-40	-15.36	-56.55	-63.83	2.23	10.71	V
	14205	-50.24	-40	-10.24	-57.84	-59.87	2.65	12.28	V
	21306	-61.89	-40	-21.89	-75.25	-76.74	3.32	18.17	V
	24857	-59.26	-40	-19.26	-76.42	-74.03	3.71	18.49	V
	28408	-57.38	-40	-17.38	-76.47	-72.85	3.99	19.46	V
Middle	7232	-58.19	-40	-18.19	-55.66	-67.65	1.86	11.32	H
	10848	-53.37	-40	-13.37	-55.36	-61.75	2.22	10.59	H
	14464	-49.96	-40	-9.96	-57.93	-59.46	2.62	12.12	H
	18080	-61.29	-40	-21.29	-72.09	-75.66	3.23	17.60	H
	21696	-59.54	-40	-19.54	-73.92	-74.71	3.42	18.60	H
	25312	-59.09	-40	-19.09	-76.67	-74.09	3.77	18.77	H
	7232	-58.12	-40	-18.12	-55.94	-67.58	1.86	11.32	V
	10848	-53.55	-40	-13.55	-55.31	-61.93	2.22	10.59	V
	14464	-49.80	-40	-9.80	-58.21	-59.30	2.62	12.12	V
	18080	-61.24	-40	-21.24	-71.74	-75.61	3.23	17.60	V
	21696	-61.21	-40	-21.21	-75.25	-76.38	3.42	18.60	V
	25312	-58.74	-40	-18.74	-76.03	-73.74	3.77	18.77	V



Highest	7362	-56.87	-40	-16.87	-54.66	-66.33	1.92	11.38	H
	11043	-51.26	-40	-11.26	-53.68	-59.59	2.22	10.55	H
	14724	-50.04	-40	-10.04	-58.12	-60.04	2.59	12.59	H
	18405	-61.78	-40	-21.78	-72.95	-76.14	3.24	17.60	H
	22086	-57.96	-40	-17.96	-72.63	-73.33	3.52	18.88	H
	25767	-58.79	-40	-18.79	-76.64	-73.96	3.88	19.05	H
	7362	-56.85	-40	-16.85	-54.79	-66.31	1.92	11.38	V
	11043	-53.76	-40	-13.76	-56.11	-62.09	2.22	10.55	V
	14724	-48.52	-40	-8.52	-57.56	-58.52	2.59	12.59	V
	18405	-61.97	-40	-21.97	-72.91	-76.33	3.24	17.60	V
	22086	-58.47	-40	-18.47	-72.75	-73.84	3.52	18.88	V
	25767	-58.81	-40	-18.81	-76.37	-73.98	3.88	19.05	V

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

————THE END————