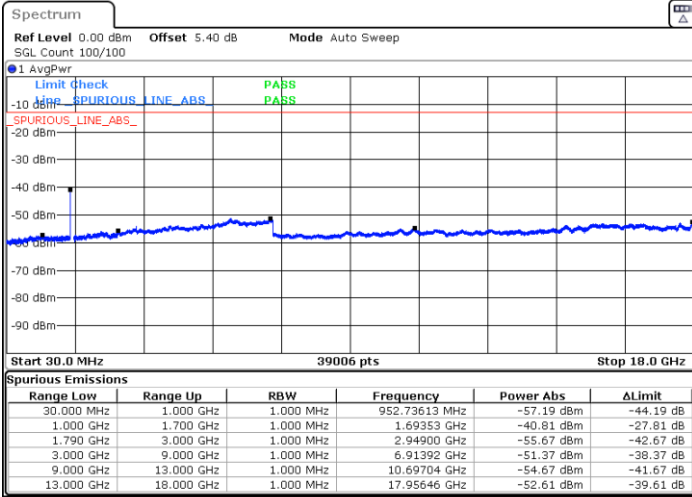




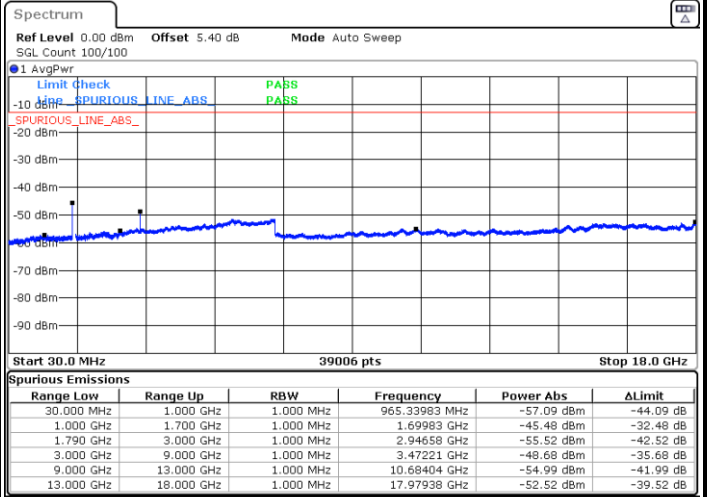
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

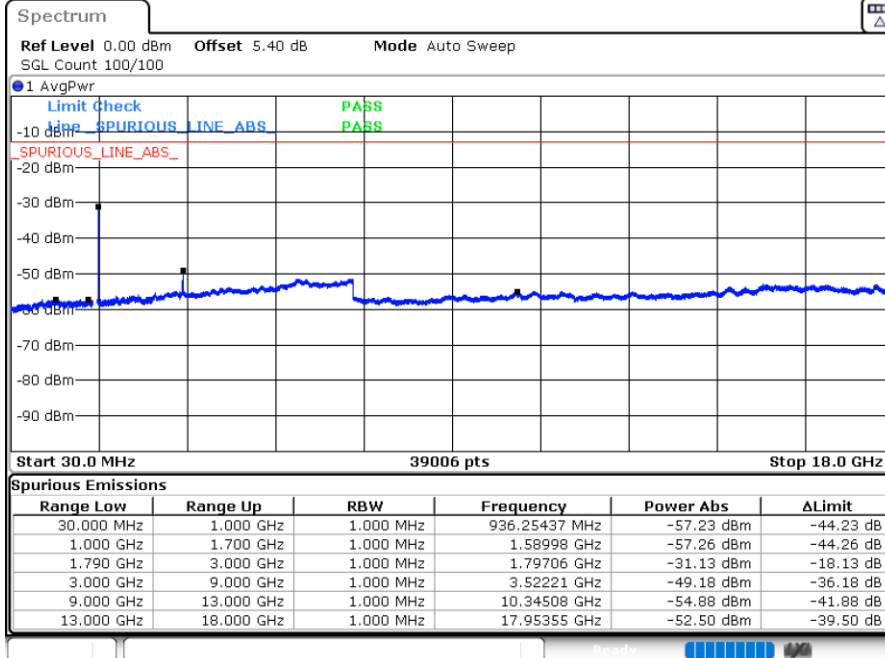


Date: 26.OCT.2022 22:58:03



Date: 26.OCT.2022 23:04:43

Highest Channel / QPSK



Date: 26.OCT.2022 23:06:03



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 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 7 / 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)
Lowest	5004	-59.79	-25	-34.79	-70.00	3.03	13.24	H
	7504	-62.91	-25	-37.91	-72.36	3.56	13.01	H
	10000	-60.84	-25	-35.84	-70.36	3.92	13.44	H
	5004	-56.35	-25	-31.35	-66.27	4.44	14.36	V
	7504	-61.02	-25	-36.02	-71.39	4.77	15.14	V
	10000	-58.75	-25	-33.75	-69.63	4.86	15.74	V
Middle	5050	-59.18	-25	-34.18	-69.39	3.03	13.24	H
	7580	-62.59	-25	-37.59	-72.04	3.56	13.01	H
	10107	-57.17	-25	-32.17	-66.69	3.92	13.44	H
	5050	-54.66	-25	-29.66	-64.58	4.44	14.36	V
	7580	-60.11	-25	-35.11	-70.48	4.77	15.14	V
	10107	-56.68	-25	-31.68	-67.56	4.86	15.74	V
Highest	5100	-59.11	-25	-34.11	-69.32	3.03	13.24	H
	7652	-62.62	-25	-37.62	-72.07	3.56	13.01	H
	10200	-58.14	-25	-33.14	-67.66	3.92	13.44	H
	5100	-54.29	-25	-29.29	-64.21	4.44	14.36	V
	7652	-59.56	-25	-34.56	-69.93	4.77	15.14	V
	10200	-56.28	-25	-31.28	-67.16	4.86	15.74	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)
Lowest	1400	-56.24	-13	-43.24	-63.21	1.58	10.70	H
	2096	-54.62	-13	-41.62	-62.87	2.102	12.50	H
	2800	-47.20	-13	-34.20	-56.09	2.856	13.90	H
	1400	-55.16	-13	-42.16	-62.13	1.58	10.70	V
	2096	-59.79	-13	-46.79	-68.04	2.10	12.50	V
	2800	-53.35	-13	-40.35	-62.24	2.86	13.90	V
Middle	1408	-58.48	-13	-45.48	-65.45	1.58	10.70	H
	2112	-60.26	-13	-47.26	-68.51	2.102	12.50	H
	2816	-47.46	-13	-34.46	-56.35	2.856	13.90	H
	1408	-60.07	-13	-47.07	-67.04	1.58	10.70	V
	2112	-61.12	-13	-48.12	-69.37	2.10	12.50	V
	2816	-55.09	-13	-42.09	-63.98	2.86	13.90	V
Highest	1416	-56.43	-13	-43.43	-63.40	1.58	10.70	H
	2120	-61.67	-13	-48.67	-69.92	2.102	12.50	H
	2824	-47.39	-13	-34.39	-56.28	2.856	13.90	H
	1416	-57.39	-13	-44.39	-64.36	1.58	10.70	V
	2120	-61.07	-13	-48.07	-69.32	2.10	12.50	V
	2824	-55.48	-13	-42.48	-64.37	2.86	13.90	V

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

LTE Band 13 / 5MHz / 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)
Lowest	1552	-62.90	-13	-49.90	-65.53	1.09	5.87	H
	2328	-47.58	-13	-34.58	-49.98	1.37	5.92	H
	3112	-58.90	-13	-45.90	-62.79	1.64	7.68	H
	1552	-63.73	-13	-50.73	-66.36	1.09	5.87	V
	2328	-51.86	-13	-38.86	-54.26	1.37	5.92	V
	3112	-59.33	-13	-46.33	-63.22	1.64	7.68	V
Middle	1560	-64.20	-42.15	-22.05	-66.83	1.09	5.87	H
	2336	-48.16	-13	-35.16	-50.56	1.37	5.92	H
	3120	-59.04	-13	-46.04	-62.93	1.64	7.68	H
	1560	-65.12	-42.15	-22.97	-67.75	1.09	5.87	V
	2336	-47.49	-13	-34.49	-49.89	1.37	5.92	V
	3120	-59.53	-13	-46.53	-63.42	1.64	7.68	V
Highest	1560	-65.82	-42.15	-23.67	-68.45	1.09	5.87	H
	2344	-41.17	-13	-28.17	-43.57	1.37	5.92	H
	3128	-59.43	-13	-46.43	-63.32	1.64	7.68	H
	1560	-64.85	-42.15	-22.70	-67.48	1.09	5.87	V
	2344	-48.01	-13	-35.01	-50.41	1.37	5.92	V
	3128	-60.02	-13	-47.02	-63.91	1.64	7.68	V

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



LTE Band 13 / 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)
Lowest	1552	-66.46	-13	-53.46	-69.09	1.09	5.87	H
	2328	-61.31	-13	-48.31	-63.71	1.37	5.92	H
	3112	-59.23	-13	-46.23	-63.12	1.64	7.68	H
	1552	-65.66	-13	-52.66	-68.29	1.09	5.87	V
	2328	-59.76	-13	-46.76	-62.16	1.37	5.92	V
	3112	-59.34	-13	-46.34	-63.23	1.64	7.68	V

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

LTE Band 25 / 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)
Lowest	3705	-50.70	-13	-37.70	-62.96	2.64	14.90	H
	5550	-54.59	-13	-41.59	-66.45	2.94	14.80	H
	7410	-51.61	-13	-38.61	-61.38	3.39	13.16	H
	3705	-56.13	-13	-43.13	-68.39	2.64	14.90	V
	5550	-54.26	-13	-41.26	-66.12	2.94	14.80	V
	7410	-51.91	-13	-38.91	-61.68	3.39	13.16	V
Middle	3741	-51.19	-13	-38.19	-63.45	2.64	14.90	H
	5613	-53.72	-13	-40.72	-65.58	2.94	14.80	H
	7488	-51.48	-13	-38.48	-61.25	3.39	13.16	H
	3741	-55.02	-13	-42.02	-67.28	2.64	14.90	V
	5613	-54.89	-13	-41.89	-66.75	2.94	14.80	V
	7488	-51.64	-13	-38.64	-61.41	3.39	13.16	V
Highest	3795	-52.31	-13	-39.31	-64.57	2.64	14.90	H
	5685	-54.42	-13	-41.42	-66.28	2.94	14.80	H
	7590	-51.58	-13	-38.58	-61.35	3.39	13.16	H
	3795	-56.23	-13	-43.23	-68.49	2.64	14.90	V
	5685	-54.59	-13	-41.59	-66.45	2.94	14.80	V
	7590	-51.31	-13	-38.31	-61.08	3.39	13.16	V

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



LTE Band 26 / 15MHz / 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)
Lowest	1648	-63.35	-13	-50.35	-70.32	1.58	10.70	H
	2472	-58.68	-13	-45.68	-66.93	2.102	12.50	H
	3296	-57.64	-13	-44.64	-66.53	2.856	13.90	H
	1648	-62.86	-13	-49.86	-69.83	1.58	10.70	V
	2472	-55.27	-13	-42.27	-63.52	2.10	12.50	V
	3296	-59.84	-13	-46.84	-68.73	2.86	13.90	V
Middle	1656	-62.54	-13	-49.54	-69.51	1.58	10.70	H
	2488	-56.10	-13	-43.10	-64.35	2.102	12.50	H
	3320	-58.35	-13	-45.35	-67.24	2.856	13.90	H
	1656	-62.37	-13	-49.37	-69.34	1.58	10.70	V
	2488	-53.52	-13	-40.52	-61.77	2.10	12.50	V
	3320	-59.69	-13	-46.69	-68.58	2.86	13.90	V
Highest	1672	-58.99	-13	-45.99	-65.96	1.58	10.70	H
	2504	-55.34	-13	-42.34	-63.59	2.102	12.50	H
	3336	-57.41	-13	-44.41	-66.30	2.856	13.90	H
	1672	-61.96	-13	-48.96	-68.93	1.58	10.70	V
	2504	-56.58	-13	-43.58	-64.83	2.10	12.50	V
	3336	-59.22	-13	-46.22	-68.11	2.86	13.90	V

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

LTE Band 41 / 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)
Lowest	4996	-58.99	-25	-33.99	-69.20	3.03	13.24	H
	7492	-62.44	-25	-37.44	-71.89	3.56	13.01	H
	9990	-61.37	-25	-36.37	-70.89	3.92	13.44	H
	4996	-54.78	-25	-29.78	-64.70	4.44	14.36	V
	7492	-58.02	-25	-33.02	-68.39	4.77	15.14	V
	9990	-59.36	-25	-34.36	-70.24	4.86	15.74	V
Middle	5168	-56.70	-25	-31.70	-66.91	3.03	13.24	H
	7752	-59.68	-25	-34.68	-69.13	3.56	13.01	H
	10340	-57.89	-25	-32.89	-67.41	3.92	13.44	H
	5168	-52.79	-25	-27.79	-62.71	4.44	14.36	V
	7752	-55.95	-25	-30.95	-66.32	4.77	15.14	V
	10340	-55.79	-25	-30.79	-66.67	4.86	15.74	V
Highest	5340	-58.15	-25	-33.15	-68.36	3.03	13.24	H
	8010	-55.71	-25	-30.71	-65.16	3.56	13.01	H
	10680	-50.77	-25	-25.77	-60.29	3.92	13.44	H
	5340	-50.92	-25	-25.92	-60.84	4.44	14.36	V
	8010	-57.52	-25	-32.52	-67.89	4.77	15.14	V
	10680	-52.11	-25	-27.11	-62.99	4.86	15.74	V

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



LTE Band 66 / 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)
Lowest	3420	-57.17	-13	-44.17	-67.91	2.604	13.34	H
	5130	-54.34	-13	-41.34	-64.85	3.011	13.52	H
	6840	-53.66	-13	-40.66	-63.86	3.271	13.47	H
	3420	-57.97	-13	-44.97	-68.71	2.604	13.34	V
	5130	-54.61	-13	-41.61	-65.12	3.011	13.52	V
	6840	-54.12	-13	-41.12	-64.32	3.271	13.47	V
Middle	3465	-54.62	-13	-41.62	-65.36	2.604	13.34	H
	5205	-54.19	-13	-41.19	-64.70	3.011	13.52	H
	6945	-52.85	-13	-39.85	-63.05	3.271	13.47	H
	3465	-56.01	-13	-43.01	-66.75	2.604	13.34	V
	5205	-53.98	-13	-40.98	-64.49	3.011	13.52	V
	6945	-52.80	-13	-39.80	-63.00	3.271	13.47	V
Highest	3525	-55.67	-13	-42.67	-66.41	2.604	13.34	H
	5280	-54.41	-13	-41.41	-64.92	3.011	13.52	H
	7050	-52.86	-13	-39.86	-63.06	3.271	13.47	H
	3525	-56.79	-13	-43.79	-67.53	2.604	13.34	V
	5280	-54.60	-13	-41.60	-65.11	3.011	13.52	V
	7050	-52.62	-13	-39.62	-62.82	3.271	13.47	V

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