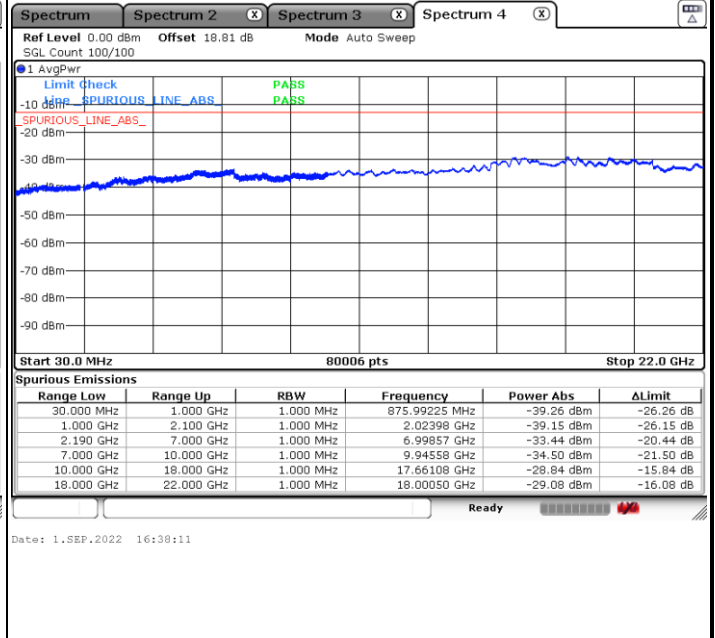
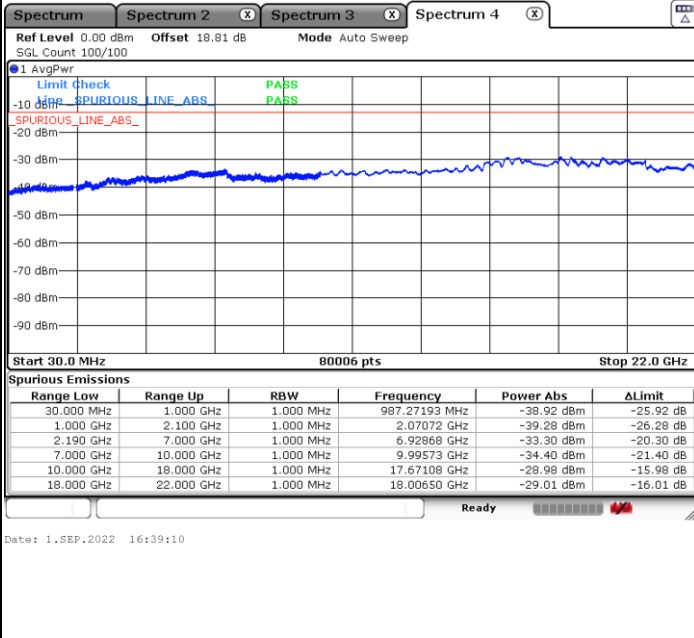




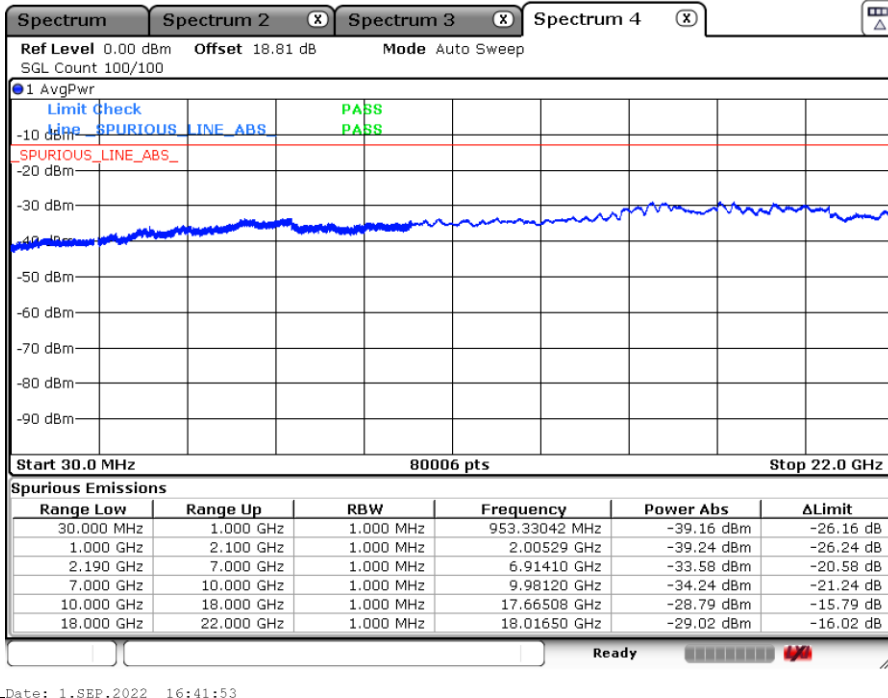
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





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	0.0008	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0007	
20	End Point	0.0016	

Note:

1. Normal Voltage =12 V. ; End Point =11.4 V. ; Maximum Voltage =12.6 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 :	Peng	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 13 / 5MHz / QPSK- External Antenna MIMO <Ant.1+2> with Adapter mode								
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	1496	-62.28	-13	-49.28	-64.91	1.09	5.87	H
	2248	-59.64	-13	-46.64	-62.04	1.37	5.92	H
	2992	-57.70	-13	-44.70	-61.59	1.64	7.68	H
	1496	-62.17	-13	-49.17	-64.80	1.09	5.87	V
	2248	-57.70	-13	-44.70	-60.10	1.37	5.92	V
	2992	-57.60	-13	-44.60	-61.49	1.64	7.68	V

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

LTE Band 13 / 5MHz / QPSK- Internal Antenna:MIMO <Ant.1+2> with Adapter mode								
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	1496	-60.73	-13	-47.73	-63.36	1.09	5.87	H
	2248	-58.65	-13	-45.65	-61.05	1.37	5.92	H
	2992	-56.80	-13	-43.80	-60.69	1.64	7.68	H
	1496	-60.61	-13	-47.61	-63.24	1.09	5.87	V
	2248	-56.65	-13	-43.65	-59.05	1.37	5.92	V
	2992	-56.38	-13	-43.38	-60.27	1.64	7.68	V

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

LTE Band 13 / 10MHz / QPSK- External Antenna MIMO <Ant.1+2> with Adapter mode								
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	1492	-64.73	-13	-51.73	-67.36	1.09	5.87	H
	2240	-59.22	-13	-46.22	-61.62	1.37	5.92	H
	2986	-57.23	-13	-44.23	-61.12	1.64	7.68	H
	1492	-64.17	-13	-51.17	-66.80	1.09	5.87	V
	2240	-58.23	-13	-45.23	-60.63	1.37	5.92	V
	2986	-57.04	-13	-44.04	-60.93	1.64	7.68	V

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



LTE Band 13 / 10MHz / QPSK- Internal Antenna:MIMO <Ant.1+2> with Adapter mode								
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	1496	-60.70	-13	-47.70	-63.33	1.09	5.87	H
	2240	-59.09	-13	-46.09	-61.49	1.37	5.92	H
	2984	-57.20	-13	-44.20	-61.09	1.64	7.68	H
	1496	-62.31	-13	-49.31	-64.94	1.09	5.87	V
	2240	-57.20	-13	-44.20	-59.60	1.37	5.92	V
	2984	-55.97	-13	-42.97	-59.86	1.64	7.68	V

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

LTE Band 13 / 10MHz / QPSK- Internal Antenna:MIMO <Ant.1+2> with POE mode								
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	1496	-62.15	-13	-49.15	-64.78	1.09	5.87	H
	2240	-58.97	-13	-45.97	-61.37	1.37	5.92	H
	2984	-56.98	-13	-43.98	-60.87	1.64	7.68	H
	1496	-62.09	-13	-49.09	-64.72	1.09	5.87	V
	2240	-58.00	-13	-45.00	-60.40	1.37	5.92	V
	2984	-56.71	-13	-43.71	-60.60	1.64	7.68	V

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

LTE Band 66 / 20MHz / QPSK- External Antenna MIMO <Ant.1+2> with Adapter mode								
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	4275	-56.92	-13	-43.92	-67.66	2.604	13.34	H
	6405	-53.45	-13	-40.45	-63.96	3.011	13.52	H
	8550	-49.44	-13	-36.44	-59.64	3.271	13.47	H
	4275	-56.76	-13	-43.76	-67.50	2.604	13.34	V
	6405	-53.85	-13	-40.85	-64.36	3.011	13.52	V
	8550	-49.30	-13	-36.30	-59.50	3.271	13.47	V

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



LTE Band 66 / 20MHz / QPSK- Internal Antenna:MIMO <Ant.1+2> with Adapter mode								
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	4275	-53.54	-13	-40.54	-64.28	2.604	13.34	H
	6405	-52.54	-13	-39.54	-63.05	3.011	13.52	H
	8550	-48.49	-13	-35.49	-58.69	3.271	13.47	H
	4275	-55.24	-13	-42.24	-65.98	2.604	13.34	V
	6405	-52.71	-13	-39.71	-63.22	3.011	13.52	V
	8550	-48.39	-13	-35.39	-58.59	3.271	13.47	V

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

LTE Band 66 / 20MHz / QPSK- Internal Antenna:MIMO <Ant.1+2> with POE mode								
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	4275	-54.70	-13	-41.70	-65.44	2.604	13.34	H
	6405	-52.80	-13	-39.80	-63.31	3.011	13.52	H
	8550	-48.72	-13	-35.72	-58.92	3.271	13.47	H
	4275	-55.67	-13	-42.67	-66.41	2.604	13.34	V
	6405	-52.57	-13	-39.57	-63.08	3.011	13.52	V
	8550	-48.55	-13	-35.55	-58.75	3.271	13.47	V

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