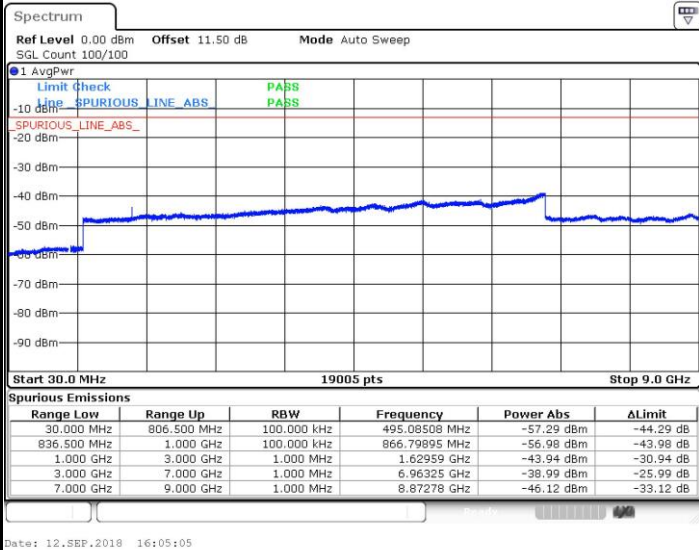




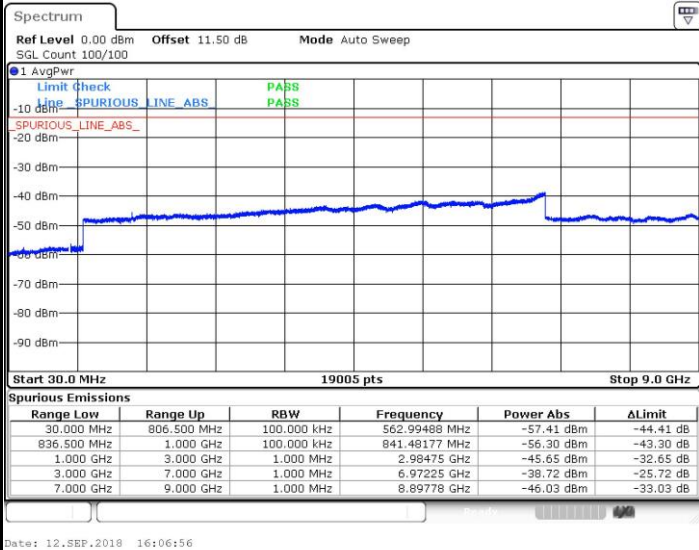
LTE Band 26 / 10MHz

Middle Channel / 64QAM



LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0068	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0065	
-10	Normal Voltage	0.0099	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0067	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0050	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0095	
-10	Normal Voltage	0.0116	
-20	Normal Voltage	0.0101	
-30	Normal Voltage	0.0108	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

<Reporting Only>

LTE Band 26 / 15MHz (Channel 26765)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.57	0.23	22.82	0.19
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	74	22.89	0.19	22.14	0.16
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	21.83	0.15	21.08	0.13
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission****LTE Band 26**

LTE Band 26 / 5MHz / 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	1632	-54.47	-13	-41.47	-62.74	-60.14	0.81	8.63	H
	2440	-57.54	-13	-44.54	-70.98	-65.08	1.03	10.72	H
	3256	-55.17	-13	-42.17	-71.09	-63.68	1.10	11.76	H
	4072	-51.15	-13	-38.15	-69.6	-60.29	1.40	12.69	H
	4888	-50.47	-13	-37.47	-71.13	-59.62	1.38	12.68	H
									H
									H
	1632	-52.59	-13	-39.59	-61.51	-58.26	0.81	8.63	V
	2440	-57.64	-13	-44.64	-71.02	-65.18	1.03	10.72	V
	3256	-56.73	-13	-43.73	-72.44	-65.24	1.10	11.76	V
	4072	-52.96	-13	-39.96	-71.6	-62.10	1.40	12.69	V
	4888	-50.33	-13	-37.33	-71.31	-59.48	1.38	12.68	V
									V
									V



Middle	1632	-52.47	-13	-39.47	-61.11	-58.14	0.81	8.63	H
	2448	-59.32	-13	-46.32	-72.7	-66.86	1.04	10.73	H
	3264	-54.59	-13	-41.59	-70.11	-63.12	1.10	11.78	H
	4088	-52.19	-13	-39.19	-70.03	-61.33	1.39	12.68	H
	4904	-50.46	-13	-37.46	-71.11	-59.60	1.39	12.68	H
									H
									H
	1632	-52.53	-13	-39.53	-61.2	-58.20	0.81	8.63	V
	2448	-58.20	-13	-45.20	-72.02	-65.74	1.04	10.73	V
	3264	-56.73	-13	-43.73	-73.04	-65.26	1.10	11.78	V
	4088	-52.25	-13	-39.25	-71.32	-61.39	1.39	12.68	V
	4904	-50.48	-13	-37.48	-72.01	-59.62	1.39	12.68	V
									V
									V
Highest	1640	-49.42	-13	-36.42	-58.4	-55.12	0.81	8.66	H
	2456	-58.29	-13	-45.29	-71.75	-65.84	1.04	10.74	H
	3280	-53.61	-13	-40.61	-69.32	-62.18	1.10	11.82	H
	4096	-51.44	-13	-38.44	-69.75	-60.58	1.39	12.68	H
	4920	-49.48	-13	-36.48	-69.72	-58.62	1.39	12.68	H
									H
									H
	1640	-50.23	-13	-37.23	-59.42	-55.93	0.81	8.66	V
	2456	-58.27	-13	-45.27	-71.82	-65.82	1.04	10.74	V
	3280	-54.71	-13	-41.71	-70.89	-63.28	1.10	11.82	V
	4096	-53.45	-13	-40.45	-72.53	-62.59	1.39	12.68	V
	4920	-51.10	-13	-38.10	-72.24	-60.24	1.39	12.68	V
									V
									V

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



LTE Band 26

LTE Band 26 / 15MHz / 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	1643	-59.43	-13	-46.43	-68.07	-65.14	0.81	8.67	H
	2464	-60.36	-13	-47.36	-73.87	-67.92	1.04	10.75	H
	3288	-57.56	-13	-44.56	-73.45	-66.14	1.10	11.83	H
									H
									H
									H
									H
	1643	-60.54	-13	-47.54	-69.46	-66.25	0.81	8.67	V
	2464	-60.33	-13	-47.33	-73.97	-67.89	1.04	10.75	V
	3288	-57.39	-13	-44.39	-73.96	-65.97	1.10	11.83	V
									V
									V
									V
									V

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