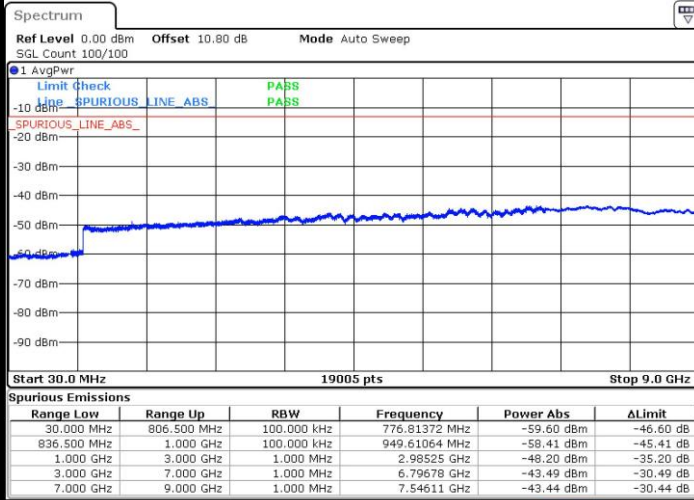




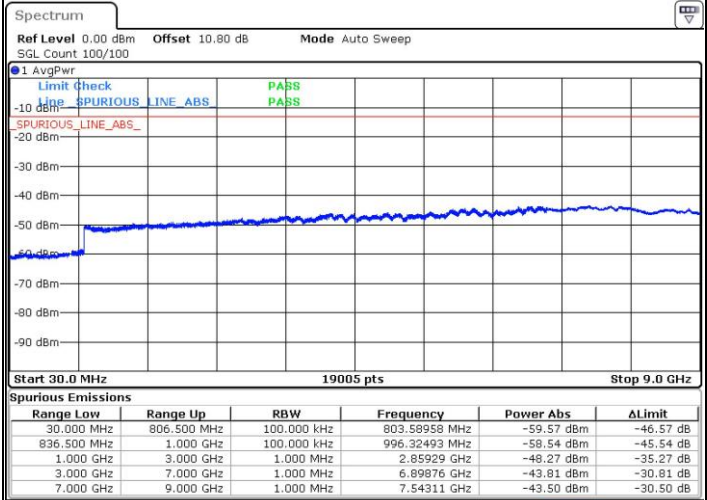
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



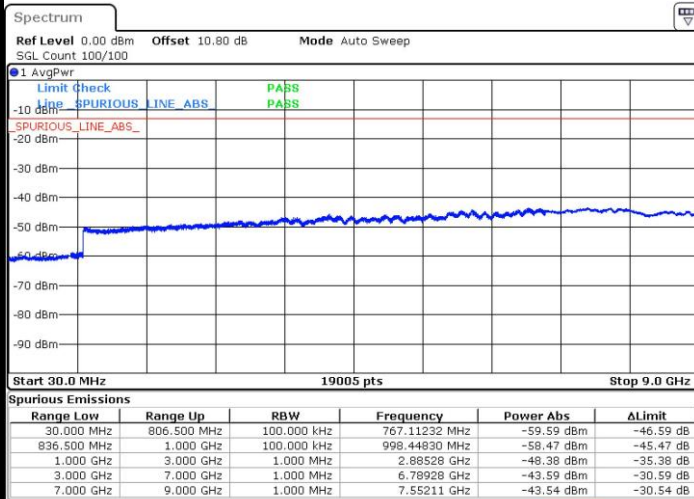
Date: 23 MAR 2019 13:06:37

Middle Channel / 64QAM



Date: 23 MAR 2019 13:07:54

Highest Channel / 64QAM

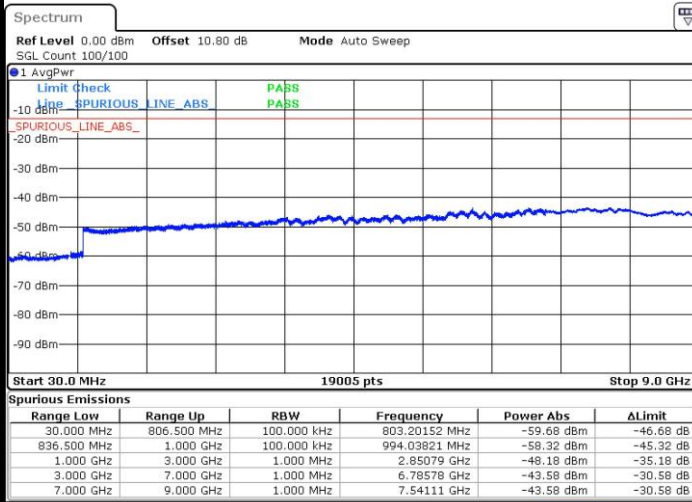


Date: 23 MAR 2019 13:09:11



LTE Band 26 / 10MHz

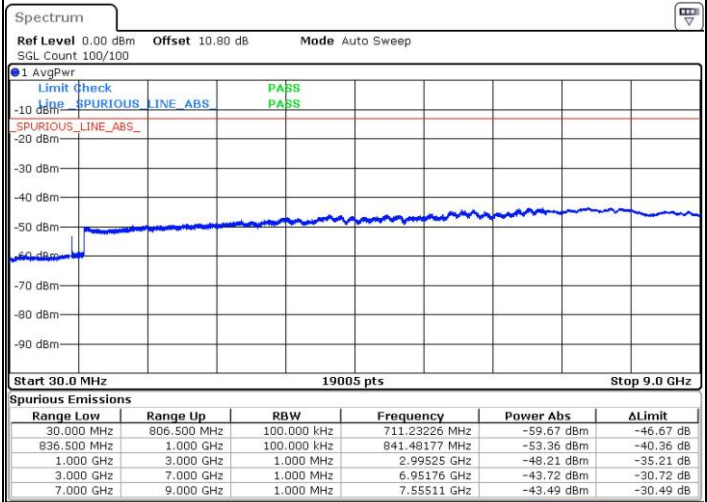
Middle Channel / 64QAM



Date: 23 MAR 2019 13:10:29

LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Date: 23 MAR 2019 13:11:47

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	0.0005	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0079	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0070	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0068	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 V.
2. Note: 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	0.0084	PASS
40	Normal Voltage	0.0085	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0067	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 V.
2. Note: 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) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.53	0.23	23.38	0.22
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	22.89	0.19	22.74	0.19
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	0	21.85	0.15	21.70	0.15
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

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

Part 90S LTE Band 26 / 1.4MHz / 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	-58.69	-13	-45.69	-68.73	-64.23	0.91	8.60	H
	2443	-57.44	-13	-44.44	-71.77	-64.77	1.14	10.62	H
	3256	-55.48	-13	-42.48	-71.22	-63.93	1.32	11.91	H
									H
									H
									H
									H
	1632	-59.24	-13	-46.24	-68.81	-64.78	0.91	8.60	V
	2443	-57.28	-13	-44.28	-71.71	-64.61	1.14	10.62	V
	3256	-55.16	-13	-42.16	-71.38	-63.61	1.32	11.91	V
									V
									V
									V
									V



Middle	1640	-58.47	-13	-45.47	-68.56	-64.03	0.92	8.63	H
	2456	-56.70	-13	-43.70	-71.03	-64.05	1.14	10.64	H
	3274	-55.82	-13	-42.82	-71.52	-64.31	1.32	11.96	H
									H
									H
									H
									H
	1640	-57.78	-13	-44.78	-67.33	-63.34	0.92	8.63	V
	2456	-57.02	-13	-44.02	-71.48	-64.37	1.14	10.64	V
	3274	-55.27	-13	-42.27	-71.44	-63.75	1.32	11.96	V
									V
									V
									V
									V
Highest	1648	-58.09	-13	-45.09	-68.19	-63.68	0.92	8.66	H
	2472	-57.18	-13	-44.18	-71.5	-64.55	1.14	10.66	H
	3291	-55.98	-13	-42.98	-71.64	-64.51	1.32	12.00	H
									H
									H
									H
									H
	1648	-57.24	-13	-44.24	-66.8	-62.83	0.92	8.66	V
	2472	-56.90	-13	-43.90	-71.4	-64.27	1.14	10.66	V
	3291	-55.34	-13	-42.34	-71.46	-63.87	1.32	12.00	V
									V
									V
									V
									V

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



Part 90S LTE Band 26 / 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)
Middle	1632	-58.99	-13	-45.99	-69.03	-64.53	0.91	8.60	H
	2443	-57.37	-13	-44.37	-71.7	-64.70	1.14	10.62	H
	3256	-55.59	-13	-42.59	-71.33	-64.04	1.32	11.91	H
									H
									H
									H
									H
	1632	-59.01	-13	-46.01	-68.58	-64.55	0.91	8.60	V
	2443	-57.25	-13	-44.25	-71.68	-64.58	1.14	10.62	V
	3256	-55.07	-13	-42.07	-71.29	-63.52	1.32	11.91	V
									V
									V
									V
									V



Part 90S 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	1632	-59.13	-13	-46.13	-69.17	-64.67	0.91	8.60	H
	2444	-57.26	-13	-44.26	-71.59	-64.59	1.14	10.62	H
	3259	-55.76	-13	-42.76	-71.5	-64.21	1.32	11.92	H
									H
									H
									H
									H
	1632	-59.24	-13	-46.24	-68.81	-64.78	0.91	8.60	V
	2444	-57.19	-13	-44.19	-71.62	-64.52	1.14	10.62	V
	3259	-55.42	-13	-42.42	-71.64	-63.87	1.32	11.92	V
									V
									V
									V
									V