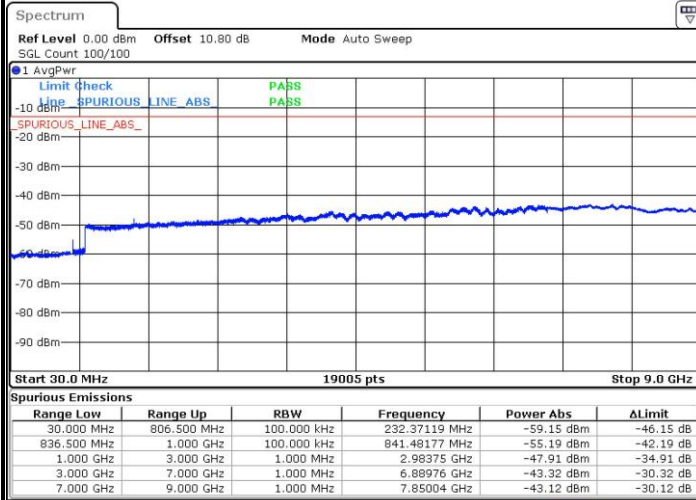




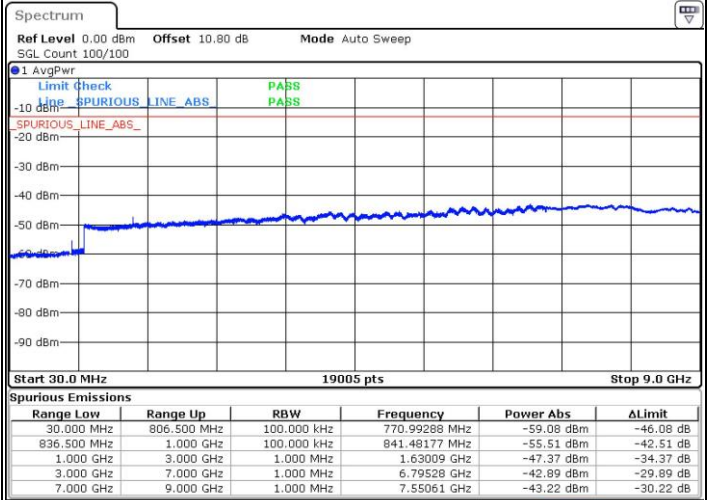
## LTE Band 26 / 15MHz

## Lowest Channel / QPSK



Date: 30 MAR 2019 05:49:17

## Lowest Channel / 16QAM

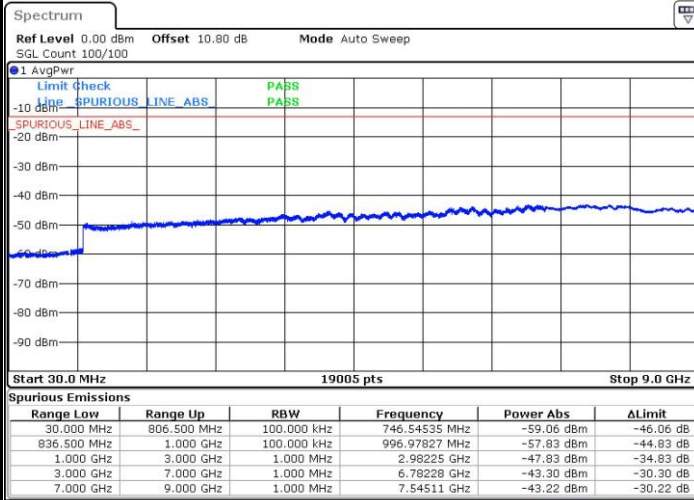


Date: 30 MAR 2019 05:50:20



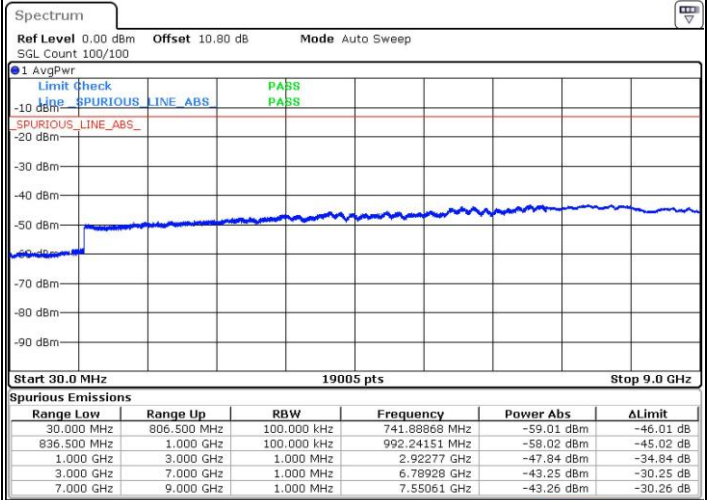
## LTE Band 26 / 1.4MHz

## Lowest Channel / 64QAM



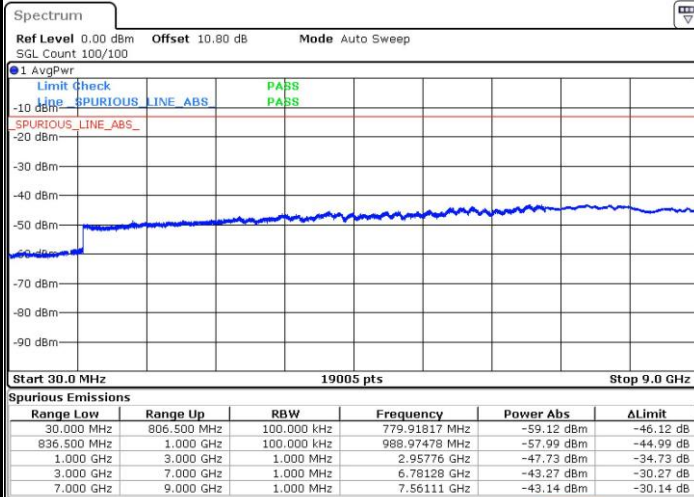
Date: 30 MAR 2019 05:23:04

## Middle Channel / 64QAM



Date: 30 MAR 2019 05:24:32

## Highest Channel / 64QAM

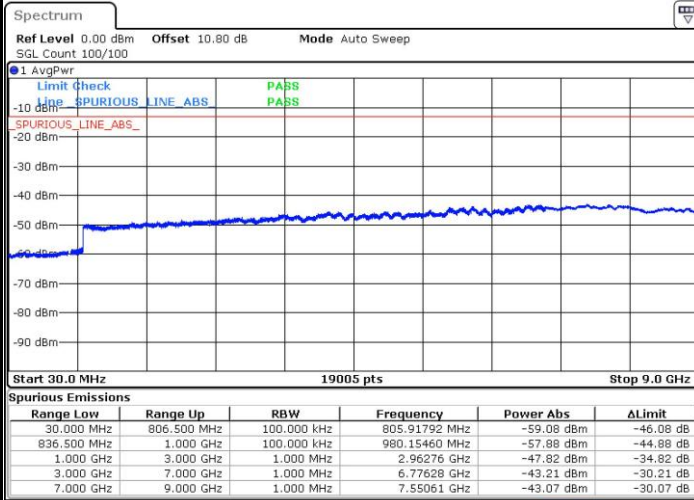


Date: 30 MAR 2019 05:26:00



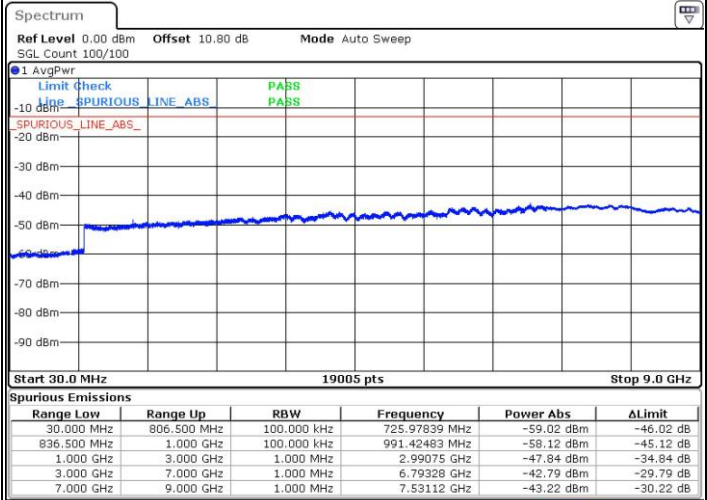
## LTE Band 26 / 3MHz

## Lowest Channel / 64QAM



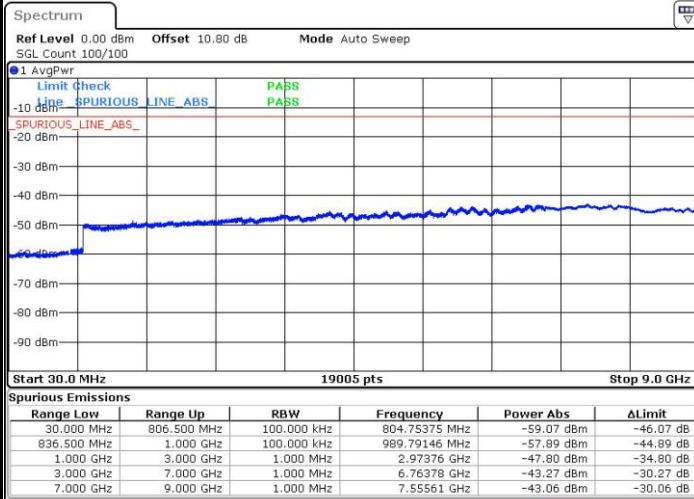
Date: 30 MAR 2019 05:09:18

## Middle Channel / 64QAM



Date: 30 MAR 2019 05:10:45

## Highest Channel / 64QAM

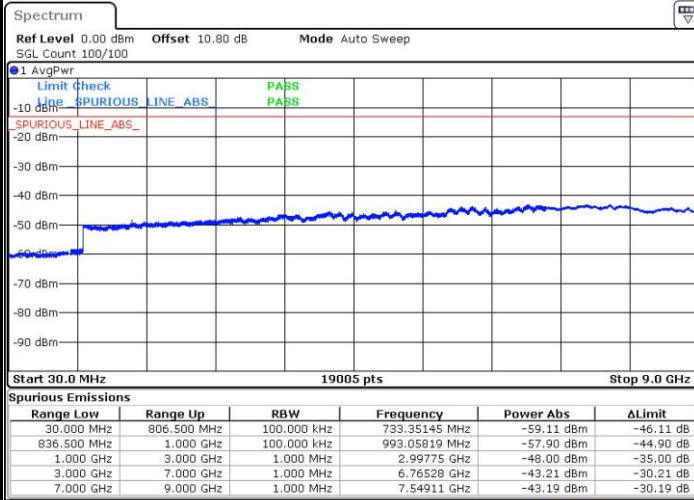


Date: 30 MAR 2019 05:12:12



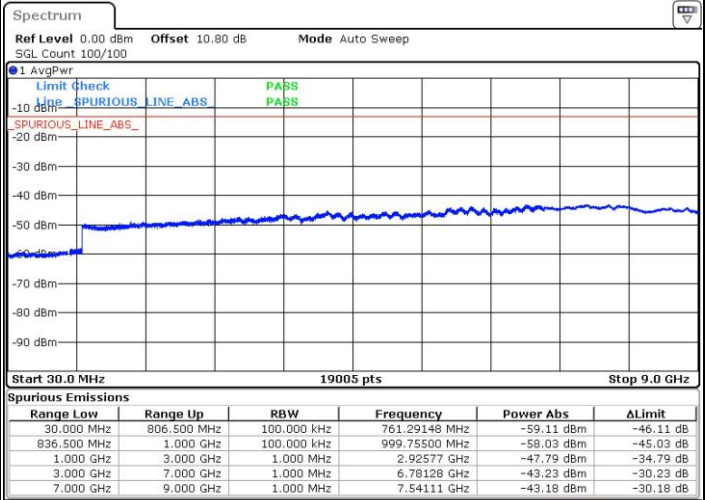
## LTE Band 26 / 5MHz

## Lowest Channel / 64QAM



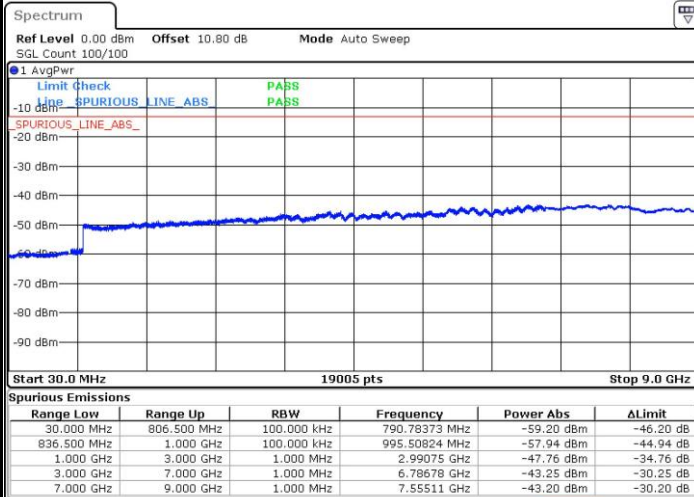
Date: 30 MAR 2019 05:13:40

## Middle Channel / 64QAM

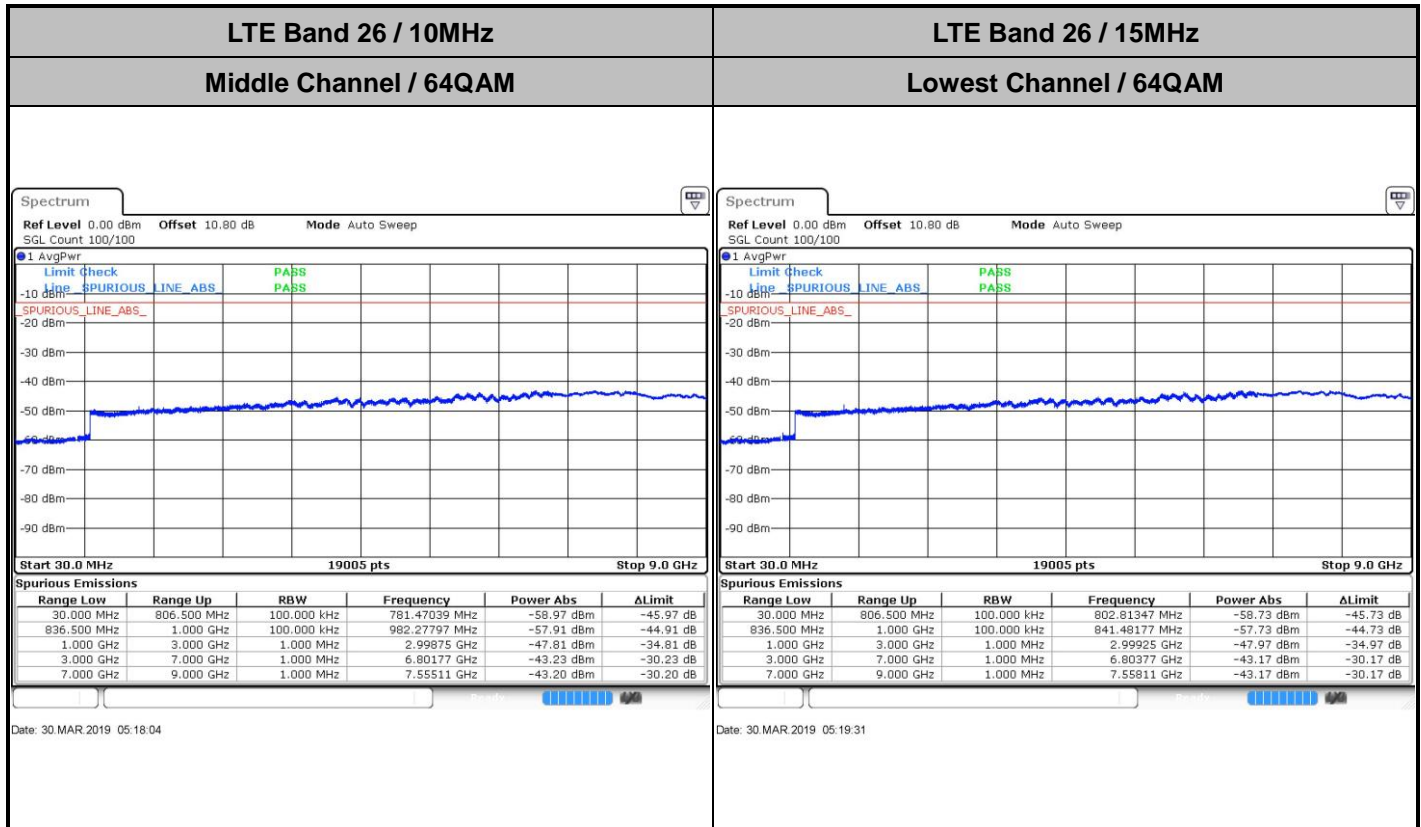


Date: 30 MAR 2019 05:15:08

## Highest Channel / 64QAM



Date: 30 MAR 2019 05:16:35



## 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	0.0035	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0045	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0116	
-20	Normal Voltage	0.0083	
-30	Normal Voltage	0.0065	
20	Maximum Voltage	0.0089	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0042	

**Note:**

1. Normal Voltage =7.6 V. ; Battery End Point (BEP) =7.0 V. ; Maximum Voltage =8.7 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	0.0088	PASS
40	Normal Voltage	0.0080	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0133	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0144	
20	Maximum Voltage	0.0083	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0069	

**Note:**

1. Normal Voltage =7.6 V. ; Battery End Point (BEP) =7.0 V. ; Maximum Voltage =8.7 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) (GT - LC = 2.03 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.51	0.22	23.39	0.22
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	37	22.79	0.19	22.67	0.18
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	0	21.75	0.15	21.63	0.15
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



**Radiated Spurious Emission****LTE Band 26 Part90S**

LTE Band 26 / 3MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( 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	-49.80	-13	-36.80	-60.83	-55.59	0.68	8.63	H
	2440	-57.37	-13	-44.37	-73.33	-64.99	0.94	10.72	H
	3256	-56.67	-13	-43.67	-74.94	-65.09	1.19	11.76	H
									H
	1632	-49.76	-13	-36.76	-60.65	-55.55	0.68	8.63	V
	2440	-58.66	-13	-45.66	-74.69	-66.28	0.94	10.72	V
	3256	-55.08	-13	-42.08	-73.32	-63.50	1.19	11.76	V
									V
Middle	1632	-49.41	-13	-36.41	-60.44	-55.20	0.68	8.63	H
	2452	-58.47	-13	-45.47	-74.43	-66.11	0.94	10.73	H
	3270	-57.34	-13	-44.34	-75.57	-65.79	1.19	11.79	H
									H
	1632	-50.75	-13	-37.75	-61.64	-56.54	0.68	8.63	V
	2452	-58.87	-13	-45.87	-74.88	-66.51	0.94	10.73	V
	3270	-56.93	-13	-43.93	-75.08	-65.38	1.19	11.79	V
									V
Highest	1640	-49.65	-13	-36.65	-60.71	-55.47	0.69	8.66	H
	2463	-58.94	-13	-45.94	-74.9	-66.59	0.95	10.75	H
	3288	-57.20	-13	-44.20	-75.38	-65.68	1.20	11.83	H
									H
	1640	-50.06	-13	-37.06	-60.99	-55.88	0.69	8.66	V
	2463	-58.60	-13	-45.60	-74.58	-66.25	0.95	10.75	V
	3288	-56.02	-13	-43.02	-74.07	-64.50	1.20	11.83	V
									V

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



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	-49.72	-13	-36.72	-60.75	-55.51	0.68	8.63	H
	3256	-57.79	-13	-44.79	-76.06	-66.21	1.19	11.76	H
	4888	-53.49	-13	-40.49	-76.77	-62.10	1.91	12.68	H
									H
									H
									H
									H
	1632	-49.76	-13	-36.76	-60.65	-55.55	0.68	8.63	V
	3256	-56.20	-13	-43.20	-74.44	-64.62	1.19	11.76	V
	4888	-52.11	-13	-39.11	-75.44	-60.72	1.91	12.68	V
									V
									V
									V
									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 )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-48.69	-13	-35.69	-59.72	-54.48	0.68	8.63	H
	2448	-56.96	-13	-43.96	-72.93	-64.59	0.94	10.73	H
	3259	-55.97	-13	-42.97	-74.23	-64.40	1.19	11.77	H
									H
									H
									H
									H
	1632	-48.83	-13	-35.83	-59.72	-54.62	0.68	8.63	V
	2448	-58.56	-13	-45.56	-74.58	-66.19	0.94	10.73	V
	3259	-54.55	-13	-41.55	-72.77	-62.98	1.19	11.77	V
									V
									V
									V
									V

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