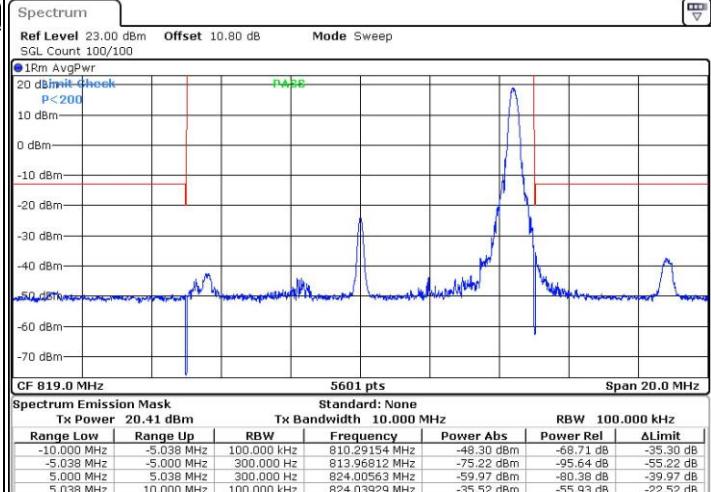
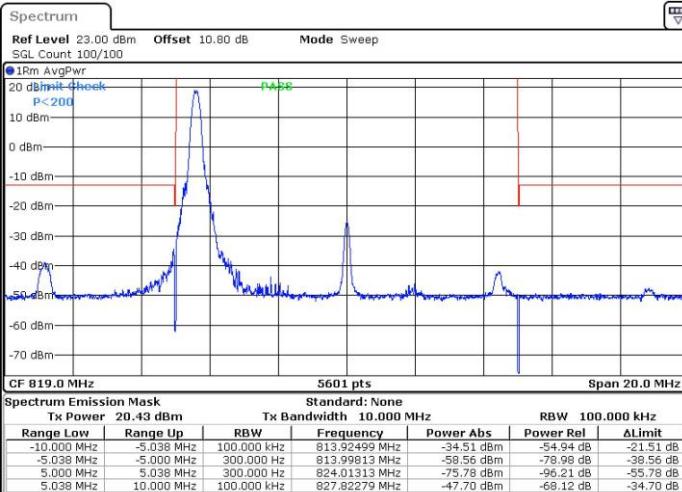




LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

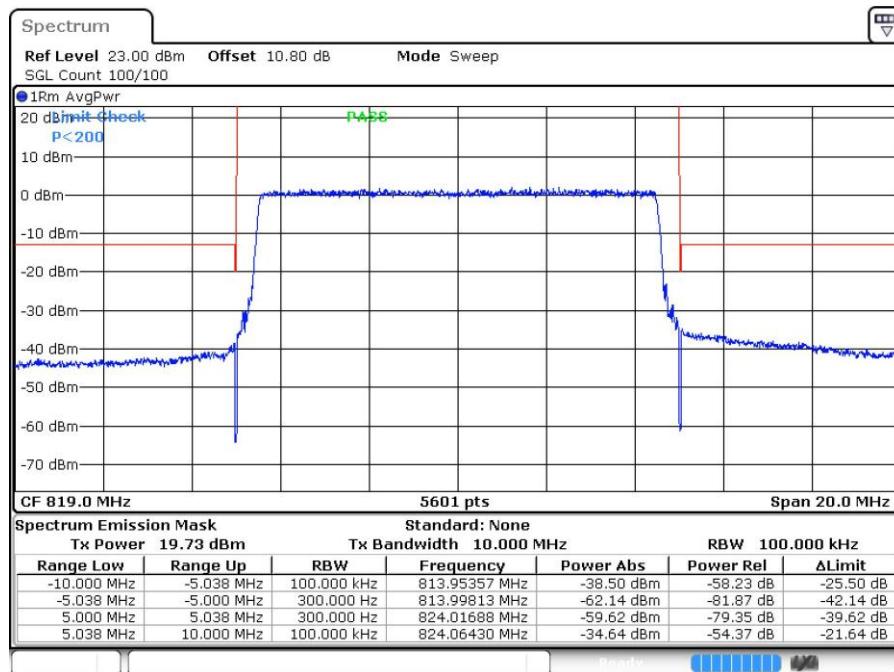
Highest Band Edge / 1 RB



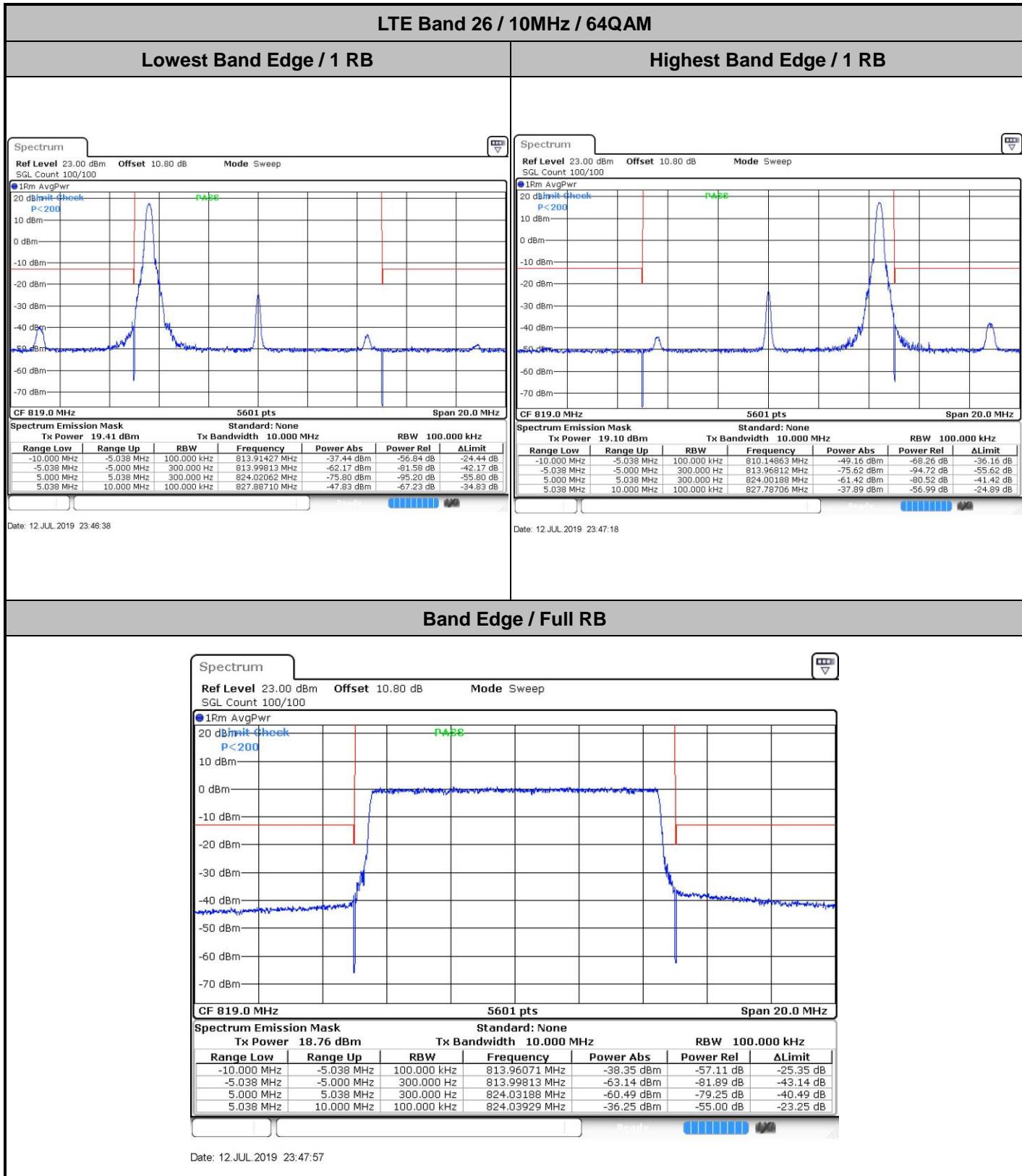
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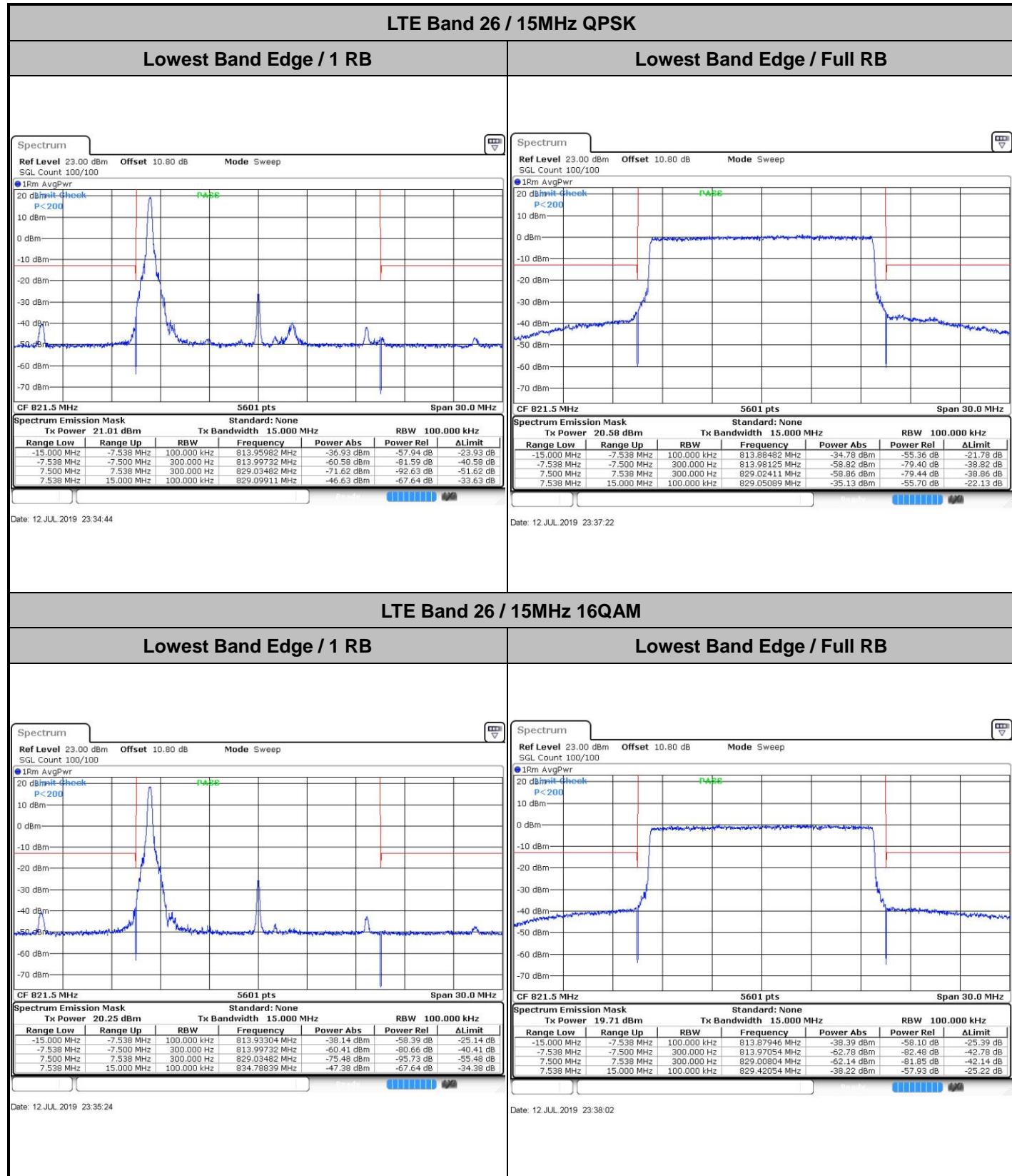
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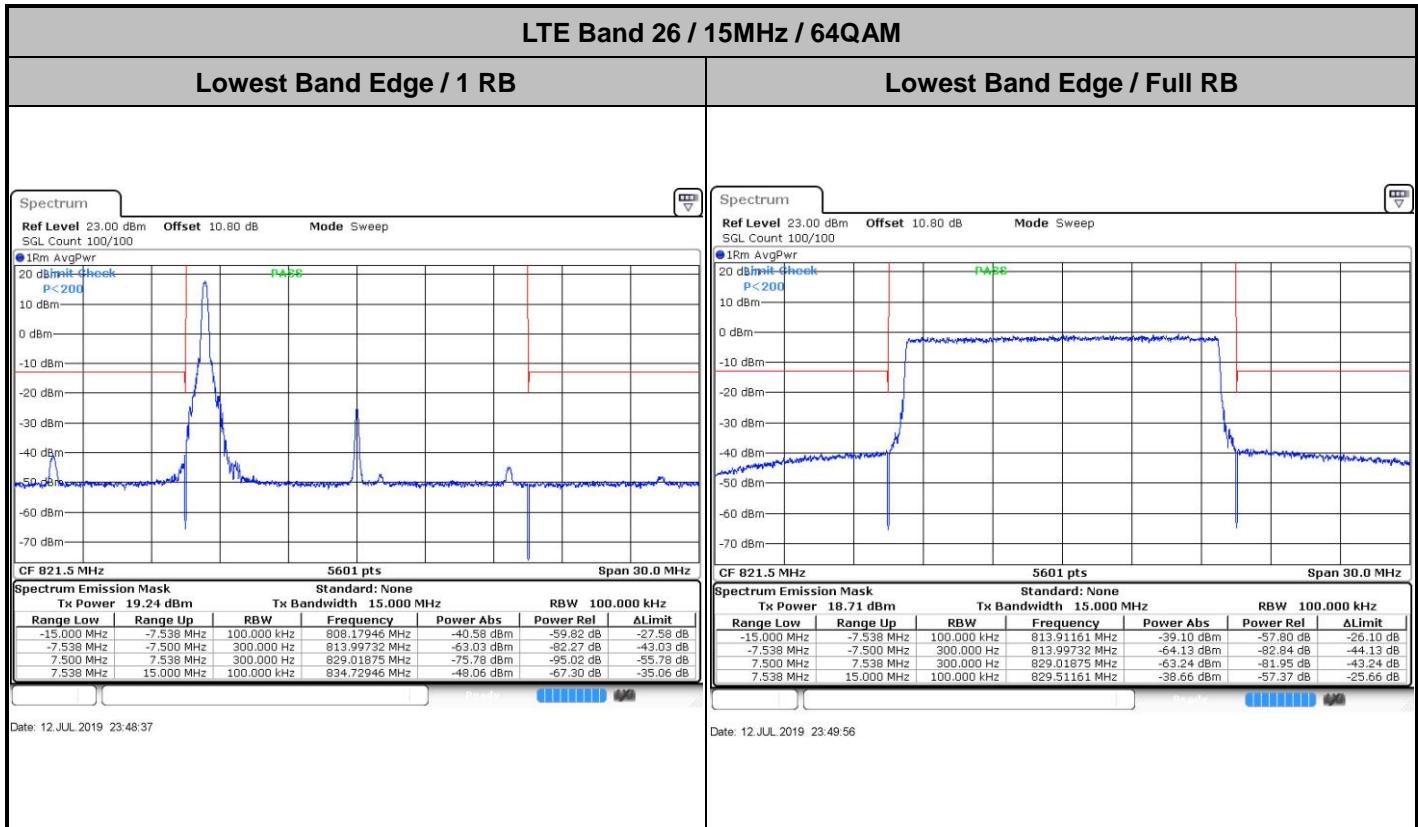
Band Edge / Full RB



Date: 12.JUL.2019 23:34:04







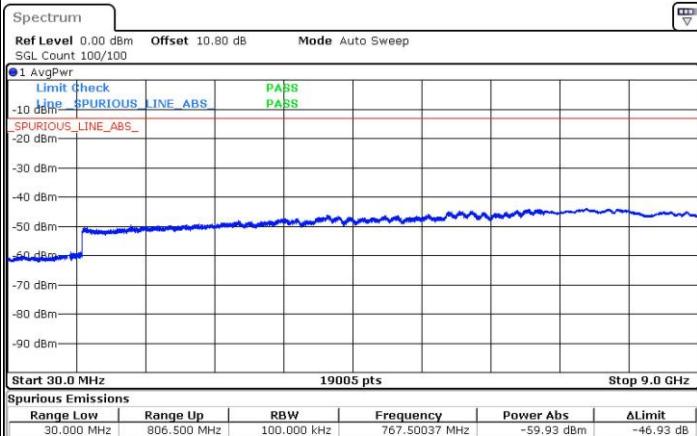
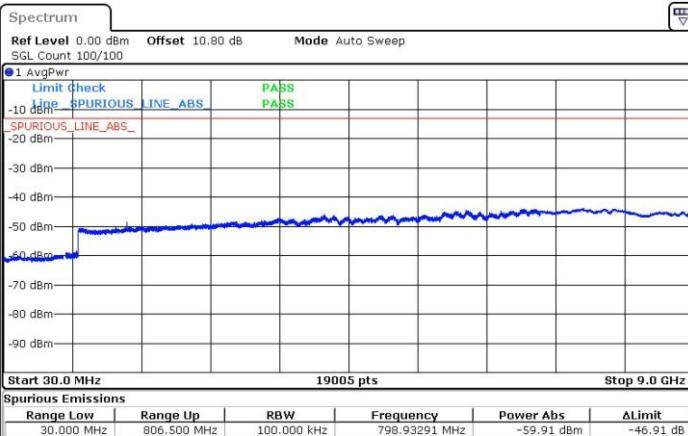


Emission masks – Out of band emissions

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

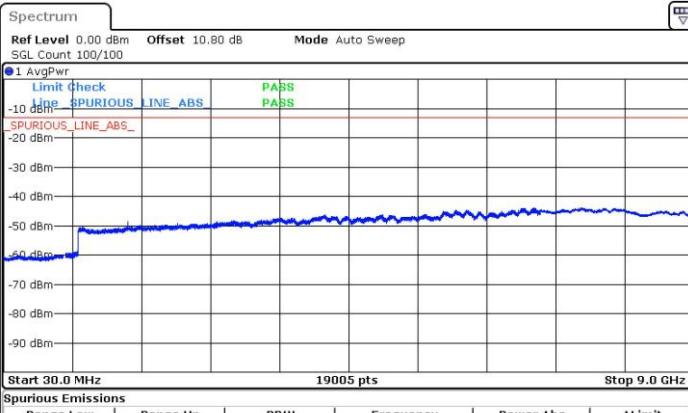


Date: 13.JUL.2019 00:27:22

Date: 13.JUL.2019 00:28:09

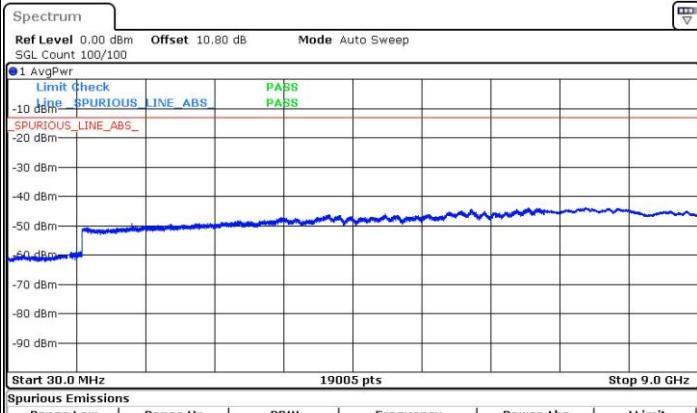
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 13.JUL.2019 00:29:41

Date: 13.JUL.2019 00:30:28

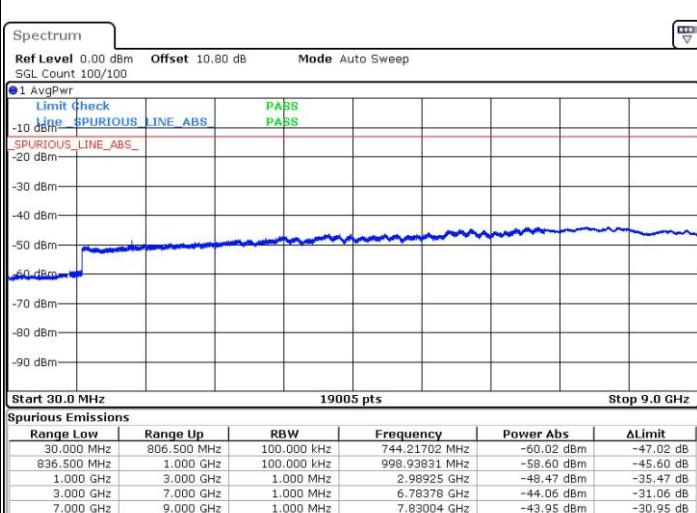
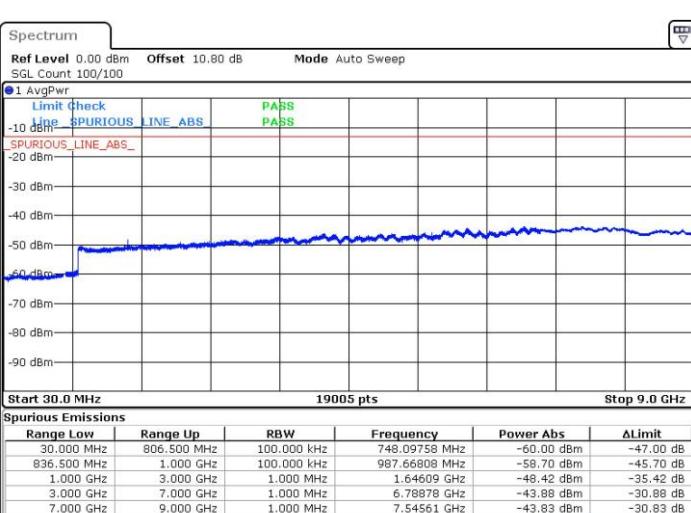




LTE Band 26 / 1.4MHz

Highest Channel / QPSK

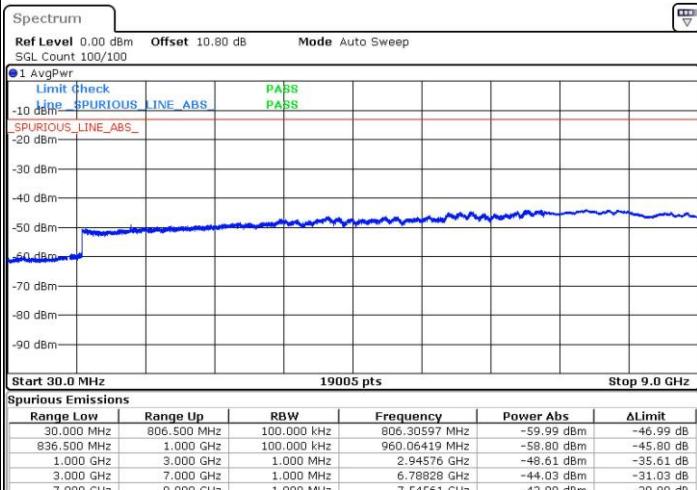
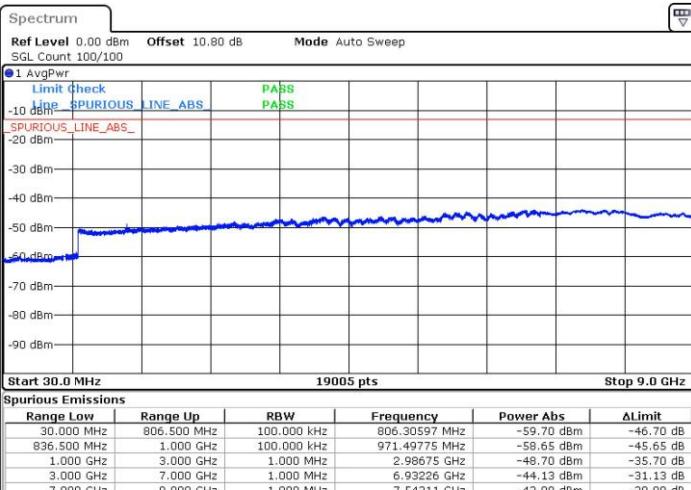
Highest Channel / 16QAM

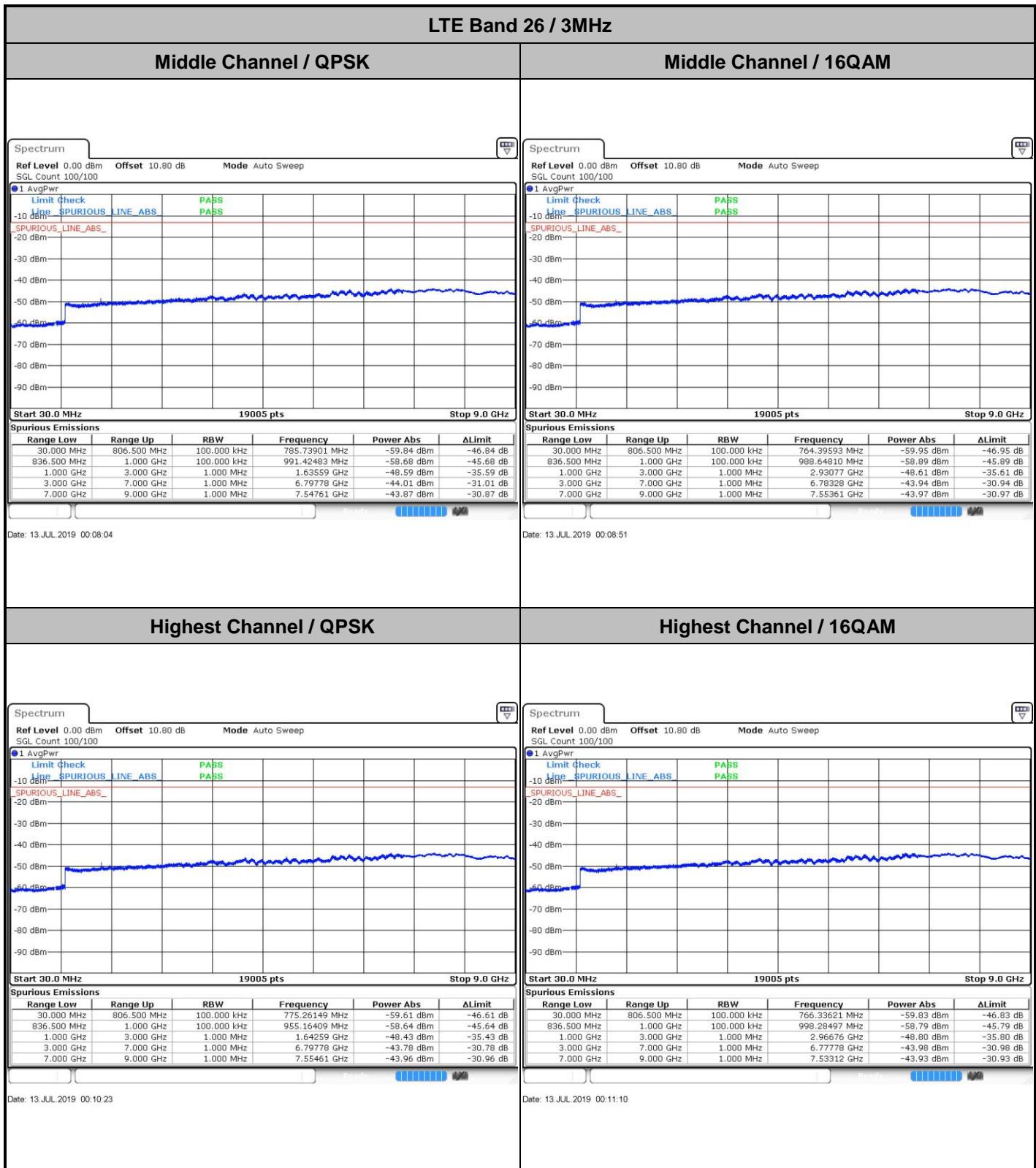


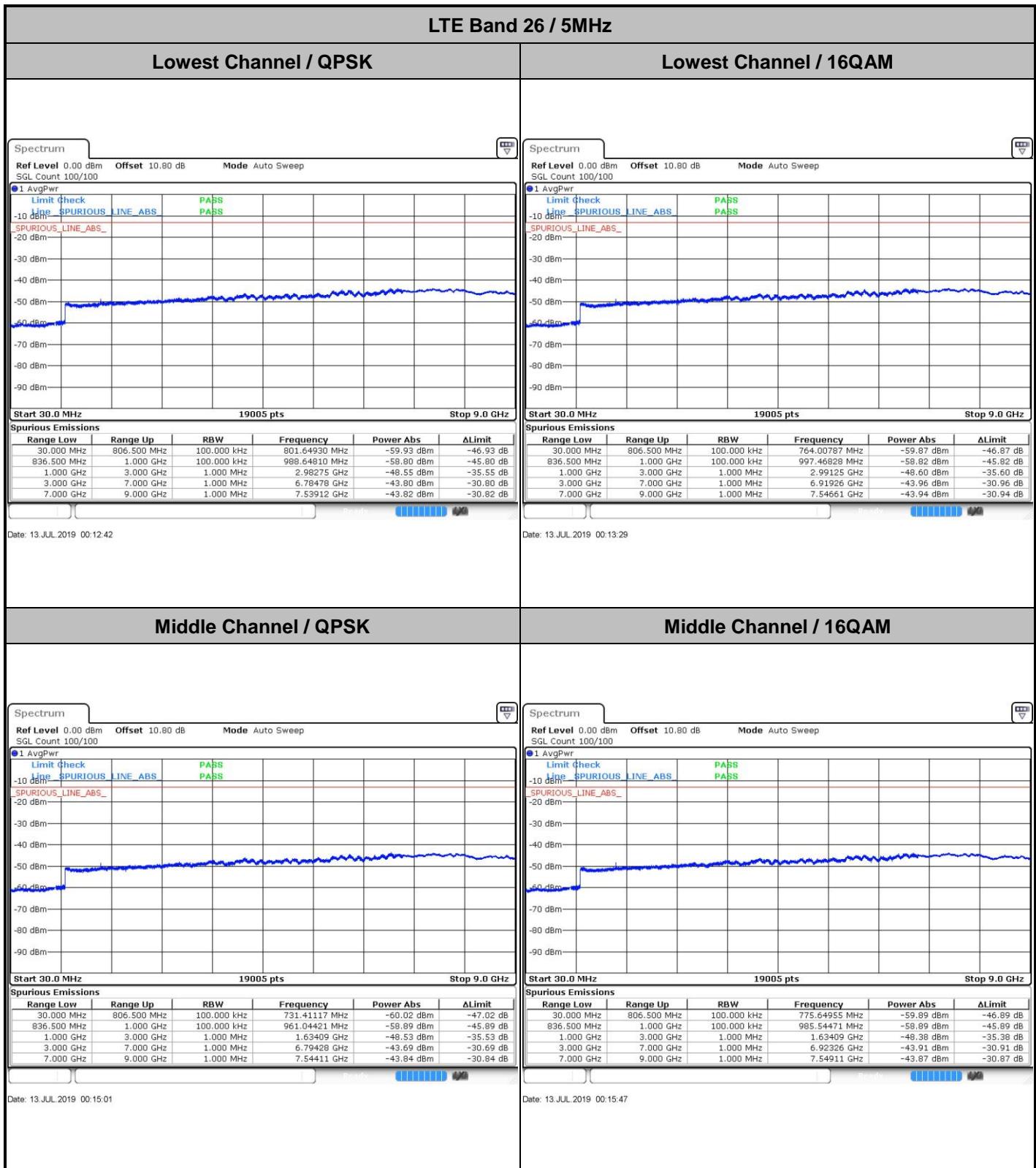
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





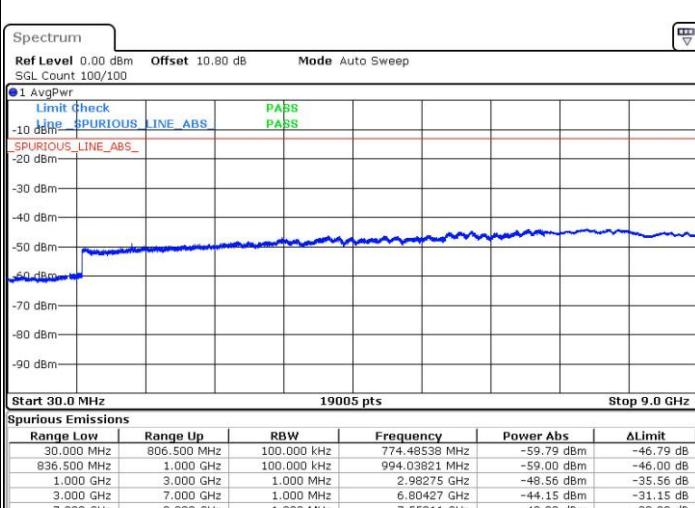
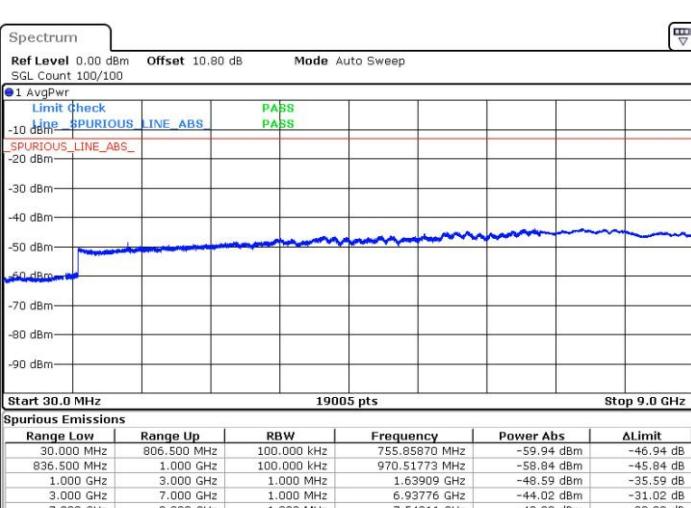




LTE Band 26 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



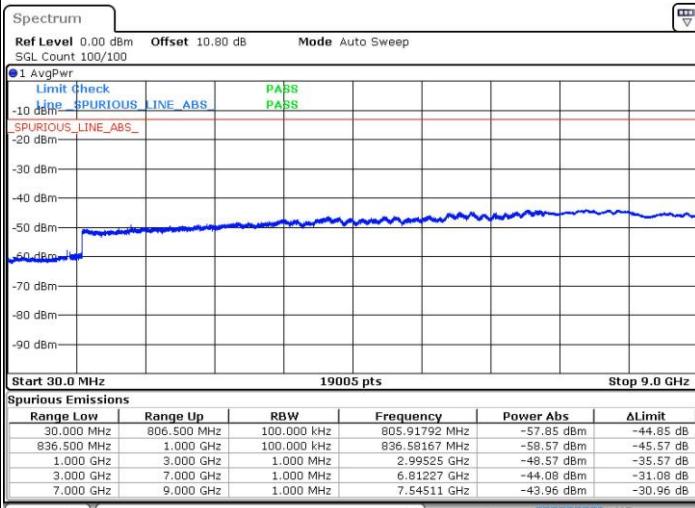
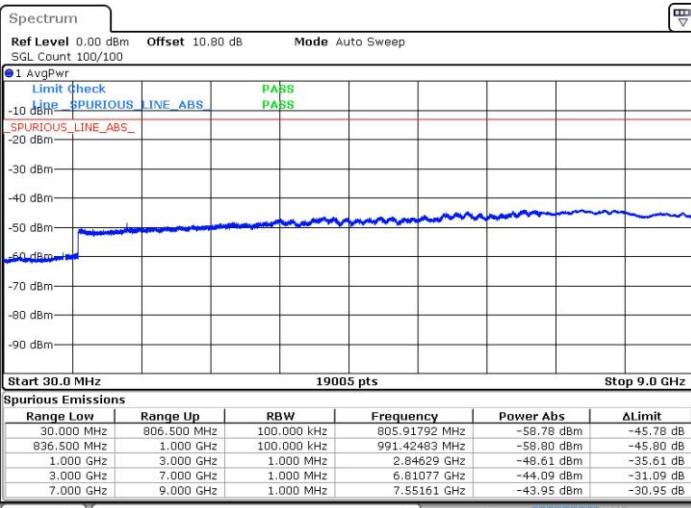
Date: 13.JUL.2019 00:17:20

Date: 13.JUL.2019 00:18:06

LTE Band 26 / 10MHz

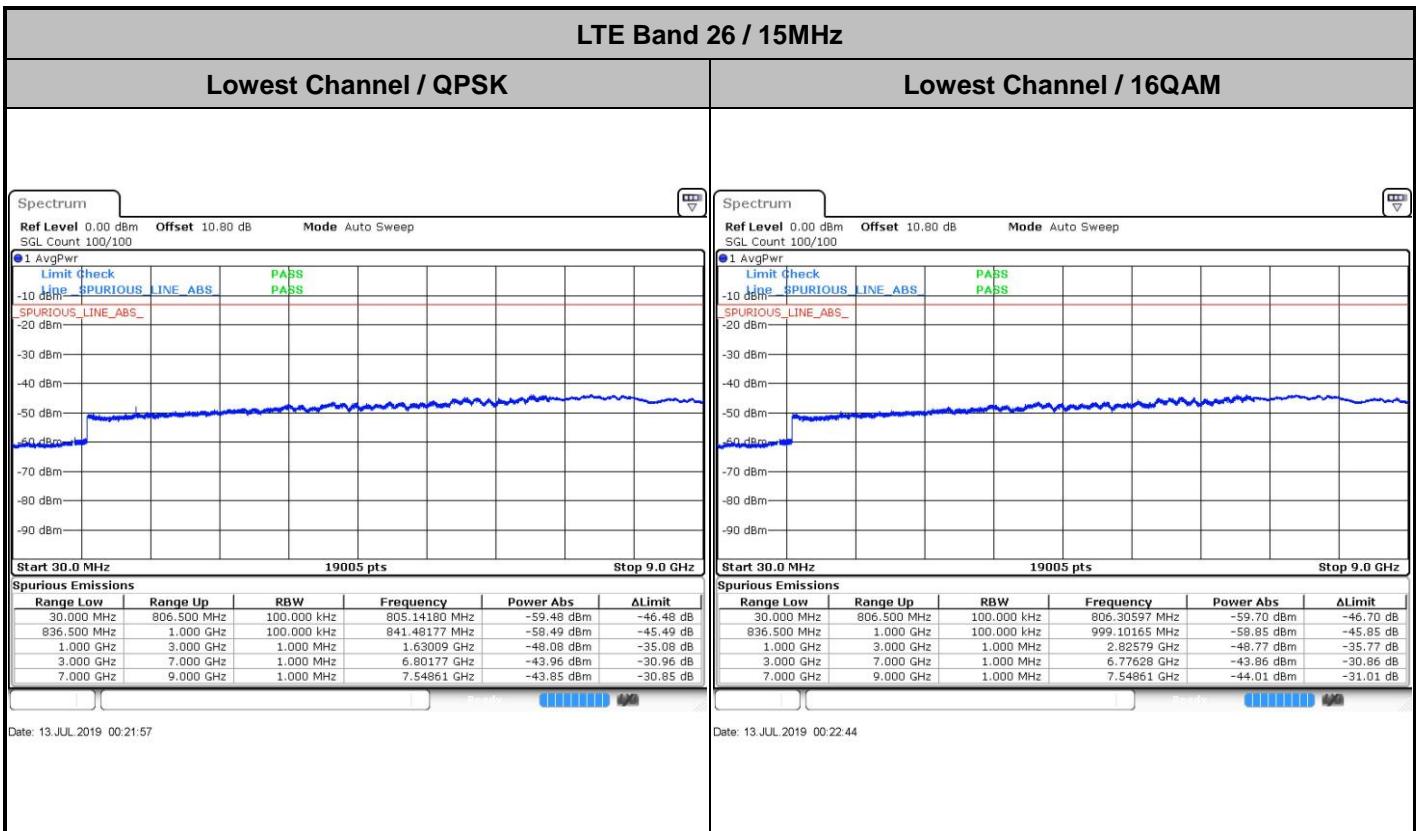
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 13.JUL.2019 00:19:38

Date: 13.JUL.2019 00:20:25

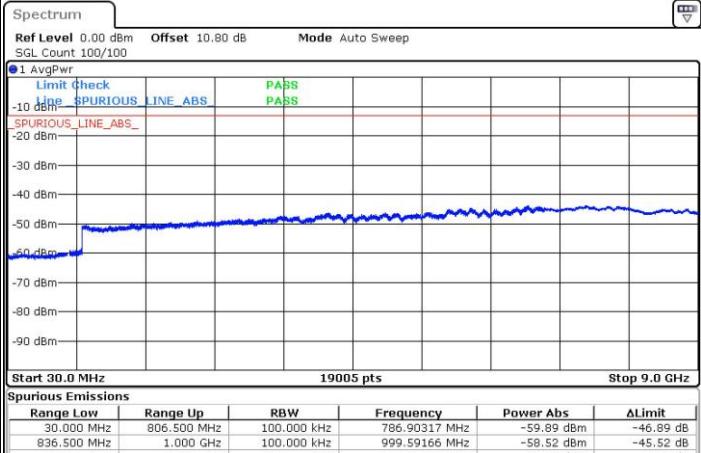
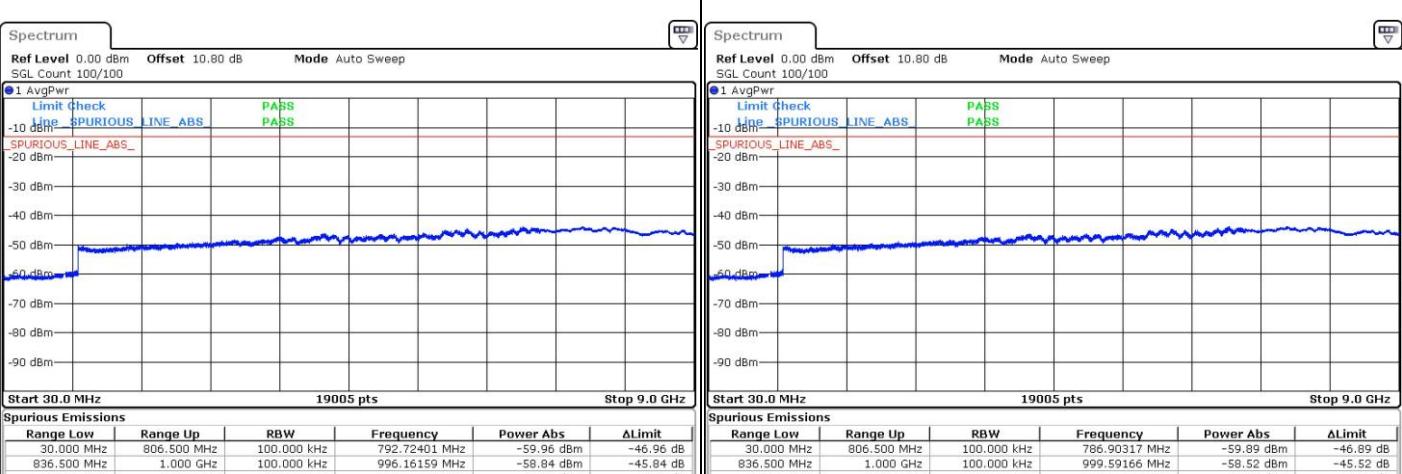




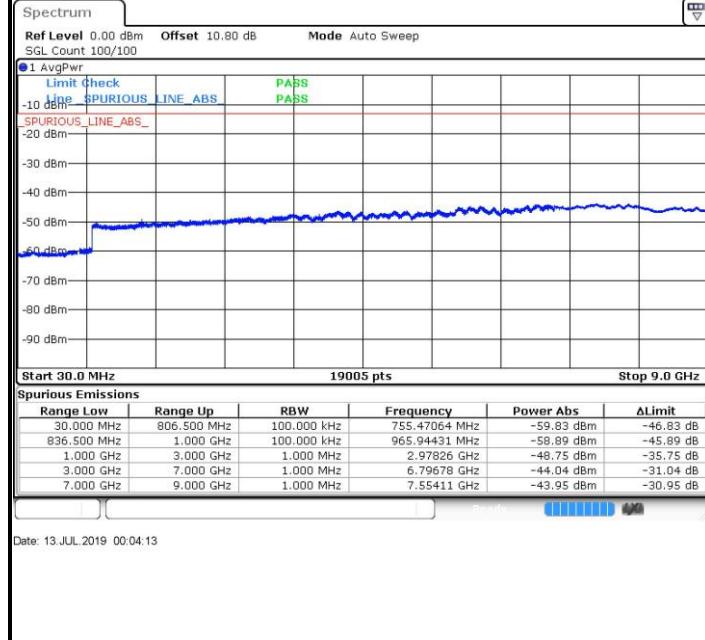
LTE Band 26 / 1.4MHz

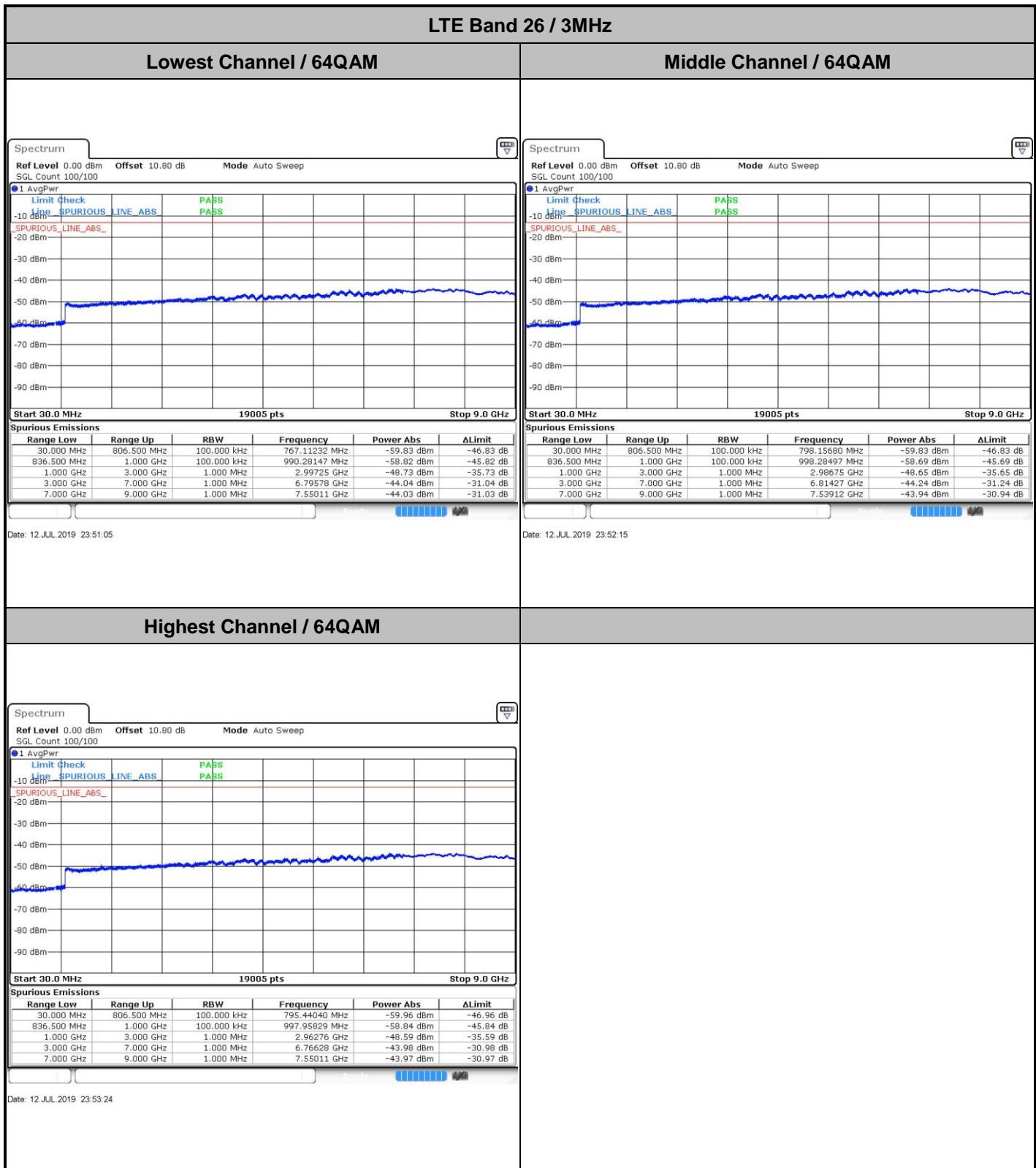
Lowest Channel / 64QAM

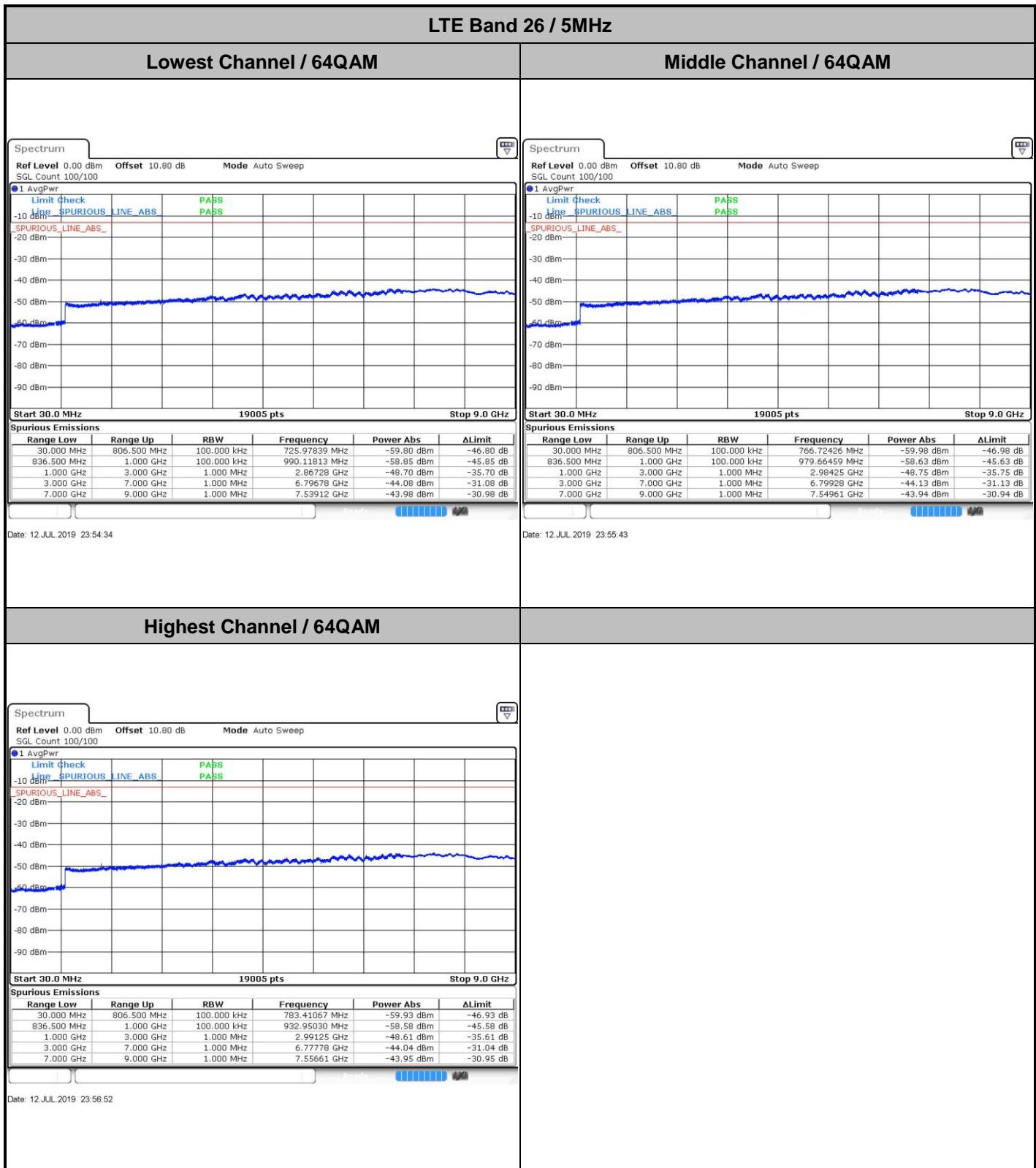
Middle Channel / 64QAM

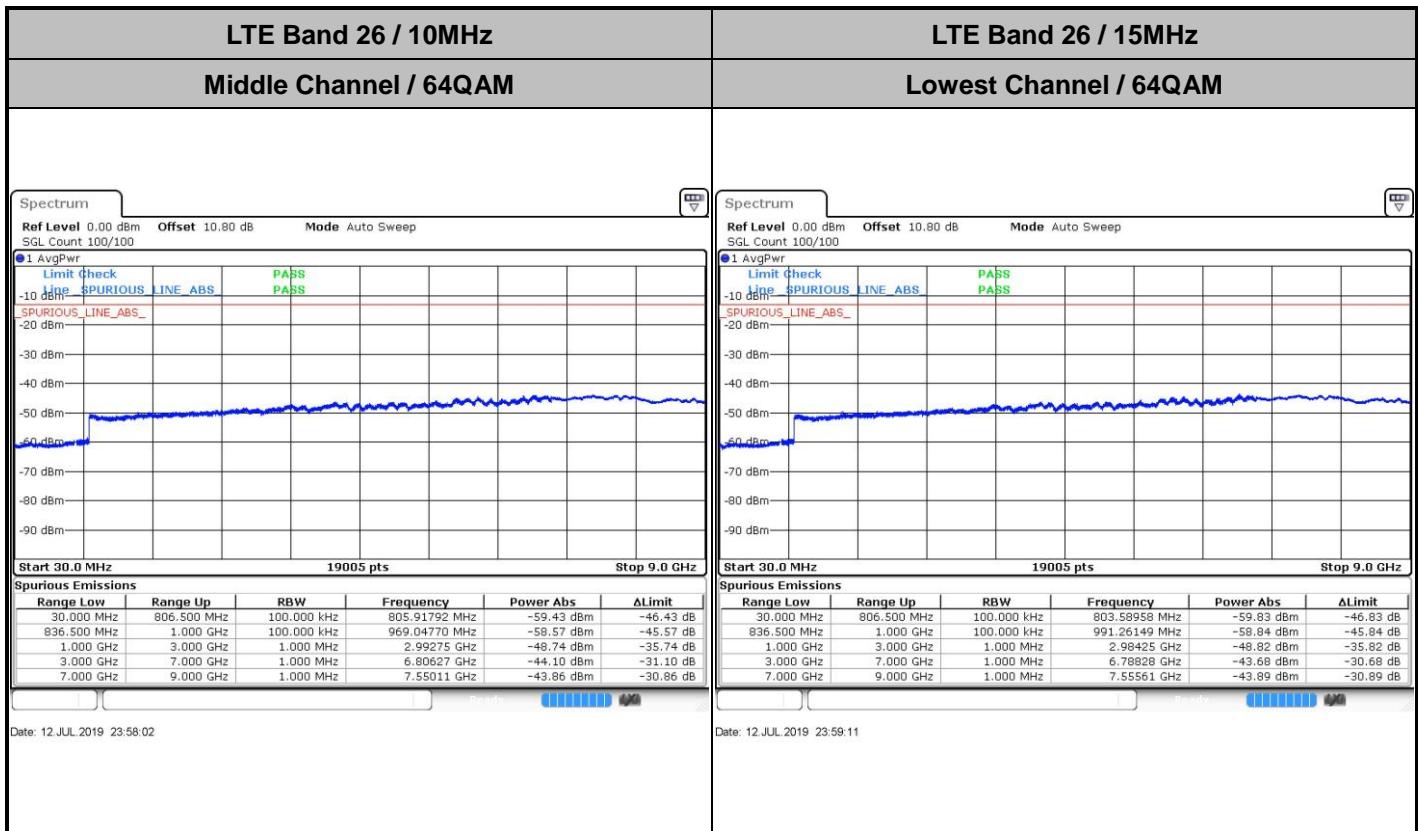


Highest Channel / 64QAM











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	0.0018	PASS
40	Normal Voltage	0.0088	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0089	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.85 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	0.0019	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0094	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0089	
20	Maximum Voltage	0.0114	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.85 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) (GT - LC = -4.82 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	74	23.53	0.23	16.56	0.05
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	37	22.89	0.19	15.92	0.04
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	37	21.78	0.15	14.81	0.03
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission****Part 90S LTE Band 26**

LTE Band 26 / 5MHz / 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	-57.08	-13	-44.08	-67.76	-62.41	1.22	8.70	H
	2440	-31.93	-13	-18.93	-46.53	-38.80	1.43	10.45	H
	4072	-51.02	-13	-38.02	-68.97	-58.86	2.11	12.10	H
	1632	-56.30	-13	-43.30	-66.84	-61.63	1.22	8.70	V
	2440	-28.97	-13	-15.97	-43.98	-35.84	1.43	10.45	V
	4072	-54.13	-13	-41.13	-72.6	-61.97	2.11	12.10	V
Middle	1632	-54.76	-13	-41.76	-65.44	-60.09	1.22	8.70	H
	2448	-37.72	-13	-24.72	-52.3	-44.60	1.43	10.46	H
	4088	-56.04	-13	-43.04	-73.98	-63.89	2.10	12.10	H
	1632	-53.70	-13	-40.70	-64.24	-59.03	1.22	8.70	V
	2448	-30.73	-13	-17.73	-45.69	-37.61	1.43	10.46	V
	4088	-54.25	-13	-41.25	-72.73	-62.10	2.10	12.10	V
Highest	1640	-58.24	-13	-45.24	-68.94	-63.60	1.22	8.73	H
	2456	-34.91	-13	-21.91	-49.47	-41.79	1.43	10.46	H
	4096	-56.78	-13	-43.78	-74.72	-64.63	2.10	12.10	H
	1640	-56.71	-13	-43.71	-67.28	-62.07	1.22	8.73	V
	2456	-29.97	-13	-16.97	-44.88	-36.85	1.43	10.46	V
	4096	-53.41	-13	-40.41	-71.9	-61.26	2.10	12.10	V

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



LTE Band 26 / 10MHz / 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)
Middle	1640	-51.84	-13	-38.84	-62.54	-57.20	1.22	8.73	H
	2456	-35.08	-13	-22.08	-49.64	-41.96	1.43	10.46	H
	4096	-53.34	-13	-40.34	-71.28	-61.19	2.10	12.10	H
	1640	-55.33	-13	-42.33	-65.9	-60.69	1.22	8.73	V
	2456	-29.34	-13	-16.34	-44.25	-36.22	1.43	10.46	V
	4096	-51.31	-13	-38.31	-69.8	-59.16	2.10	12.10	V

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

LTE Band 26 / 15MHz / 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	1656	-58.73	-13	-45.73	-69.46	-64.14	1.23	8.79	H
	2488	-38.81	-13	-25.81	-53.3	-45.71	1.44	10.49	H
	4144	-56.48	-13	-43.48	-74.39	-64.35	2.08	12.10	H
	1656	-56.41	-13	-43.41	-67.01	-61.82	1.23	8.79	V
	2488	-34.68	-13	-21.68	-49.41	-41.58	1.44	10.49	V
	4144	-56.82	-13	-43.82	-75.33	-64.69	2.08	12.10	V

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