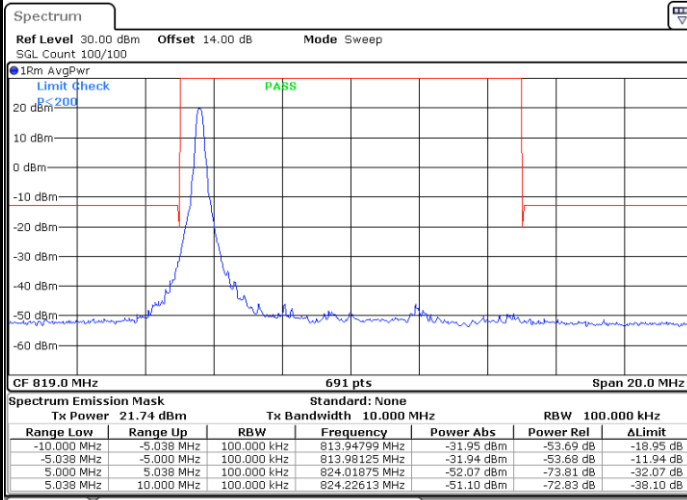




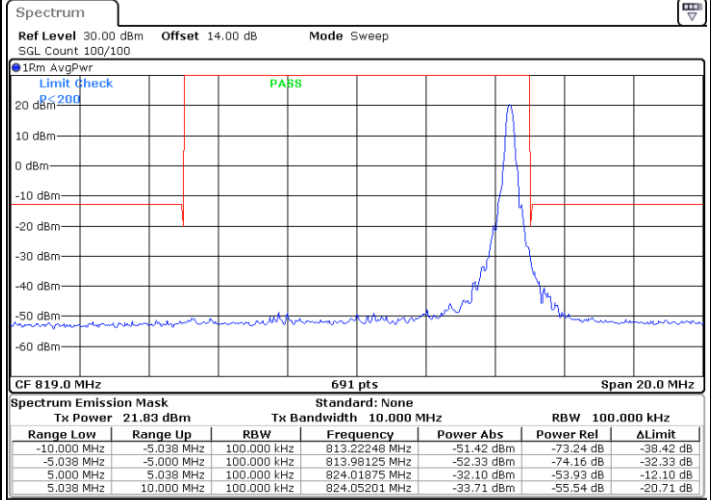
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



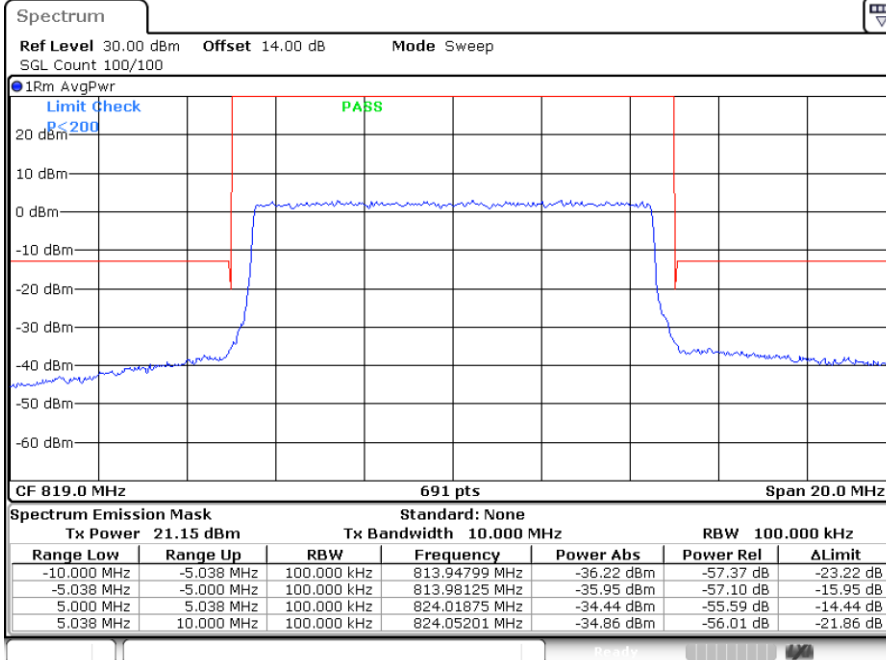
Date: 24.JUL.2019 09:35:59

Highest Band Edge / 1 RB



Date: 24.JUL.2019 09:38:15

Band Edge / Full RB



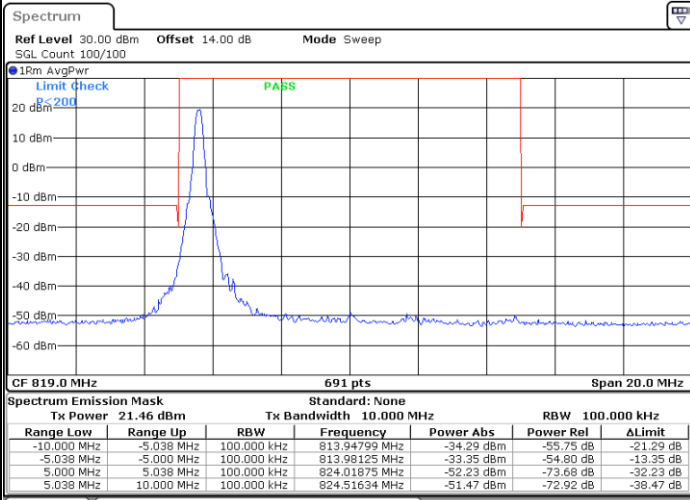
Date: 24.JUL.2019 09:40:32



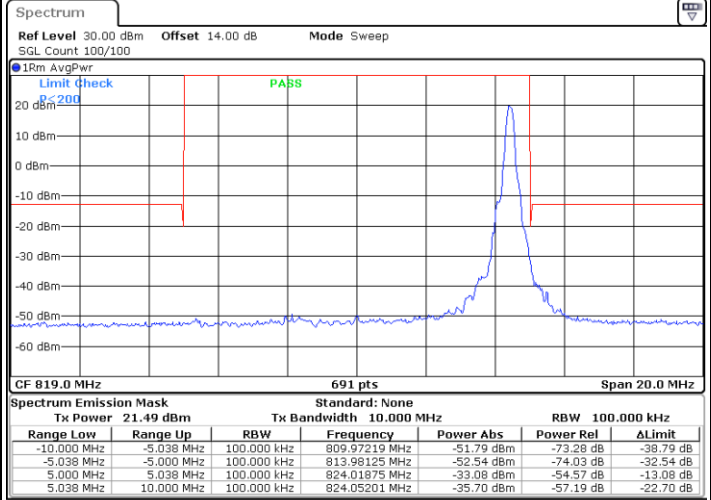
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

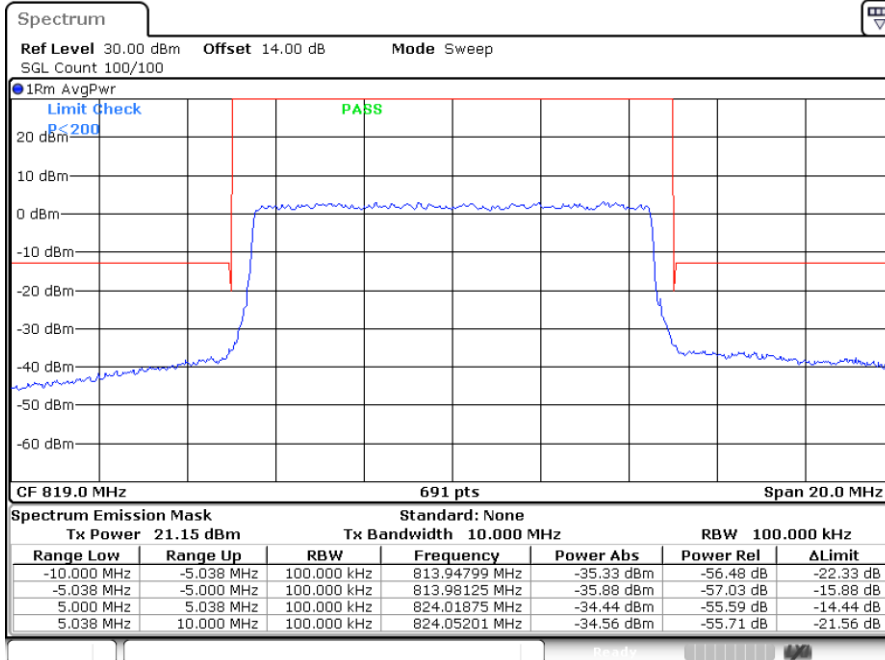


Date: 24.JUL.2019 10:21:43



Date: 24.JUL.2019 10:22:52

Band Edge / Full RB

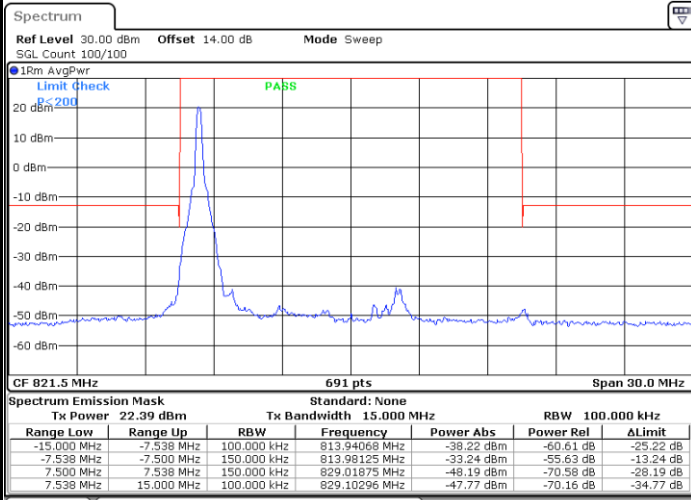


Date: 24.JUL.2019 10:24:00



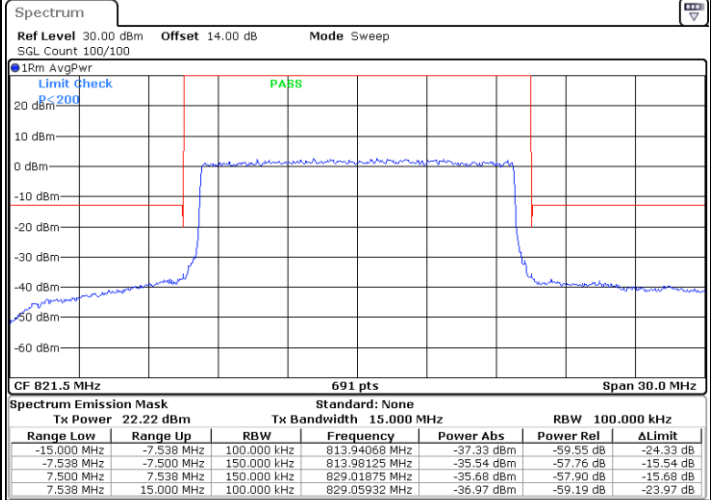
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 24.JUL.2019 09:46:47

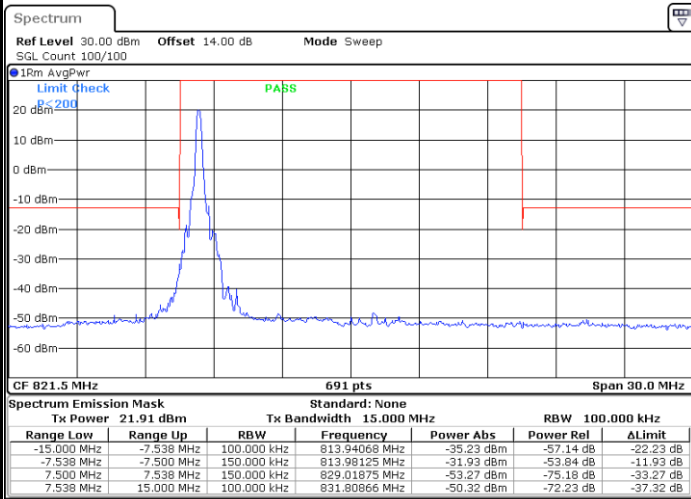
Lowest Band Edge / Full RB



Date: 24.JUL.2019 09:49:05

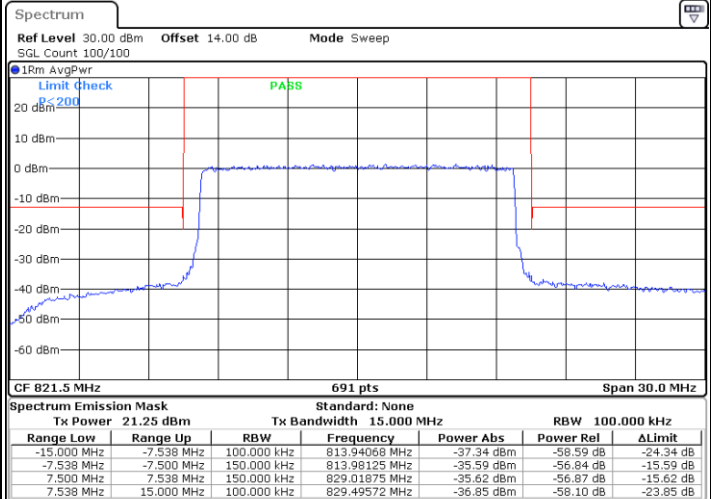
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB

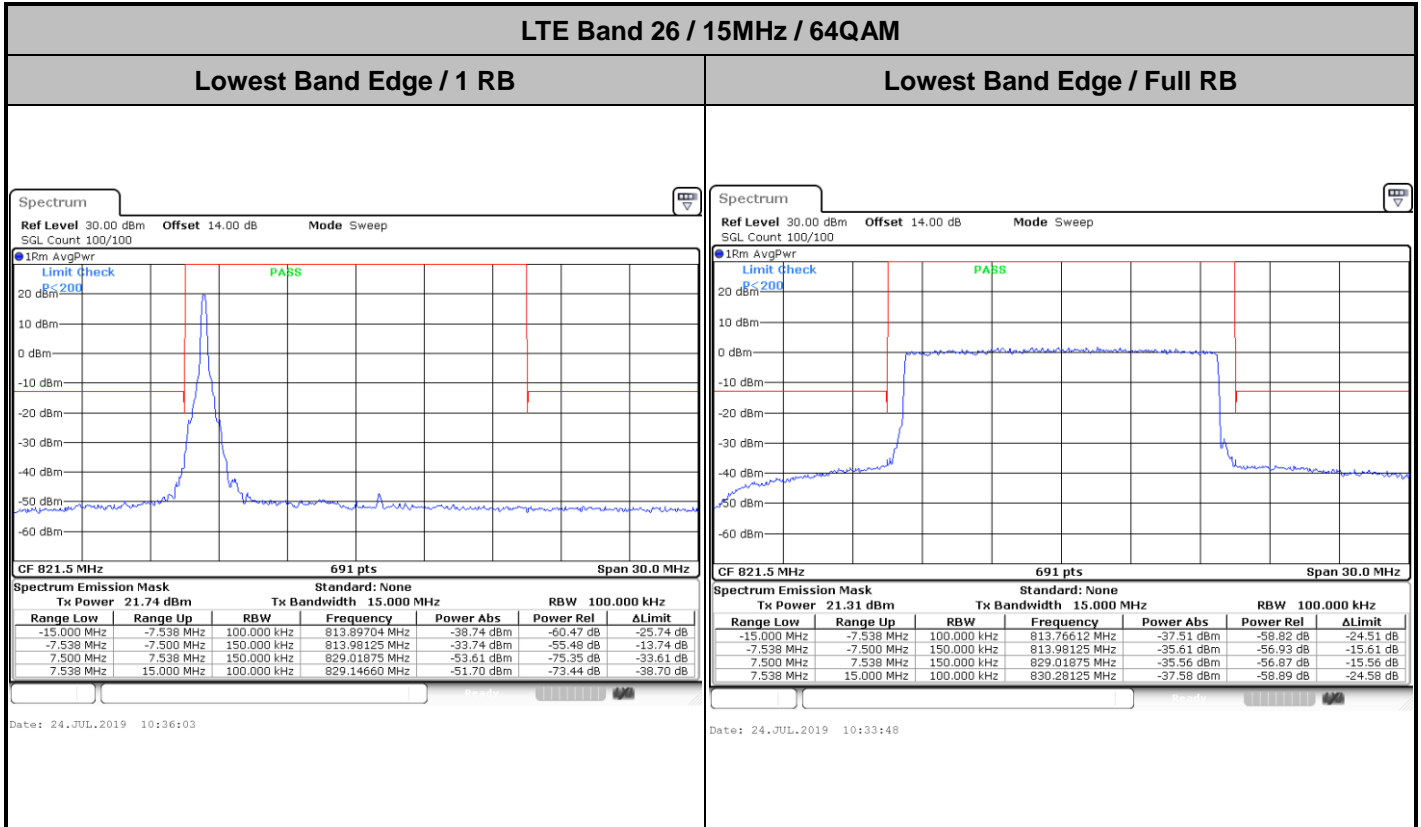


Date: 24.JUL.2019 09:47:56

Lowest Band Edge / Full RB

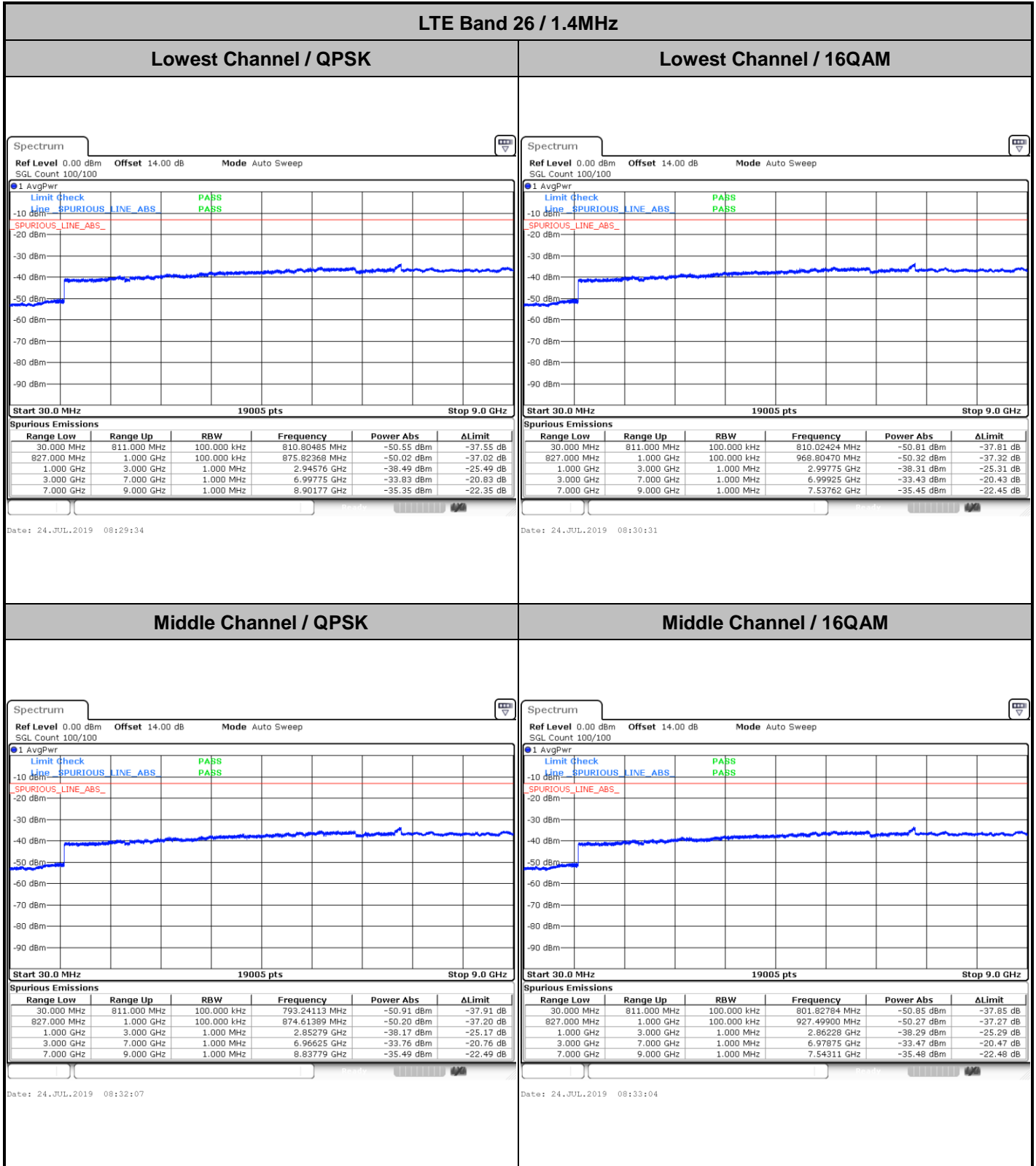


Date: 24.JUL.2019 09:50:14





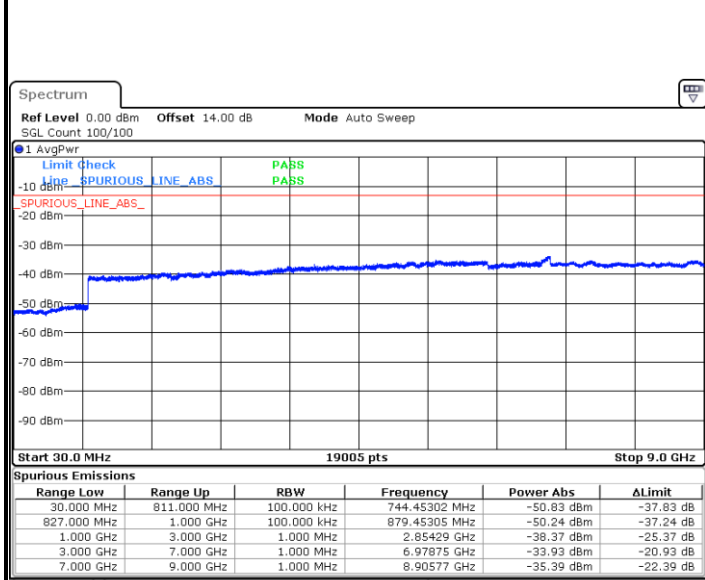
Conducted Spurious Emission





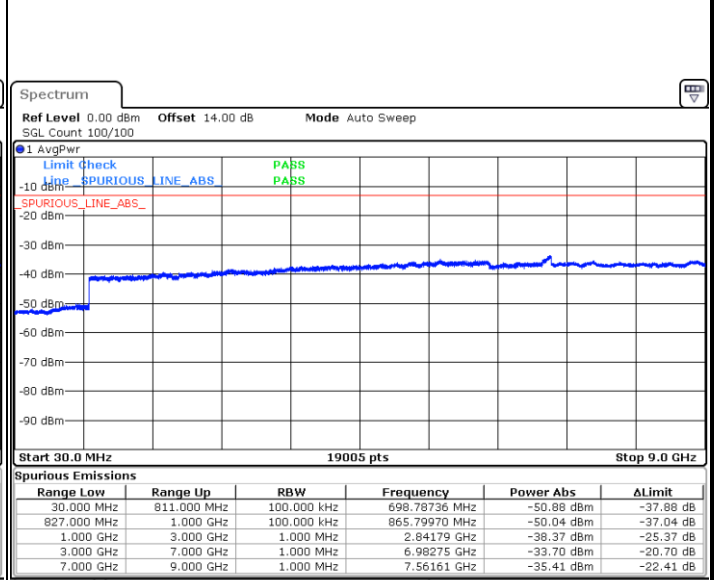
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 24.JUL.2019 08:34:41

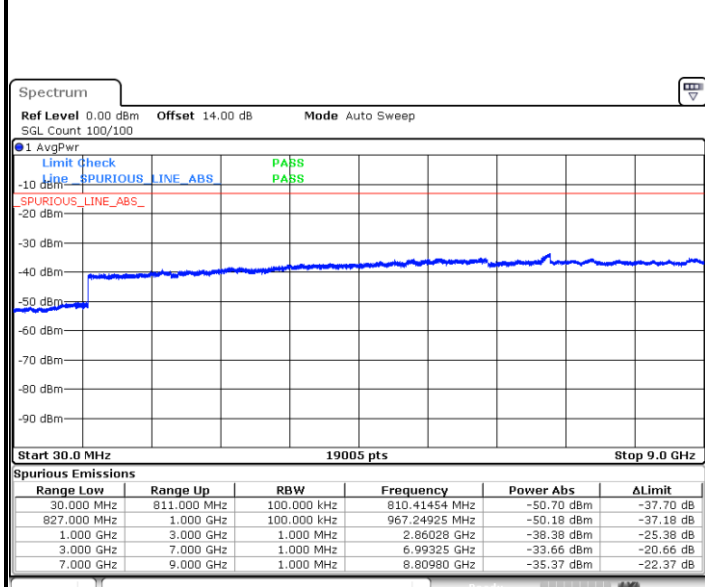
Highest Channel / 16QAM



Date: 24.JUL.2019 08:35:37

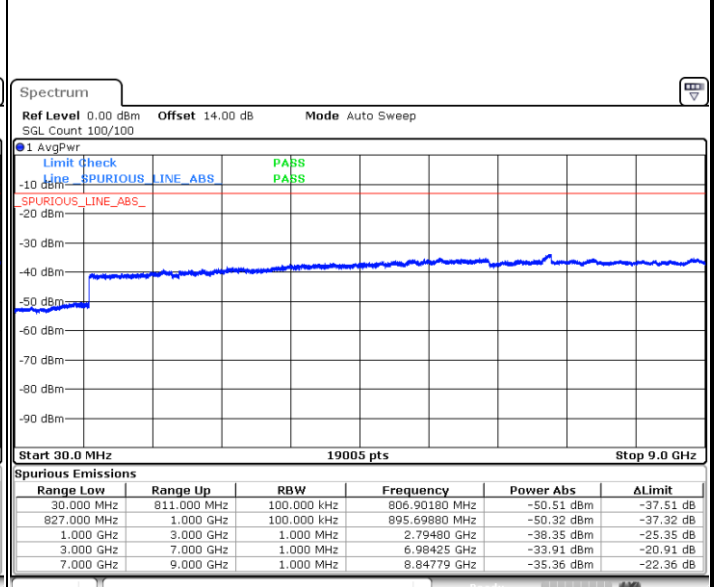
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 24.JUL.2019 08:37:14

Lowest Channel / 16QAM



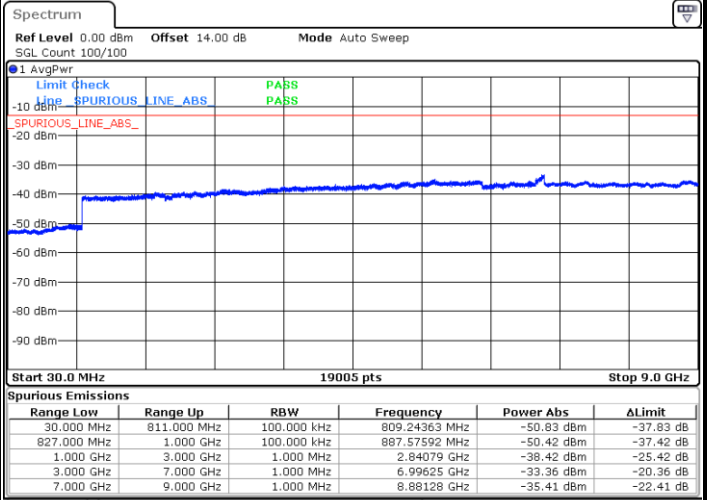
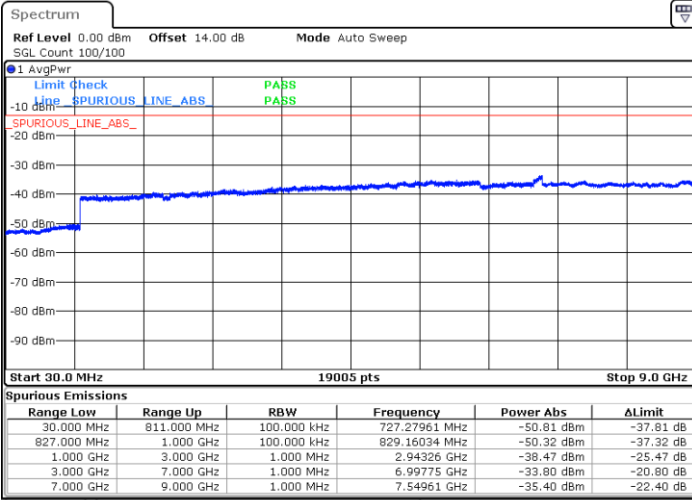
Date: 24.JUL.2019 08:38:11



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

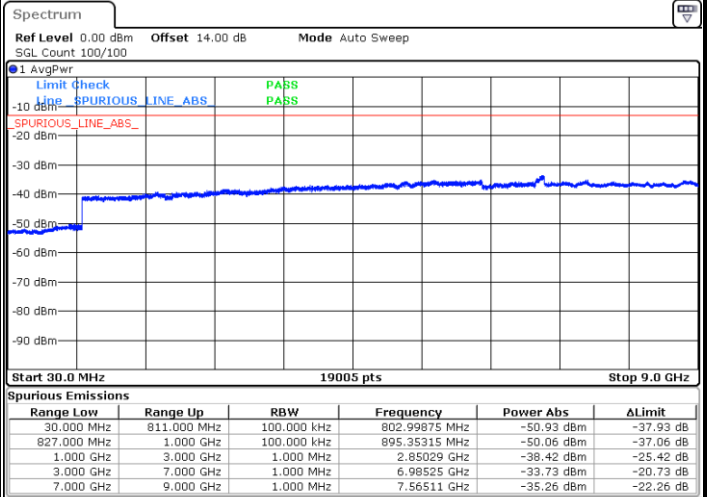
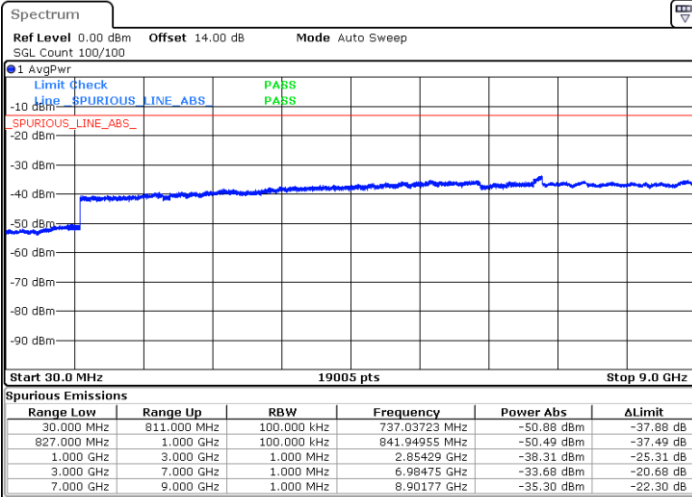


Date: 24.JUL.2019 08:39:47

Date: 24.JUL.2019 08:40:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24.JUL.2019 08:42:21

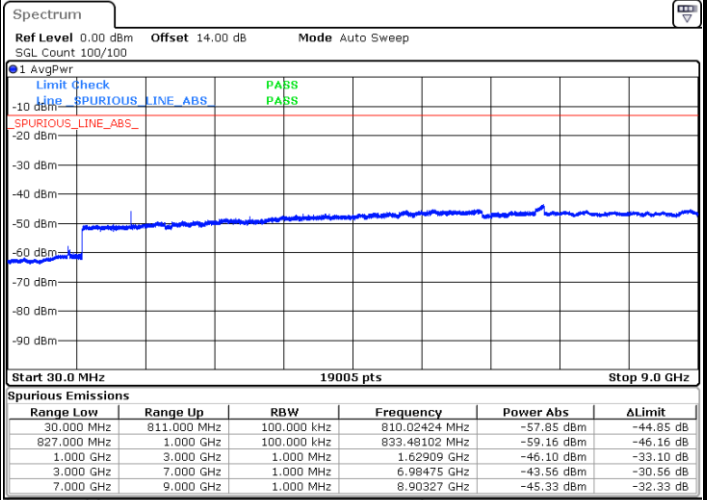
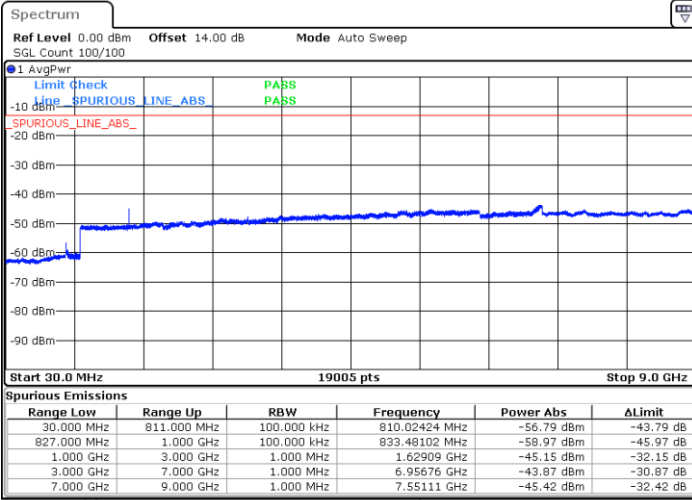
Date: 24.JUL.2019 08:43:17



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

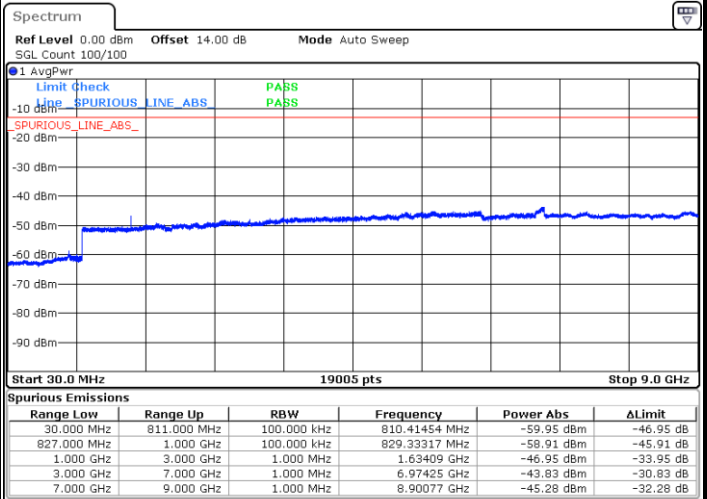
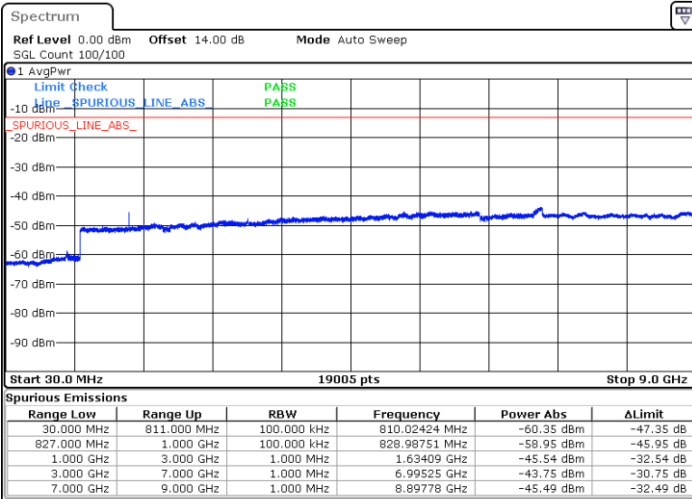


Date: 24.JUL.2019 08:44:54

Date: 24.JUL.2019 08:45:51

Middle Channel / QPSK

Middle Channel / 16QAM



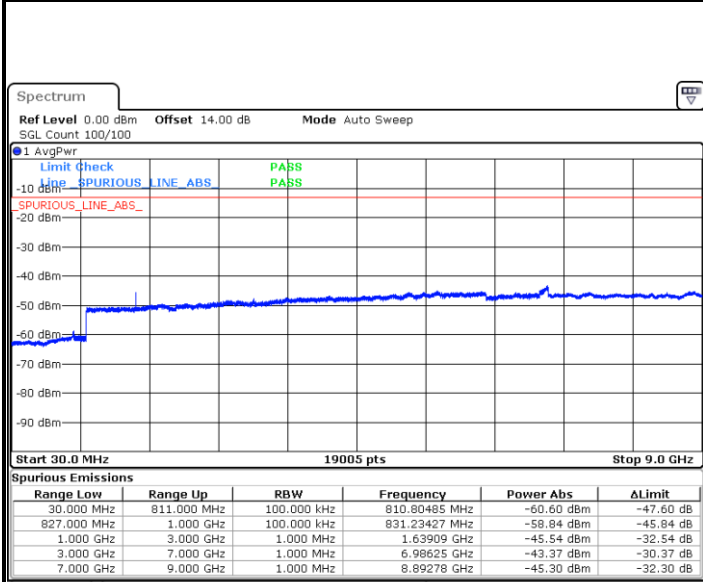
Date: 24.JUL.2019 08:52:35

Date: 24.JUL.2019 08:53:32



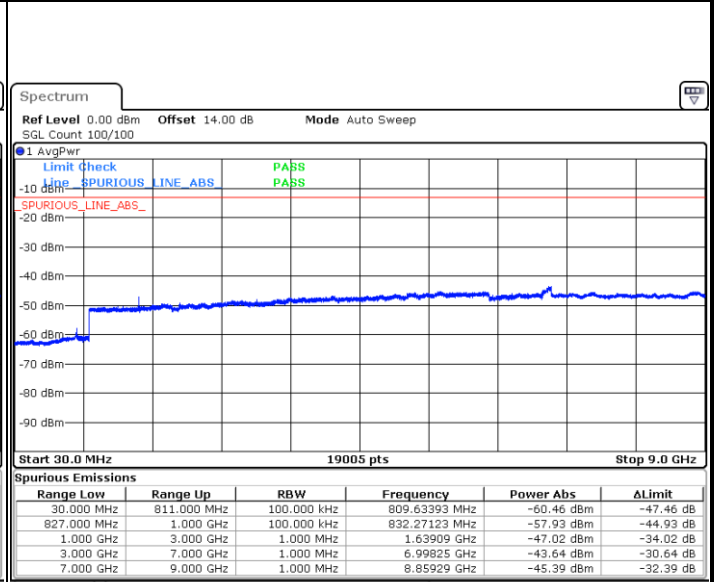
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 24.JUL.2019 08:50:02

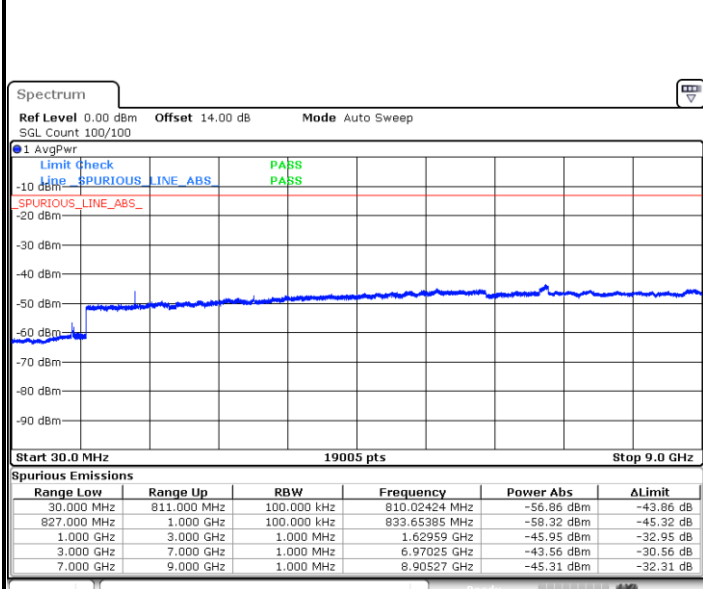
Highest Channel / 16QAM



Date: 24.JUL.2019 08:50:58

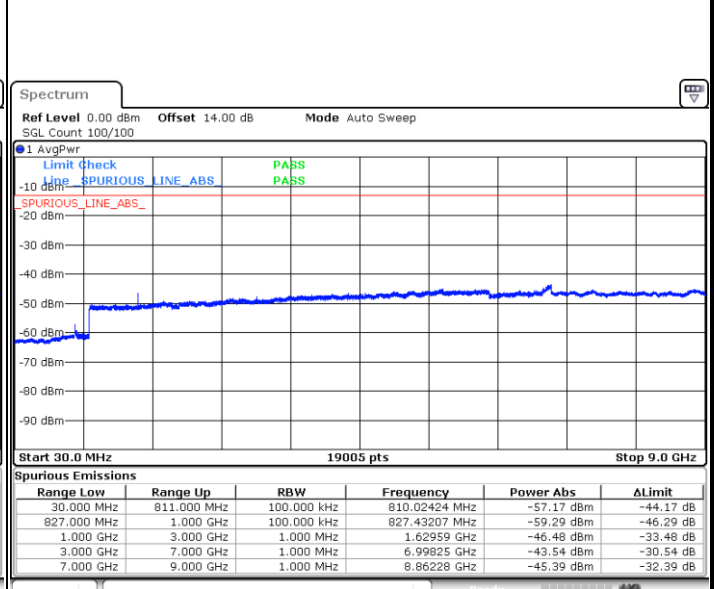
LTE Band 26 / 10MHz

Middle Channel / QPSK

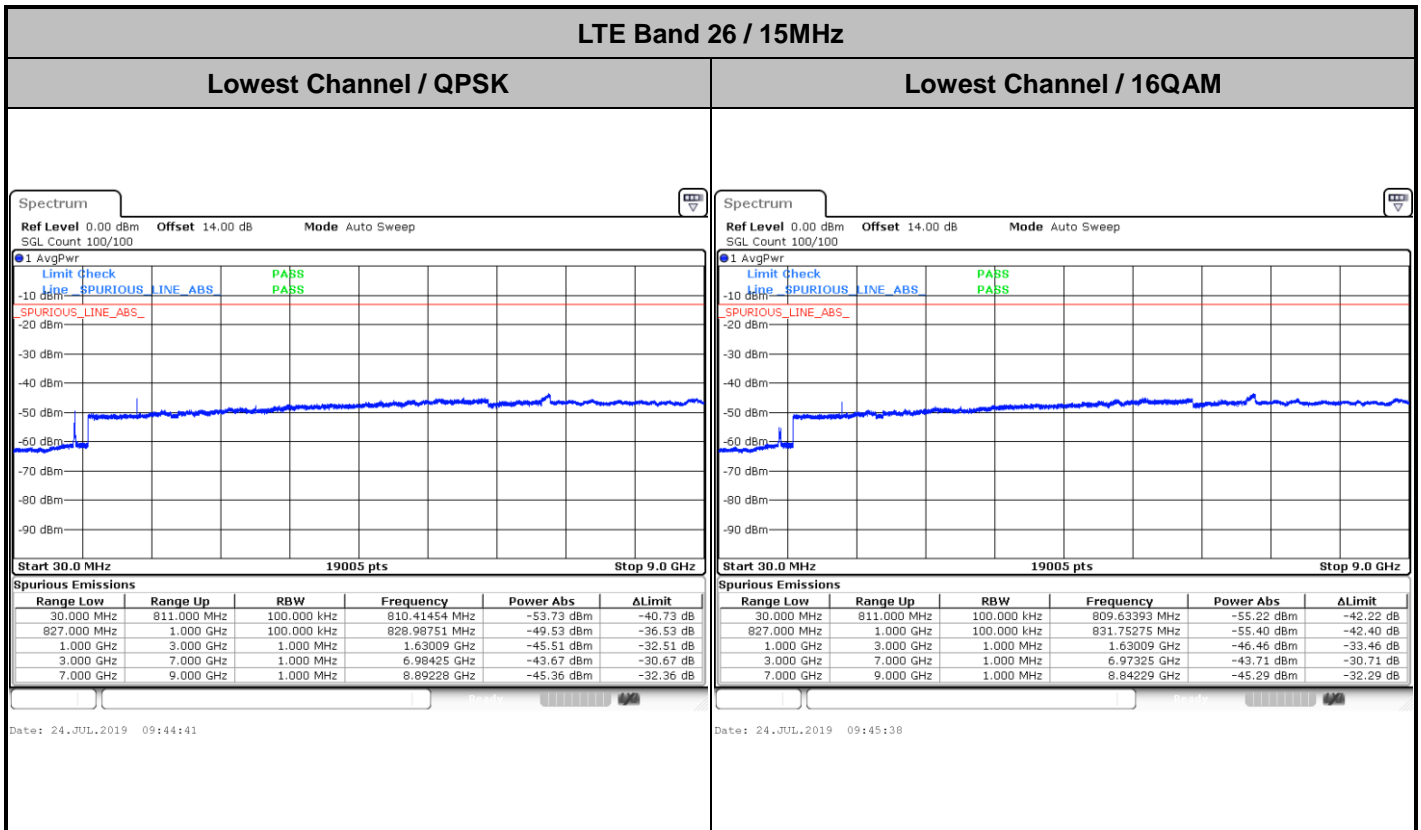


Date: 24.JUL.2019 10:38:20

Middle Channel / 16QAM



Date: 24.JUL.2019 10:41:19

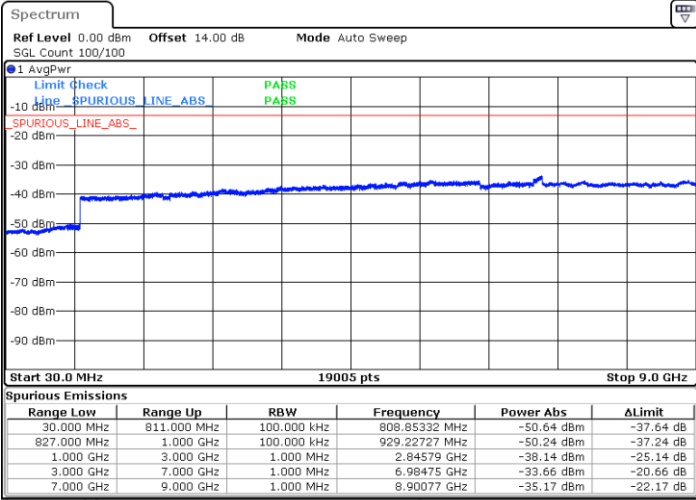




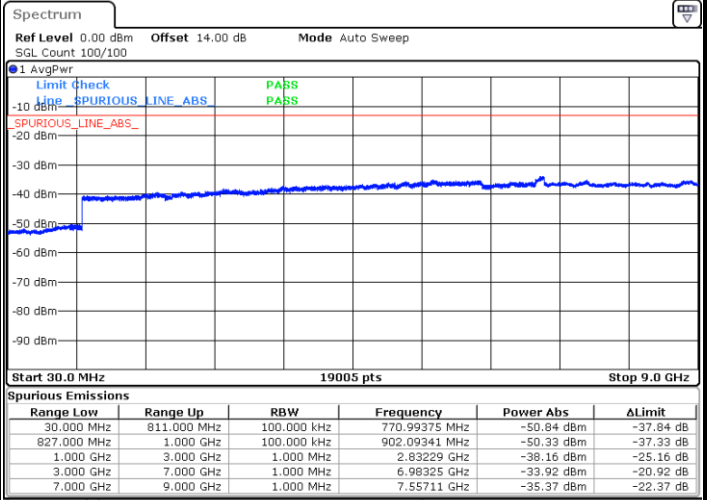
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

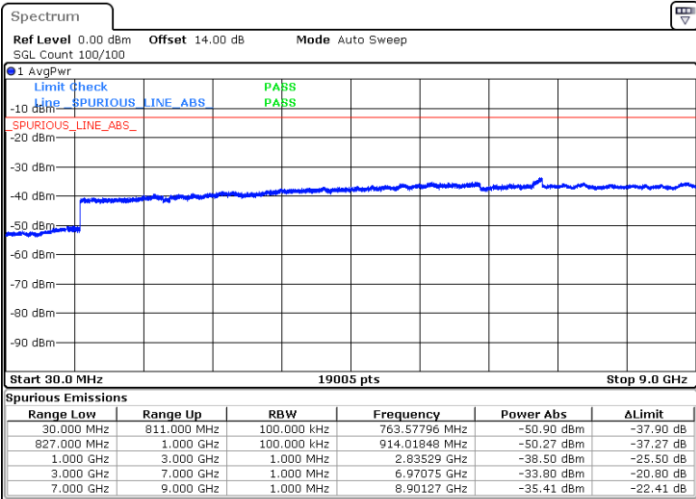


Date: 24.JUL.2019 09:57:30



Date: 24.JUL.2019 09:58:47

Highest Channel / 64QAM



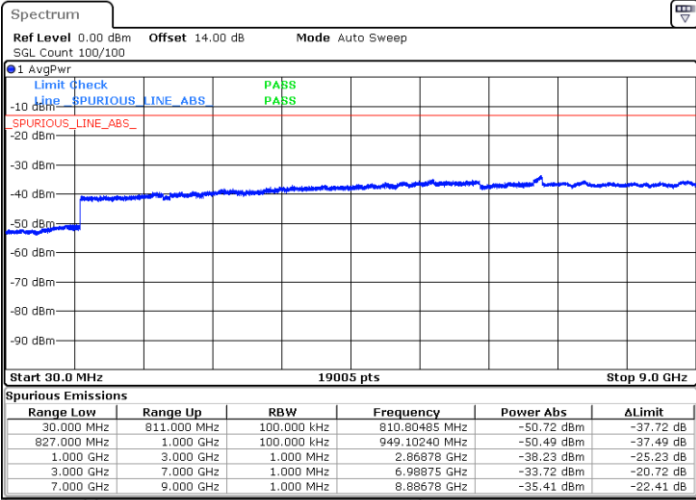
Date: 24.JUL.2019 10:02:21



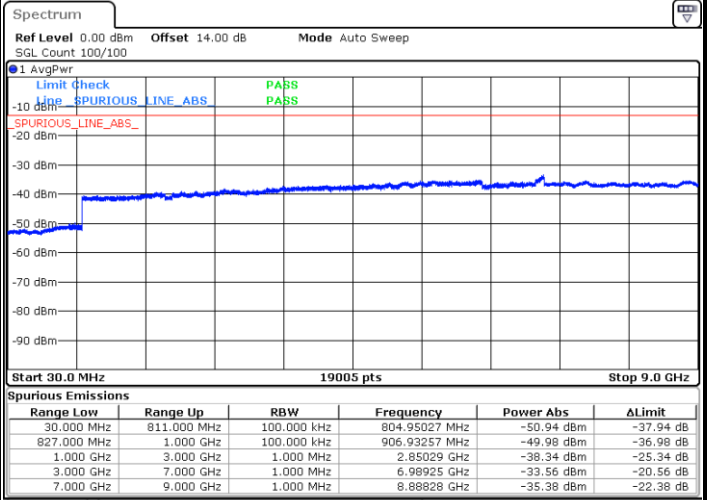
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

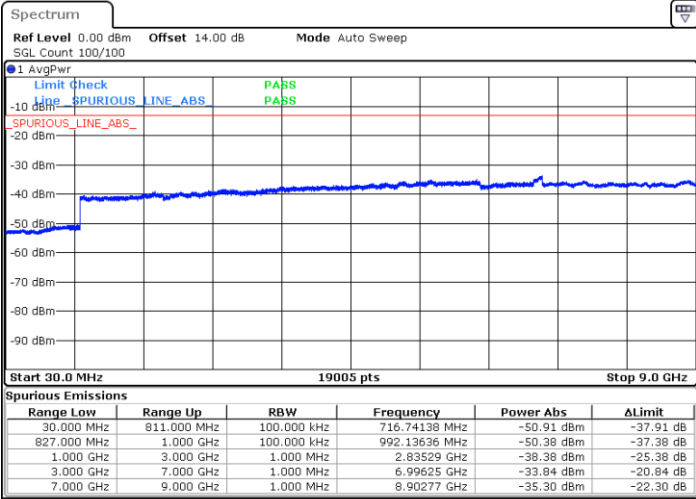


Date: 24.JUL.2019 10:05:58



Date: 24.JUL.2019 10:07:15

Highest Channel / 64QAM



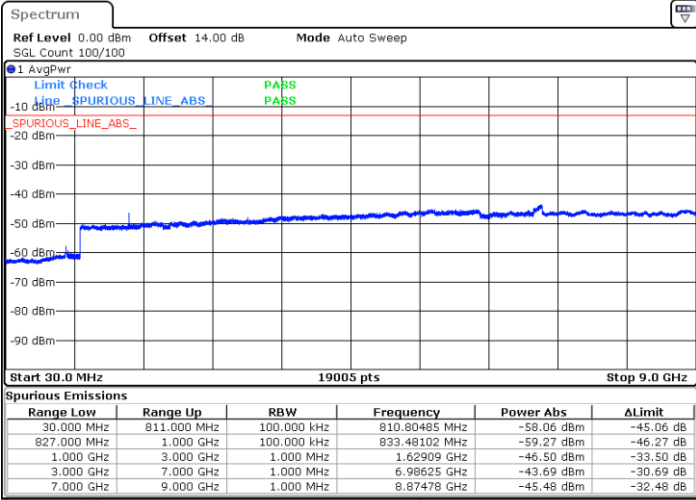
Date: 24.JUL.2019 10:10:52



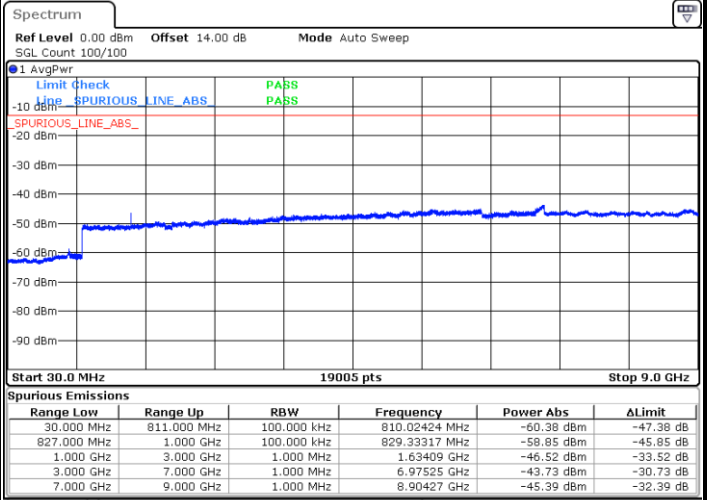
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

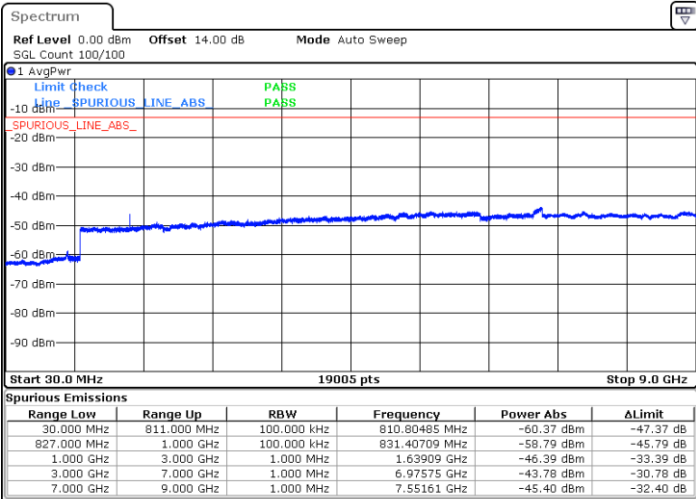


Date: 24.JUL.2019 10:14:26



Date: 24.JUL.2019 10:15:42

Highest Channel / 64QAM

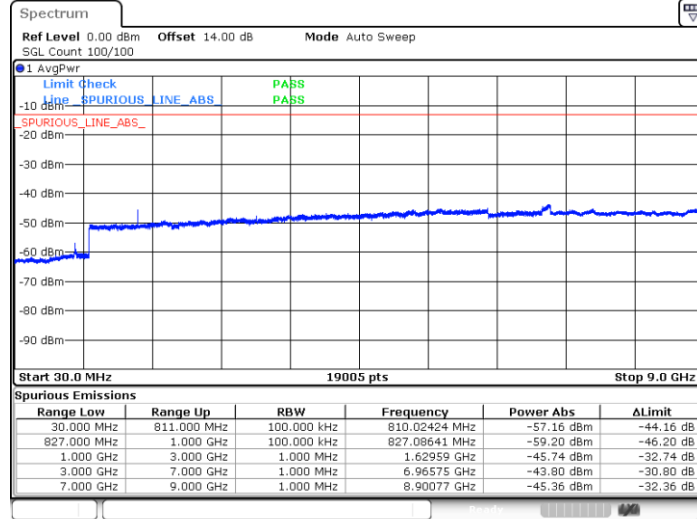


Date: 24.JUL.2019 10:19:18



LTE Band 26 / 10MHz

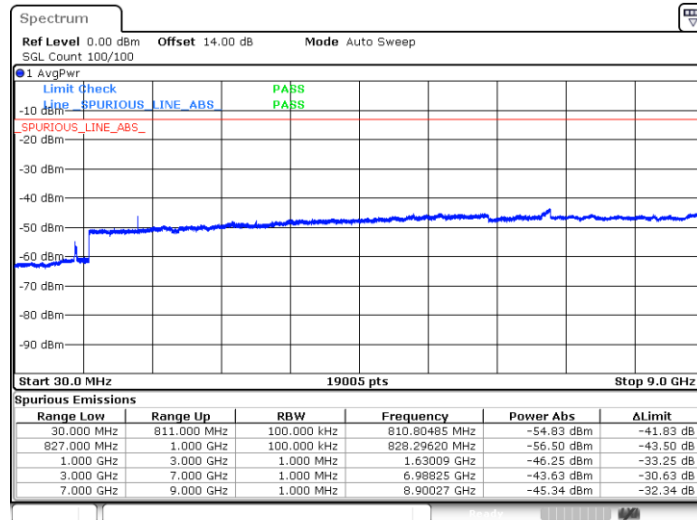
Middle Channel / 64QAM



Date: 24.JUL.2019 10:20:35

LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Date: 24.JUL.2019 10:32:39



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note: Normal Voltage =3.87 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.45 V.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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	1628.14	-67.80	-13	-54.80	-77.00	-71.03	3.98	9.36	H
	2442.21	-51.46	-13	-38.46	-64.98	-55.01	4.85	10.55	H
	3256.28	-64.24	-13	-51.24	-79.89	-69.17	5.50	12.58	H
	1628.14	-67.82	-13	-54.82	-76.57	-71.05	3.98	9.36	V
	2442.21	-53.55	-13	-40.55	-67.08	-57.10	4.85	10.55	V
	3256.28	-64.23	-13	-51.23	-80.01	-69.16	5.50	12.58	V
Middle	1636.74	-67.71	-13	-54.71	-76.91	-70.96	4.00	9.40	H
	2455.11	-52.12	-13	-39.12	-65.62	-55.69	4.88	10.60	H
	3273.48	-64.26	-13	-51.26	-79.88	-69.19	5.52	12.60	H
	1636.74	-68.21	-13	-55.21	-76.96	-71.46	4.00	9.40	V
	2455.11	-52.27	-13	-39.27	-65.74	-55.84	4.88	10.60	V
	3273.48	-64.39	-13	-51.39	-80.11	-69.32	5.52	12.60	V
Highest	1645.34	-67.00	-13	-54.00	-76.07	-70.17	4.10	9.42	H
	2468.01	-49.54	-13	-36.54	-63.06	-53.12	4.90	10.63	H
	3290.68	-64.42	-13	-51.42	-80.00	-69.34	5.55	12.62	H
	1645.34	-67.83	-13	-54.83	-76.53	-71.00	4.10	9.42	V
	2468.01	-50.75	-13	-37.75	-64.24	-54.33	4.90	10.63	V
	3290.68	-64.37	-13	-51.37	-80.02	-69.29	5.55	12.62	V

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



LTE Band 26 / 3MHz / 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	1628.3	-64.36	-13	-51.36	-73.56	-67.59	3.98	9.36	H
	2442.45	-39.58	-13	-26.58	-53.10	-43.13	4.85	10.55	H
	3256.6	-64.34	-13	-51.34	-79.99	-69.27	5.50	12.58	H
	1628.3	-64.45	-13	-51.45	-73.20	-67.68	3.98	9.36	V
	2442.45	-43.69	-13	-30.69	-57.22	-47.24	4.85	10.55	V
	3256.6	-64.26	-13	-51.26	-80.04	-69.19	5.50	12.58	V
Middle	1635.3	-63.92	-13	-50.92	-73.12	-67.17	4.00	9.40	H
	2452.95	-39.95	-13	-26.95	-53.47	-43.52	4.88	10.60	H
	3270.6	-64.47	-13	-51.47	-80.09	-69.40	5.52	12.60	H
	1635.3	-64.20	-13	-51.20	-72.95	-67.45	4.00	9.40	V
	2452.95	-44.07	-13	-31.07	-57.60	-47.64	4.88	10.60	V
	3270.6	-64.27	-13	-51.27	-79.99	-69.20	5.52	12.60	V
Highest	1642.3	-61.69	-13	-48.69	-70.76	-64.86	4.10	9.42	H
	2463.45	-39.79	-13	-26.79	-53.29	-43.37	4.90	10.63	H
	3284.6	-64.45	-13	-51.45	-80.07	-69.37	5.55	12.62	H
	1642.3	-62.01	-13	-49.01	-70.71	-65.18	4.10	9.42	V
	2463.45	-43.63	-13	-30.63	-57.10	-47.21	4.90	10.63	V
	3284.6	-64.32	-13	-51.32	-80.04	-69.24	5.55	12.62	V

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



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	1628.5	-67.84	-13	-54.84	-77.04	-71.07	3.98	9.36	H
	2442.75	-47.03	-13	-34.03	-60.55	-50.58	4.85	10.55	H
	3257	-64.34	-13	-51.34	-79.99	-69.27	5.50	12.58	H
	1628.5	-68.39	-13	-55.39	-77.14	-71.62	3.98	9.36	V
	2442.75	-46.56	-13	-33.56	-60.09	-50.11	4.85	10.55	V
	3257	-64.18	-13	-51.18	-79.96	-69.11	5.50	12.58	V
Middle	1633.5	-67.37	-13	-54.37	-76.57	-70.62	4.00	9.40	H
	2450.25	-47.63	-13	-34.63	-61.15	-51.20	4.88	10.60	H
	3267	-64.48	-13	-51.48	-80.13	-69.41	5.52	12.60	H
	1633.5	-68.32	-13	-55.32	-77.07	-71.57	4.00	9.40	V
	2450.25	-51.09	-13	-38.09	-64.62	-54.66	4.88	10.60	V
	3267	-64.28	-13	-51.28	-80.06	-69.21	5.52	12.60	V
Highest	1638.5	-64.55	-13	-51.55	-73.62	-67.72	4.10	9.42	H
	2457.75	-41.33	-13	-28.33	-54.83	-44.91	4.90	10.63	H
	3277	-64.33	-13	-51.33	-79.95	-69.25	5.55	12.62	H
	1638.5	-66.18	-13	-53.18	-74.88	-69.35	4.10	9.42	V
	2457.75	-43.23	-13	-30.23	-56.70	-46.81	4.90	10.63	V
	3277	-64.21	-13	-51.21	-79.93	-69.13	5.55	12.62	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	1629	-67.50	-13	-54.50	-76.70	-70.75	4.00	9.40	H
	2443.5	-48.23	-13	-35.23	-61.75	-51.80	4.88	10.60	H
	3258	-64.44	-13	-51.44	-80.09	-69.37	5.52	12.60	H
	1629	-68.08	-13	-55.08	-76.83	-71.33	4.00	9.40	V
	2443.5	-51.36	-13	-38.36	-64.89	-54.93	4.88	10.60	V
	3258	-64.07	-13	-51.07	-79.85	-69.00	5.52	12.60	V

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