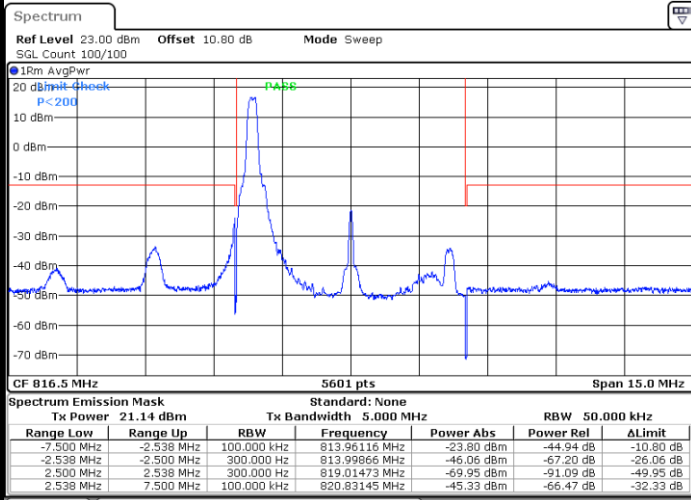




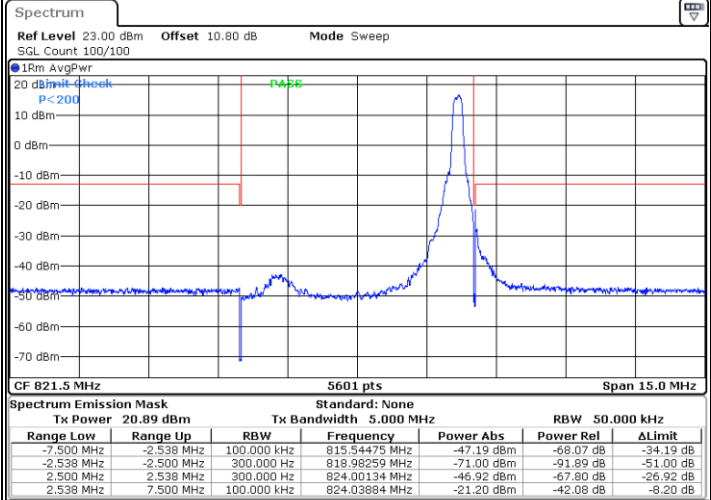
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



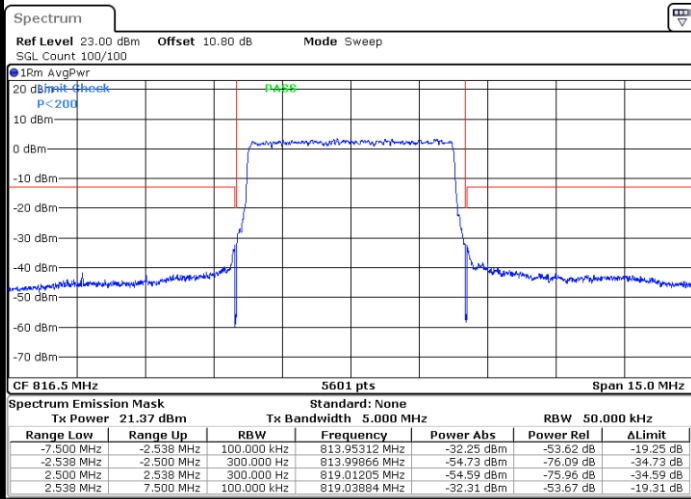
Date: 3.FEB.2020 19:05:42

Highest Band Edge / 1 RB



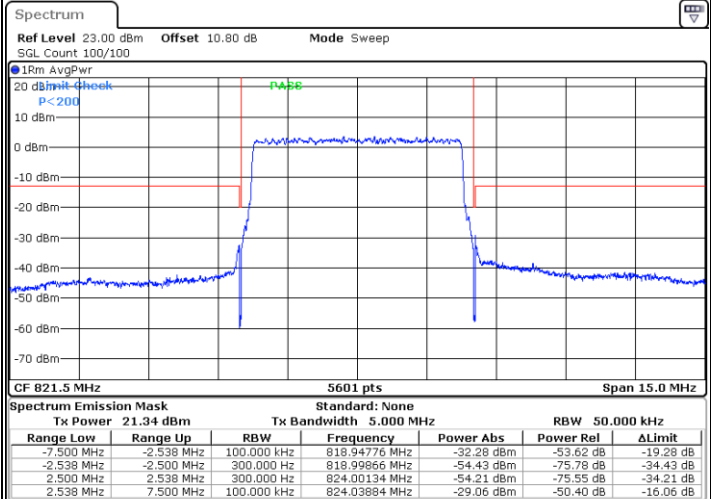
Date: 3.FEB.2020 19:09:52

Lowest Band Edge / Full RB



Date: 3.FEB.2020 19:07:47

Highest Band Edge / Full RB

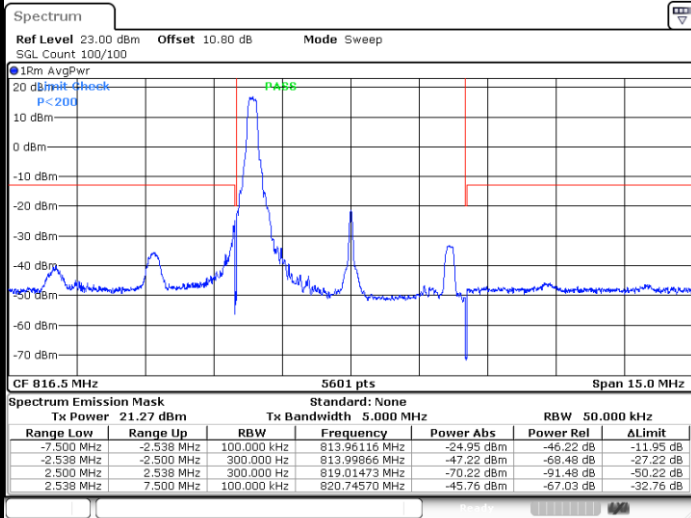


Date: 3.FEB.2020 19:11:58



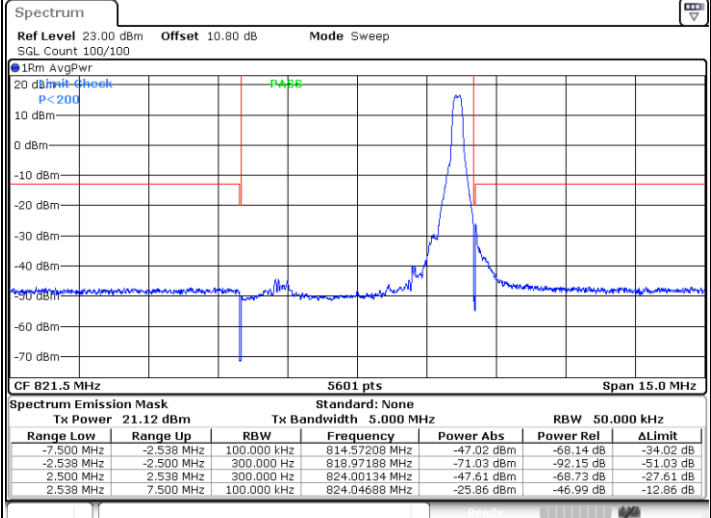
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



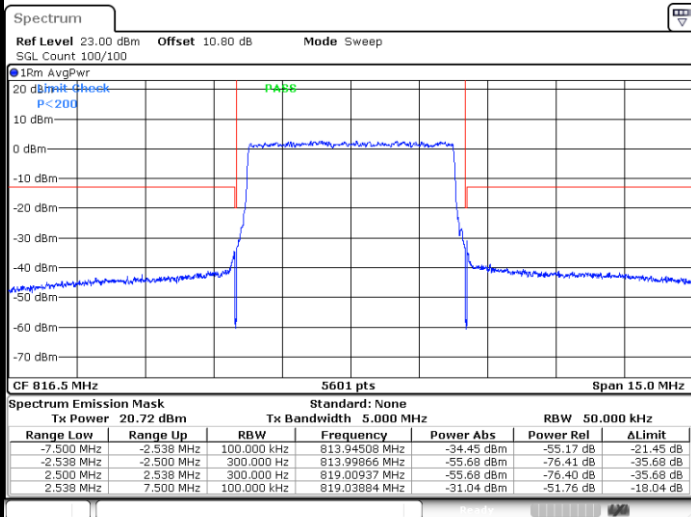
Date: 3.FEB.2020 19:06:45

Highest Band Edge / 1 RB



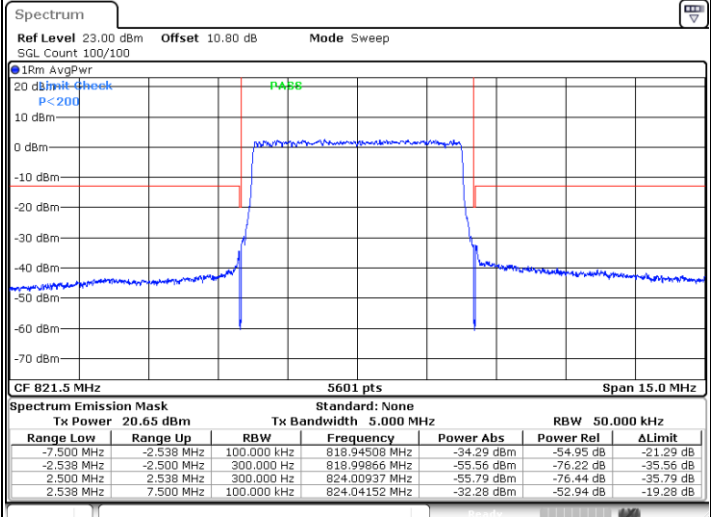
Date: 3.FEB.2020 19:10:55

Lowest Band Edge / Full RB



Date: 3.FEB.2020 19:08:50

Highest Band Edge / Full RB

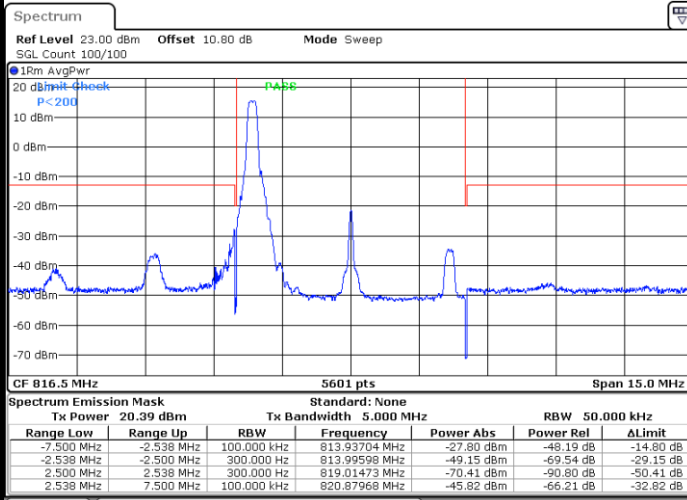


Date: 3.FEB.2020 19:13:00



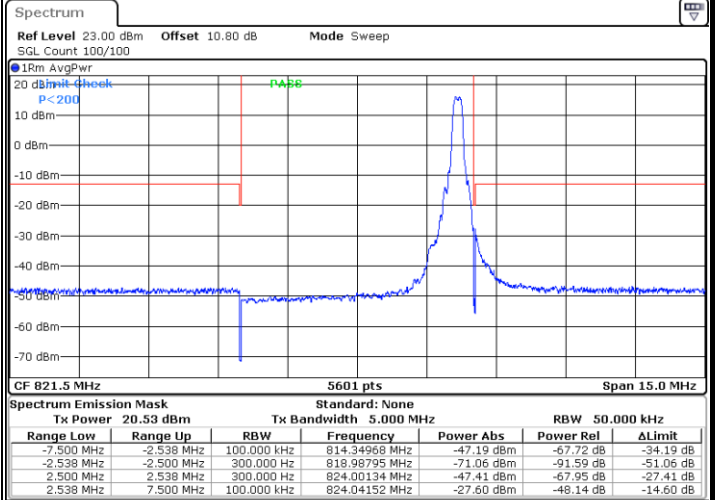
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



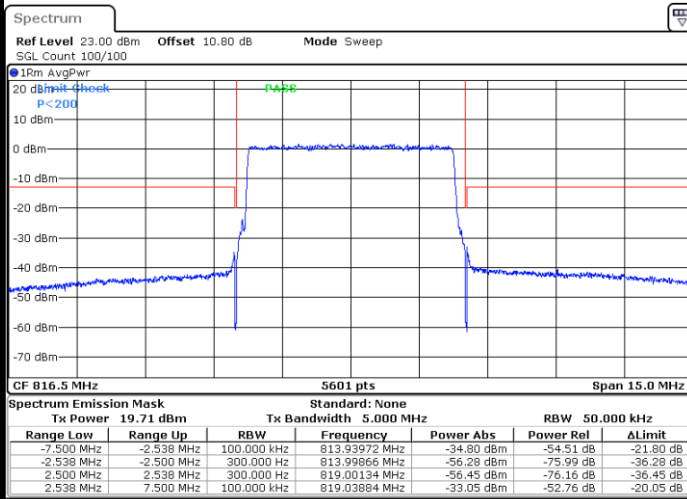
Date: 3.FEB.2020 19:35:03

Highest Band Edge / 1 RB



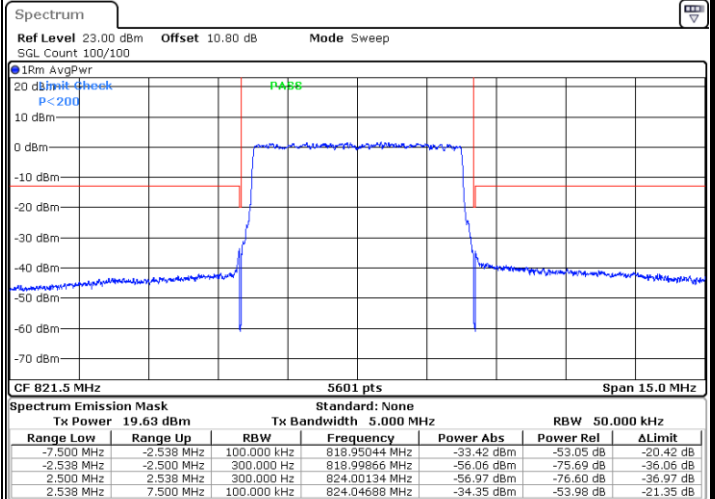
Date: 3.FEB.2020 19:37:08

Lowest Band Edge / Full RB



Date: 3.FEB.2020 19:36:06

Highest Band Edge / Full RB



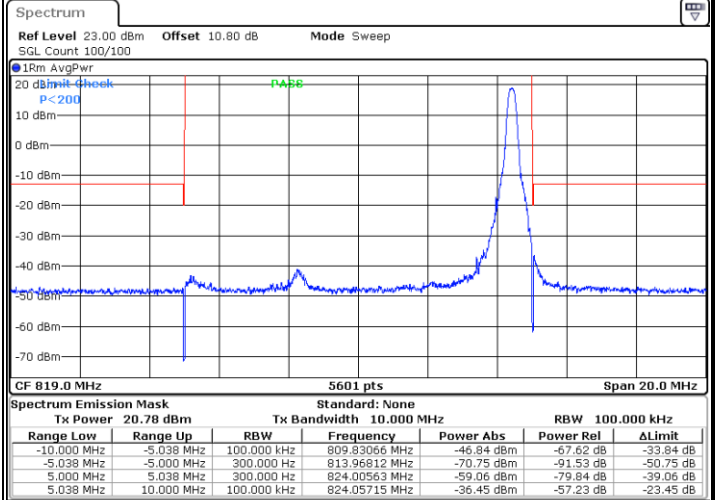
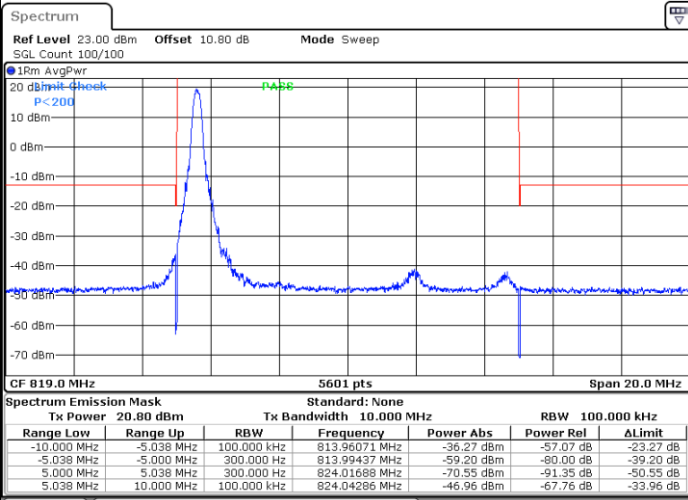
Date: 3.FEB.2020 19:38:11



LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB

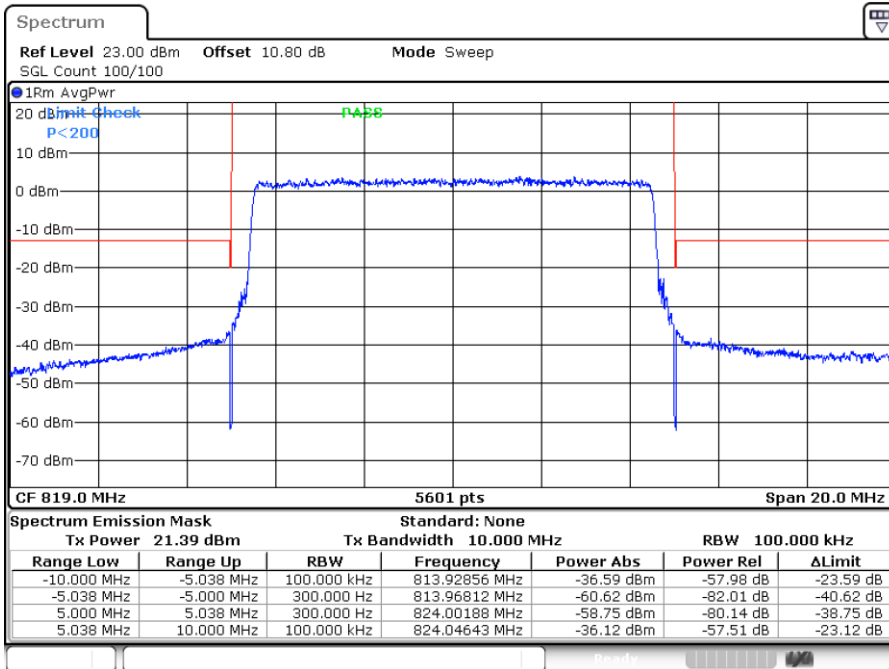
Highest Band Edge / 1 RB



Date: 3.FEB.2020 19:14:03

Date: 3.FEB.2020 19:16:08

Band Edge / Full RB

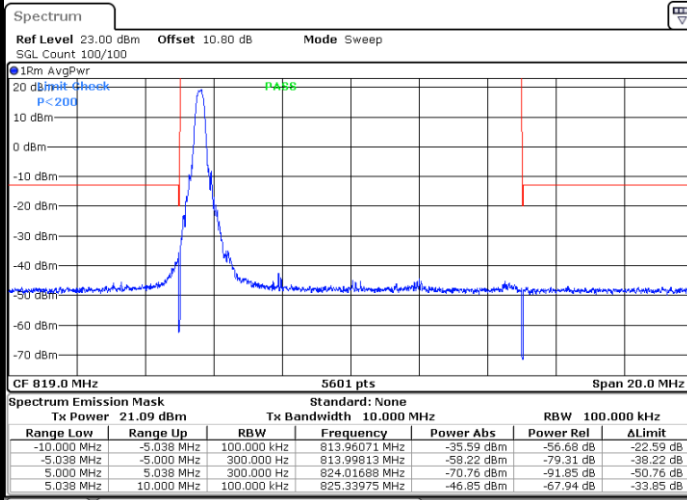


Date: 3.FEB.2020 19:18:12



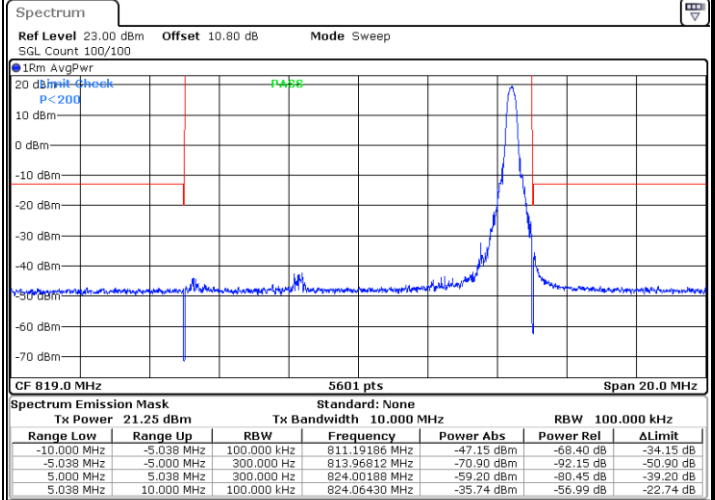
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



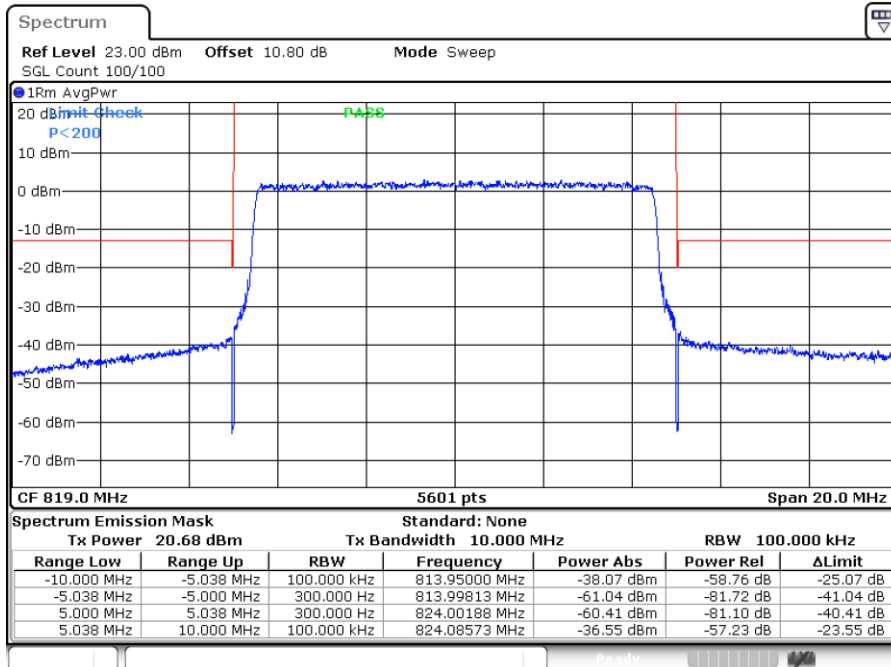
Date: 3.FEB.2020 19:15:05

Highest Band Edge / 1 RB



Date: 3.FEB.2020 19:17:10

Band Edge / Full RB



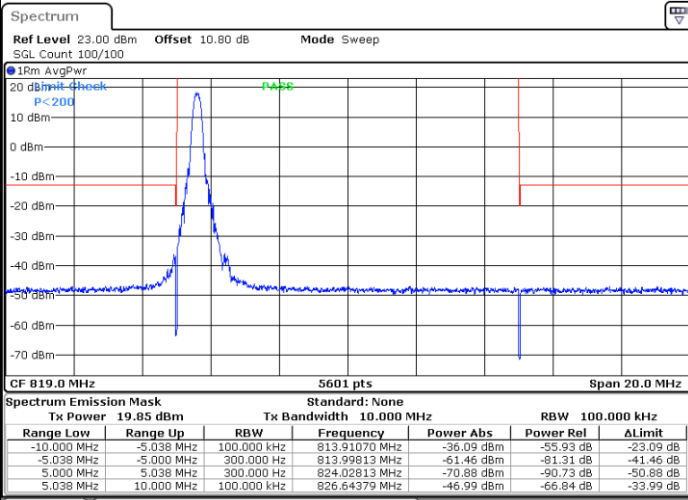
Date: 3.FEB.2020 19:19:15



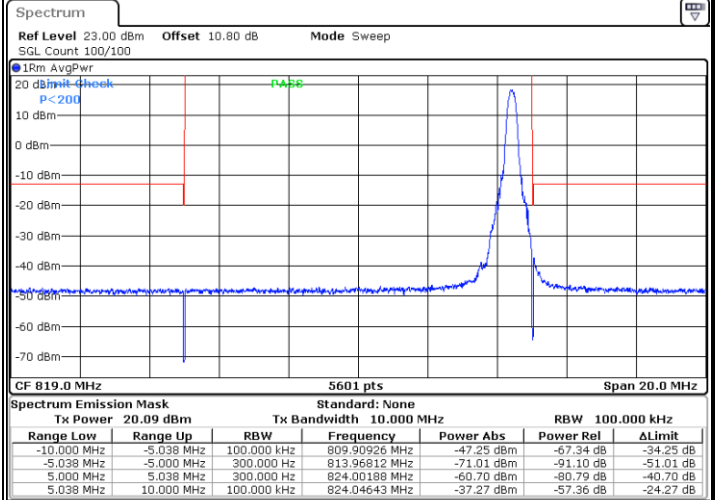
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

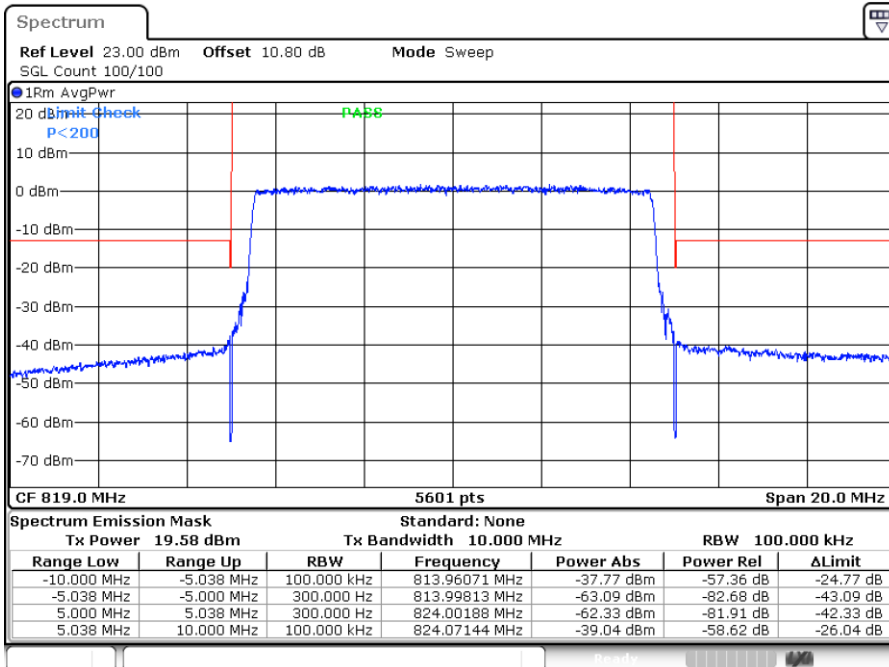


Date: 3.FEB.2020 19:39:13



Date: 3.FEB.2020 19:40:16

Band Edge / Full RB

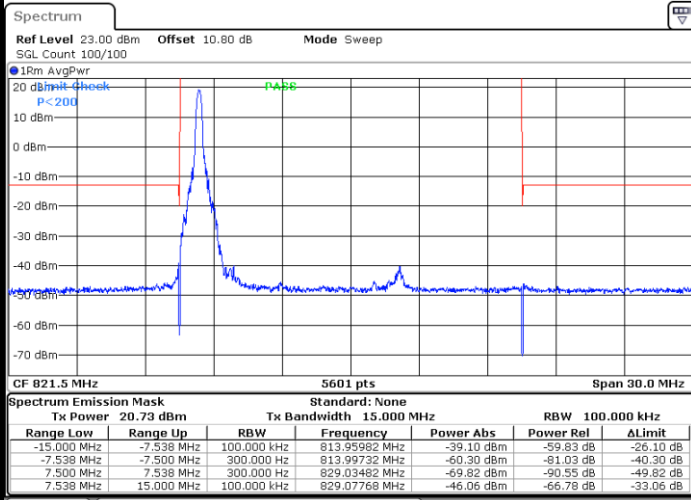


Date: 3.FEB.2020 19:41:18



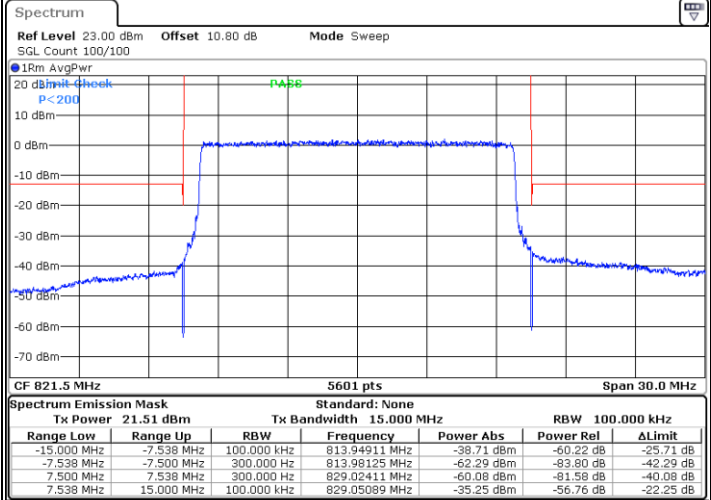
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 3.FEB.2020 19:20:18

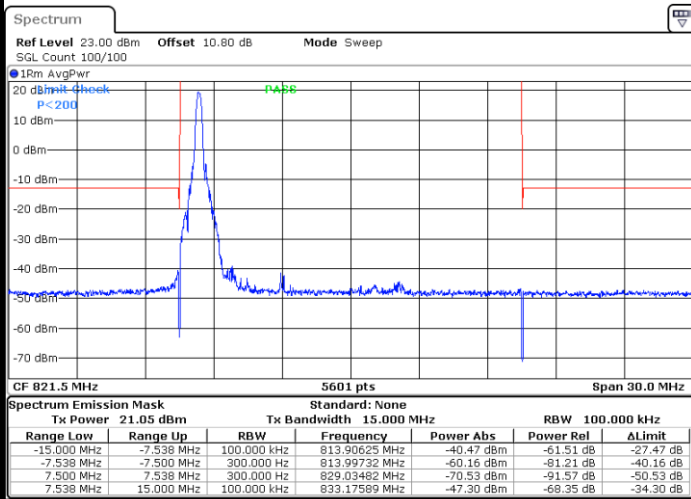
Lowest Band Edge / Full RB



Date: 3.FEB.2020 19:24:28

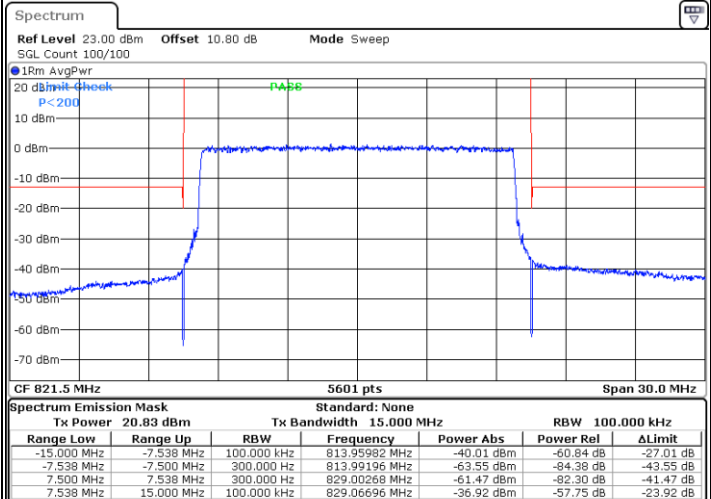
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 3.FEB.2020 19:21:21

Lowest Band Edge / Full RB

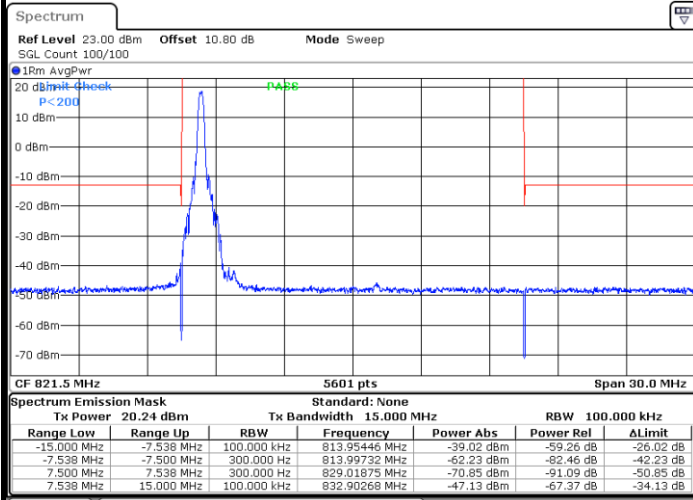


Date: 3.FEB.2020 19:25:30



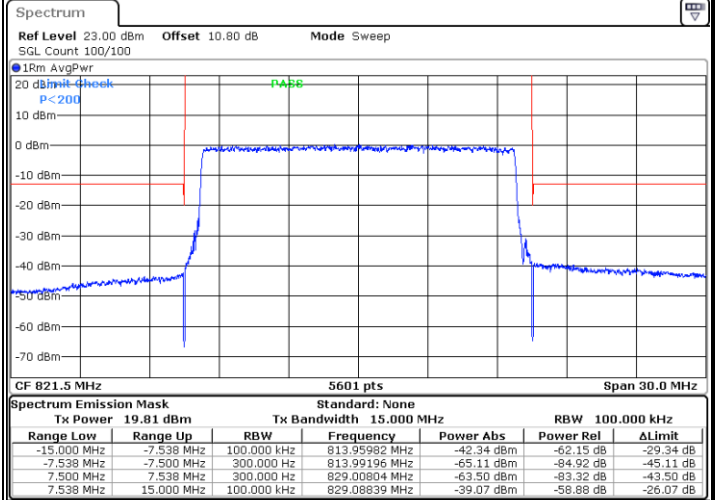
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 3.FEB.2020 19:42:21

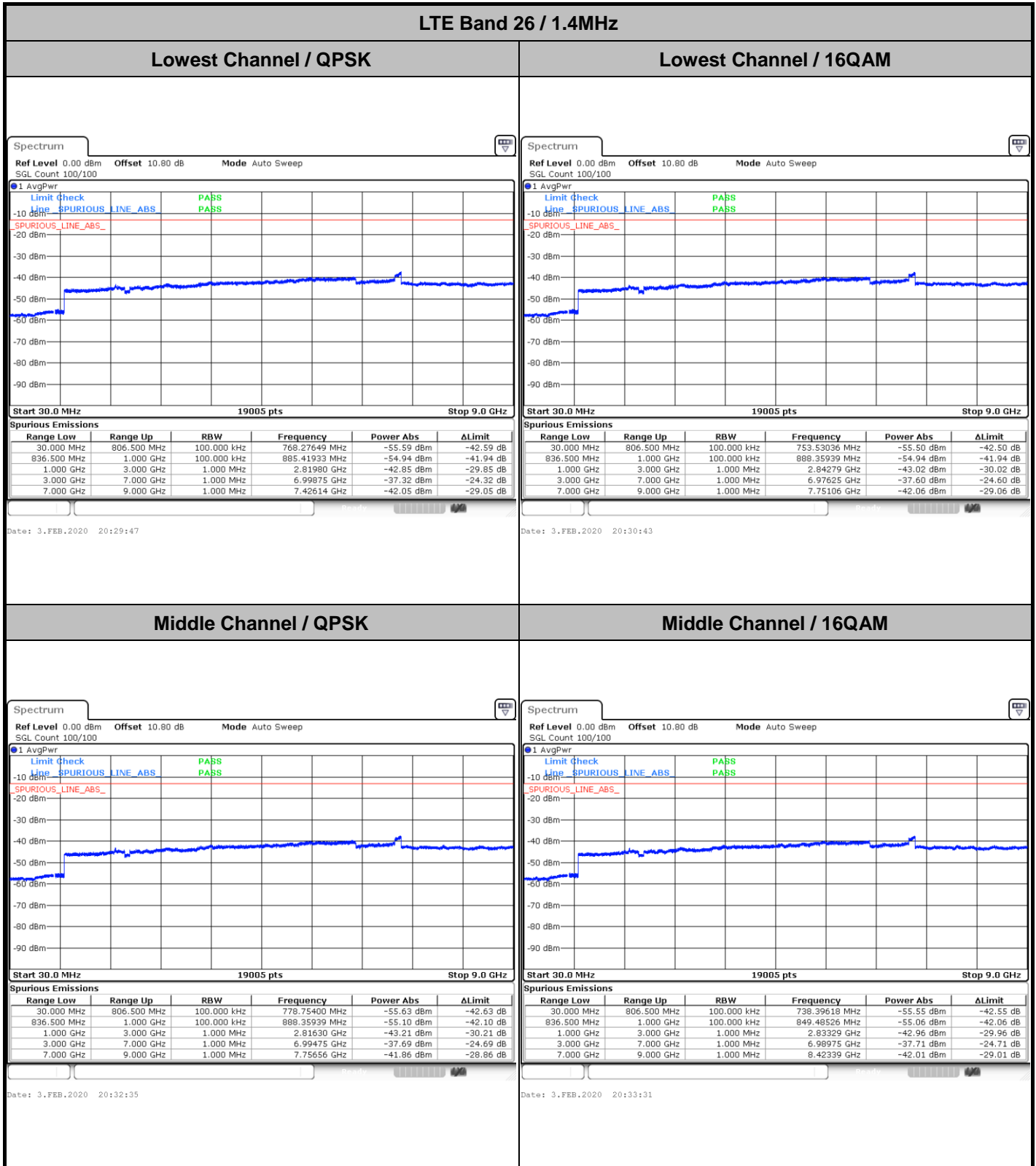
Lowest Band Edge / Full RB



Date: 3.FEB.2020 19:44:25



Conducted Spurious Emission

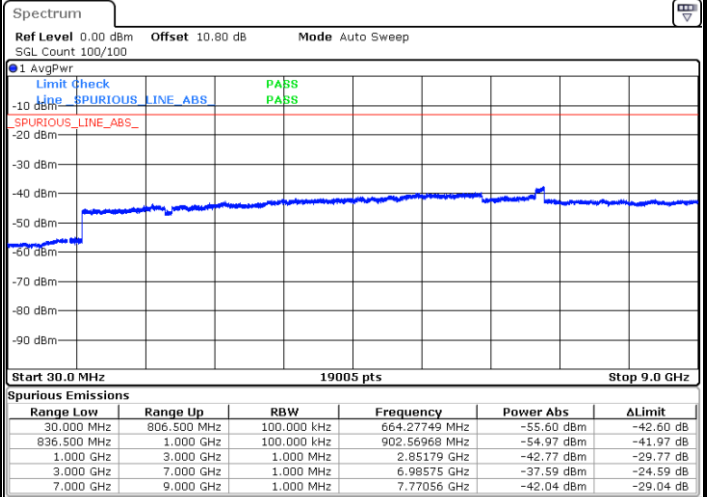
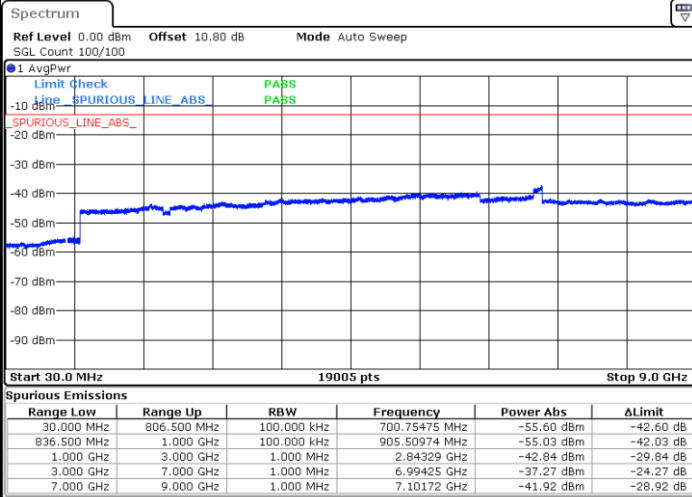




LTE Band 26 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



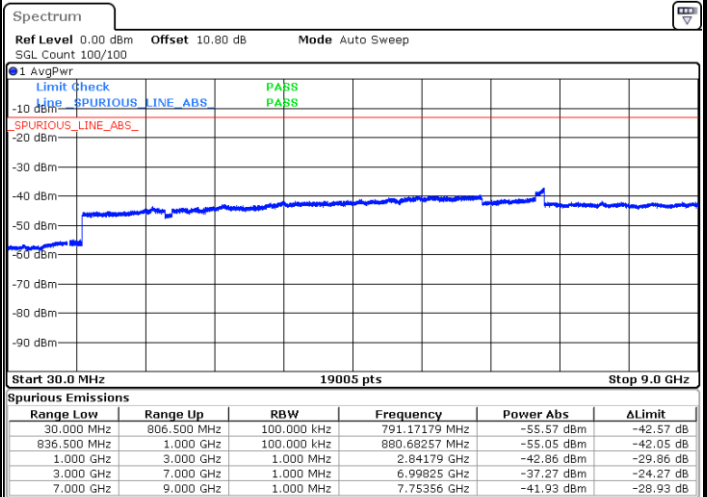
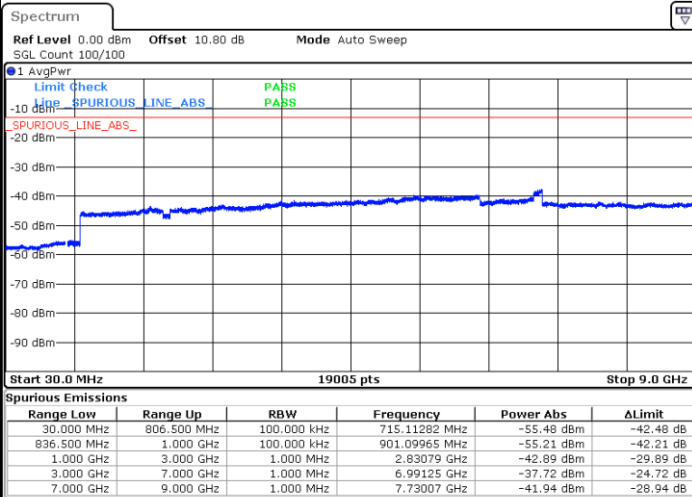
Date: 3.FEB.2020 20:35:23

Date: 3.FEB.2020 20:36:19

LTE Band 26 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 3.FEB.2020 20:03:35

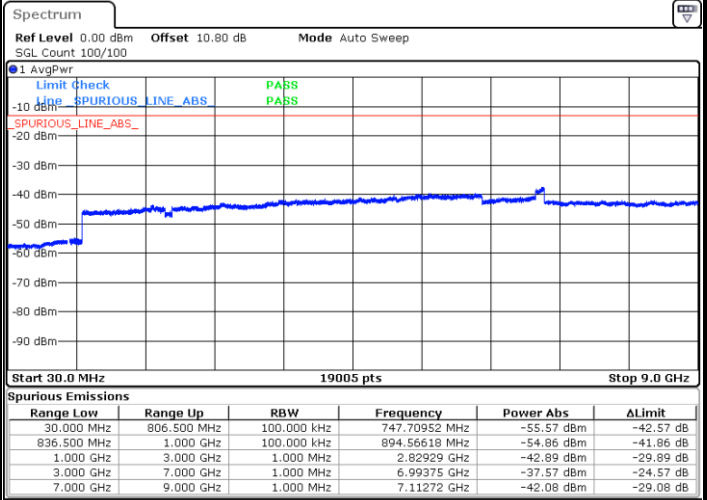
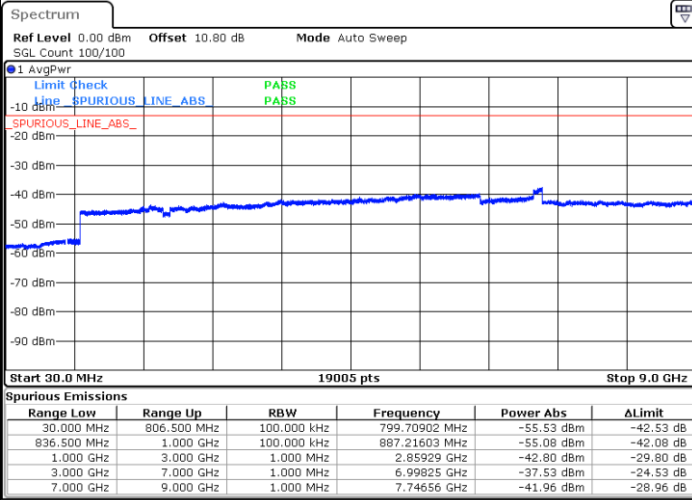
Date: 3.FEB.2020 20:04:31



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

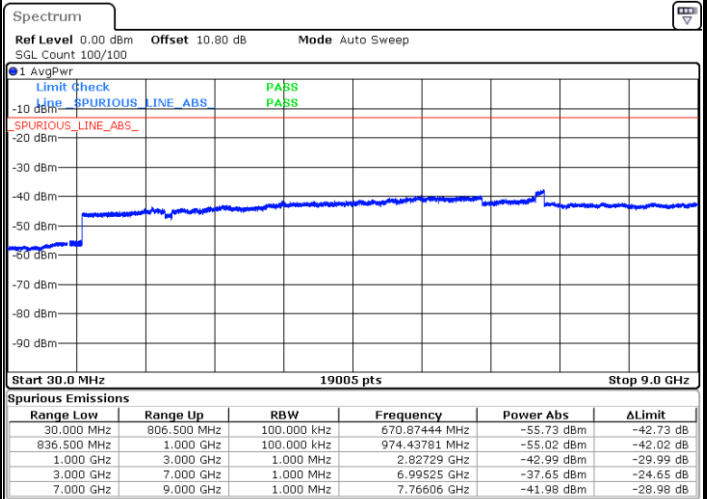
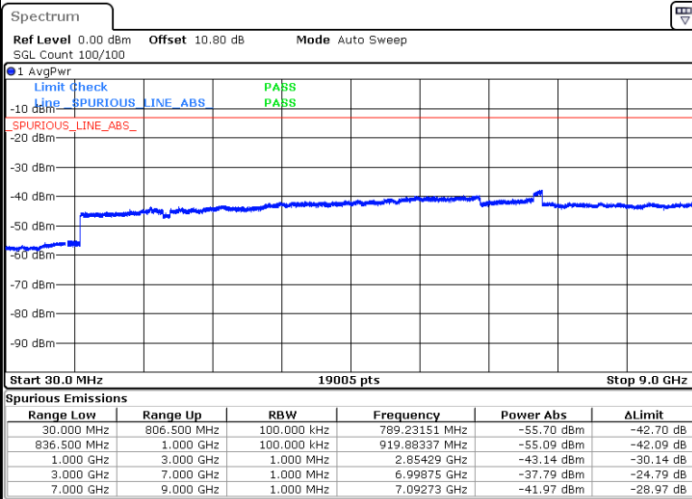


Date: 3.FEB.2020 20:06:23

Date: 3.FEB.2020 20:07:19

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3.FEB.2020 20:09:11

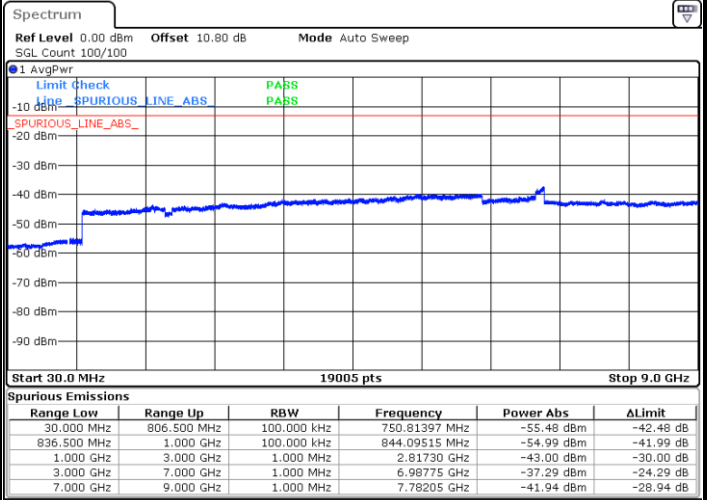
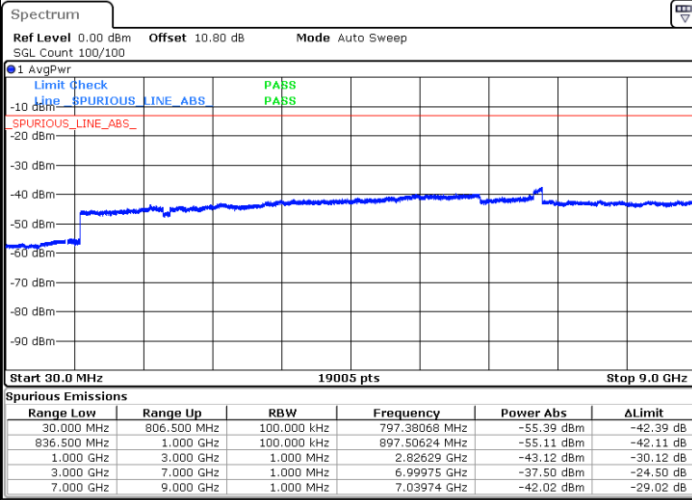
Date: 3.FEB.2020 20:10:07



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

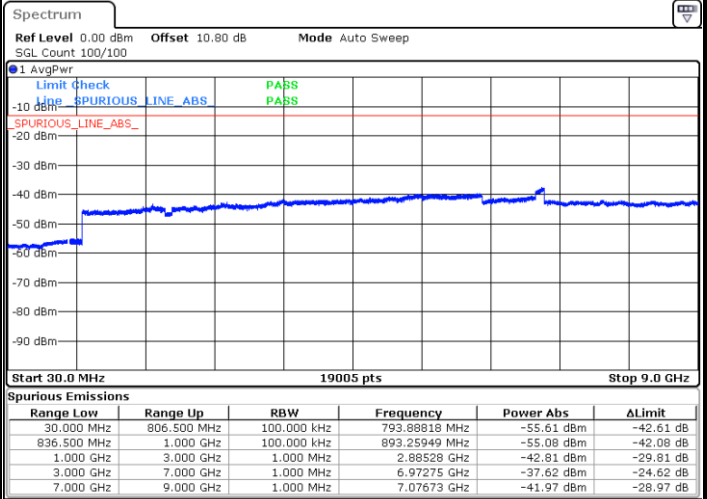
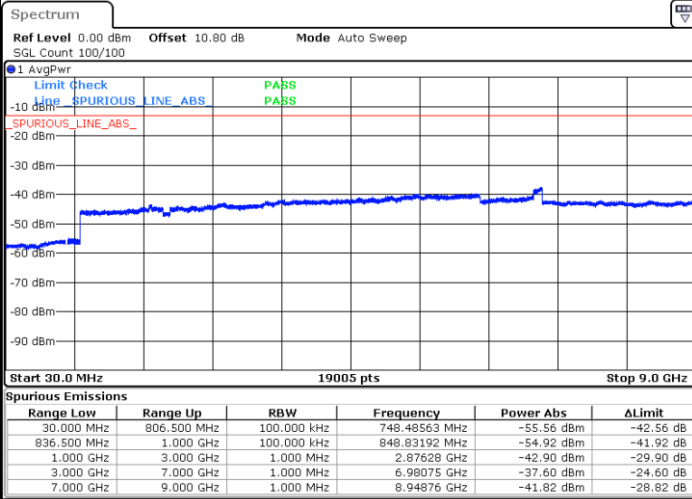


Date: 3.FEB.2020 20:11:59

Date: 3.FEB.2020 20:12:56

Middle Channel / QPSK

Middle Channel / 16QAM



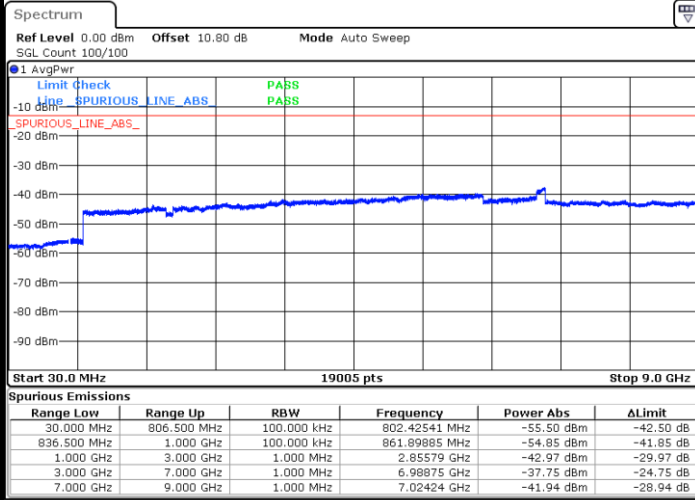
Date: 3.FEB.2020 20:14:48

Date: 3.FEB.2020 20:15:44



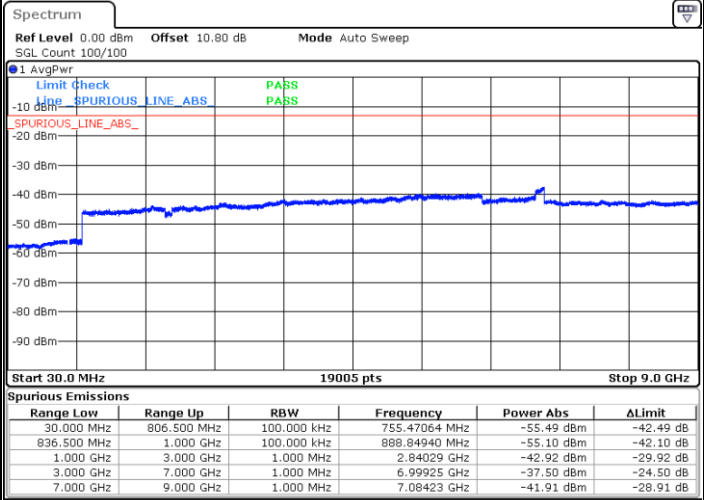
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 3.FEB.2020 20:17:36

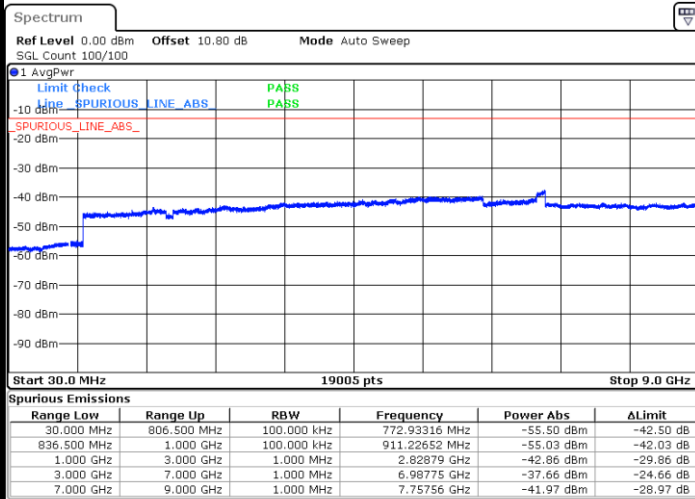
Highest Channel / 16QAM



Date: 3.FEB.2020 20:18:32

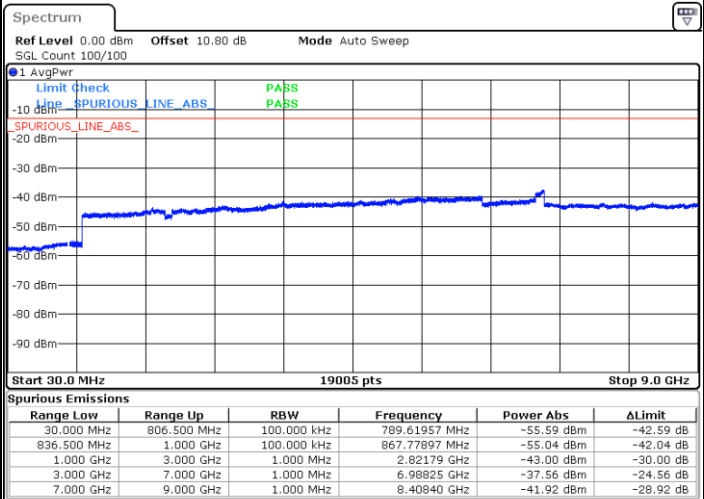
LTE Band 26 / 10MHz

Middle Channel / QPSK

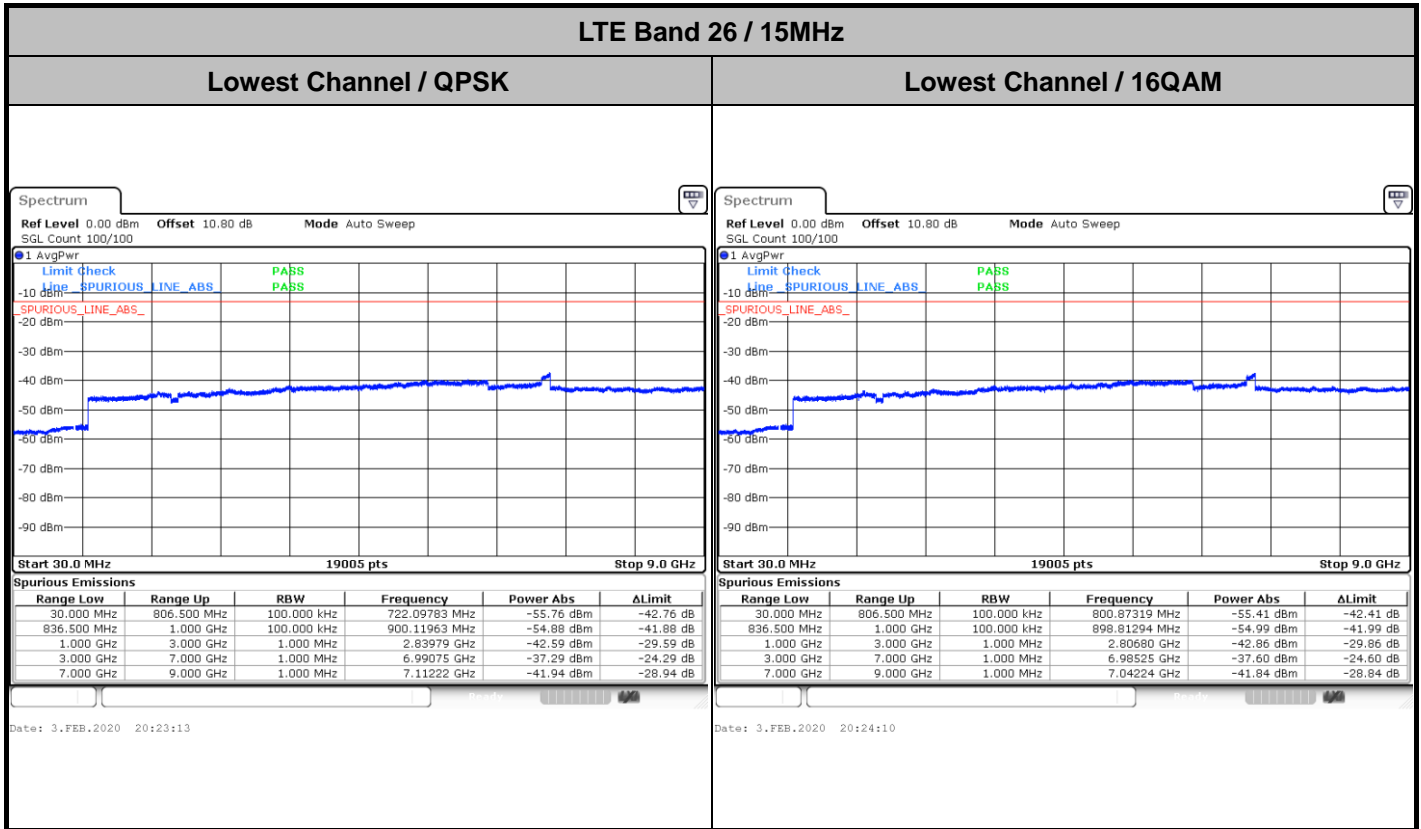


Date: 3.FEB.2020 20:20:25

Middle Channel / 16QAM



Date: 3.FEB.2020 20:21:21

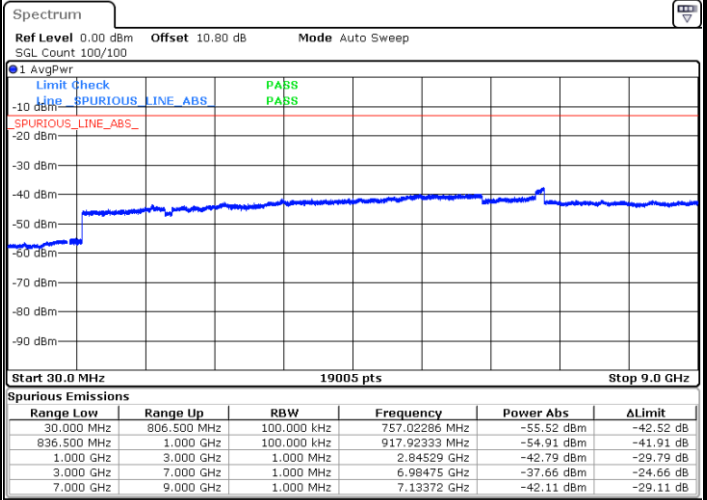
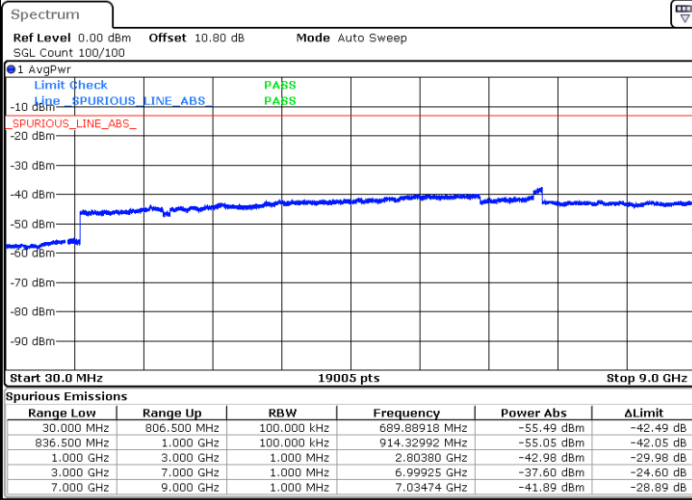




LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

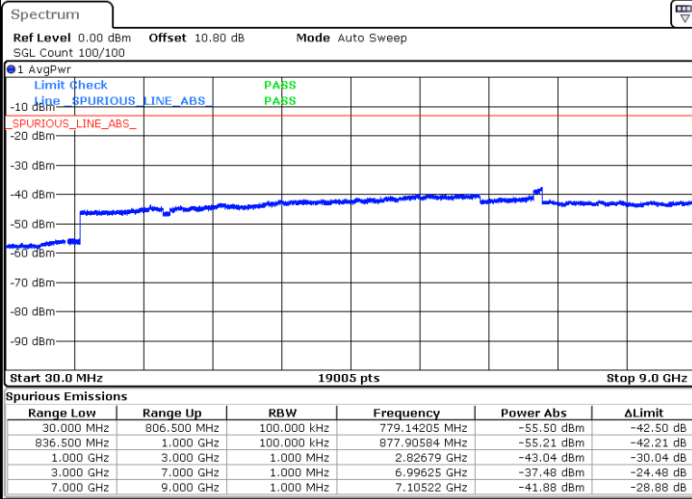
Middle Channel / 64QAM



Date: 3.FEB.2020 19:58:55

Date: 3.FEB.2020 20:00:19

Highest Channel / 64QAM



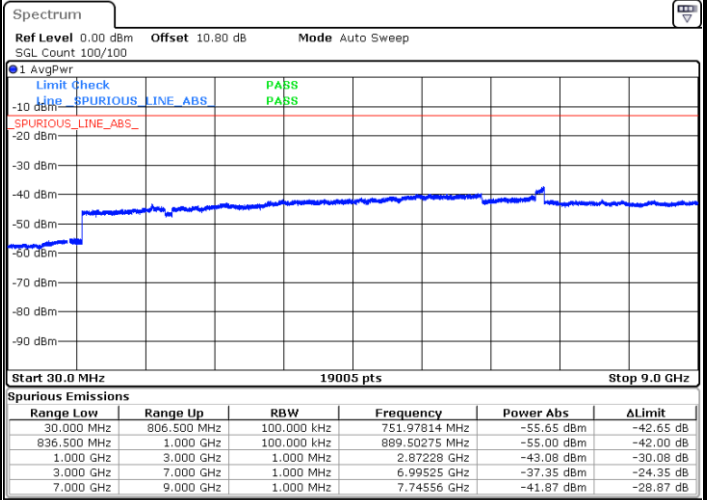
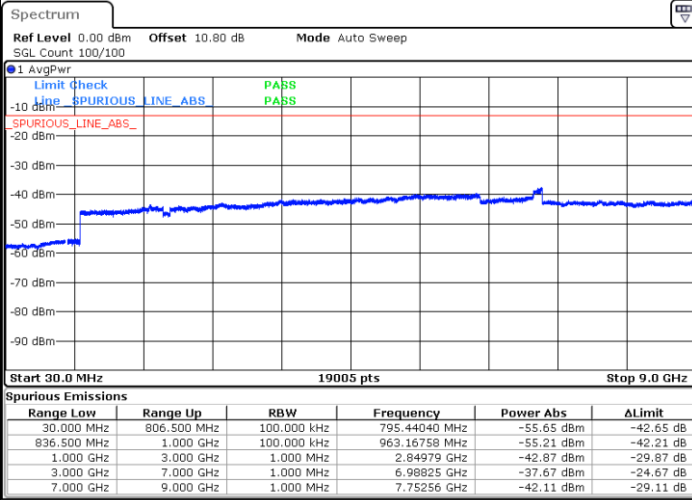
Date: 3.FEB.2020 20:01:42



LTE Band 26 / 3MHz

Lowest Channel / 64QAM

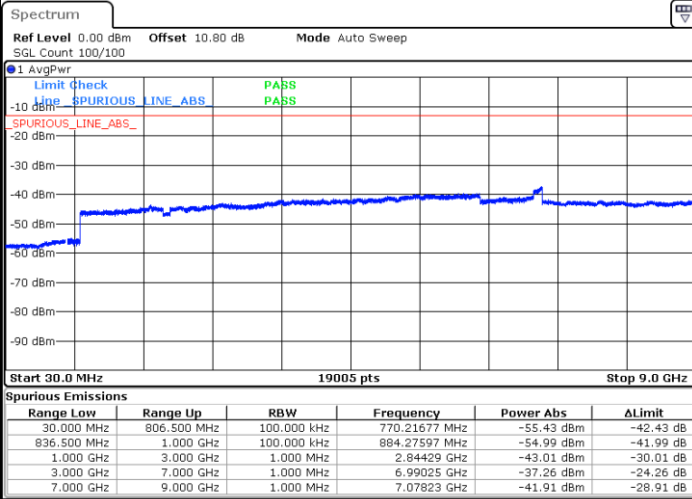
Middle Channel / 64QAM



Date: 3.FEB.2020 19:45:50

Date: 3.FEB.2020 19:47:14

Highest Channel / 64QAM



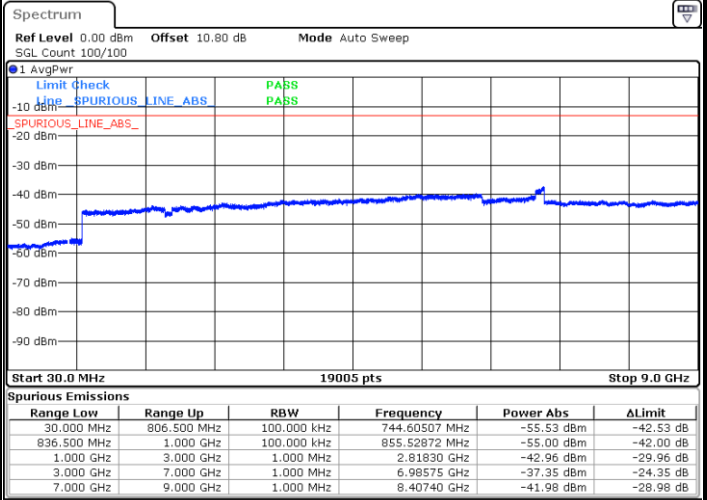
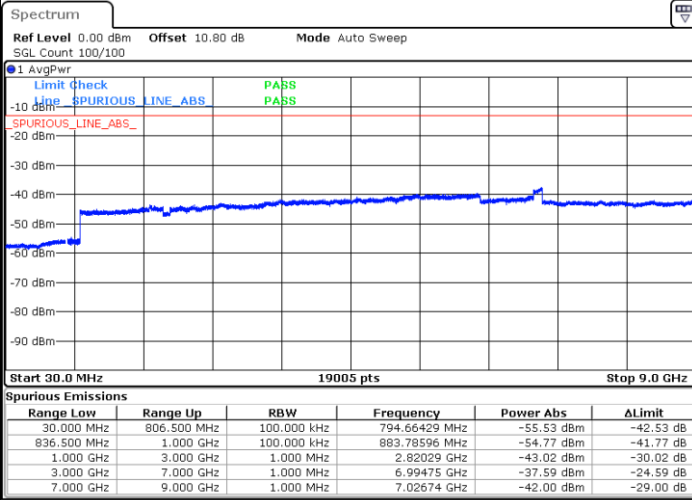
Date: 3.FEB.2020 19:48:38



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

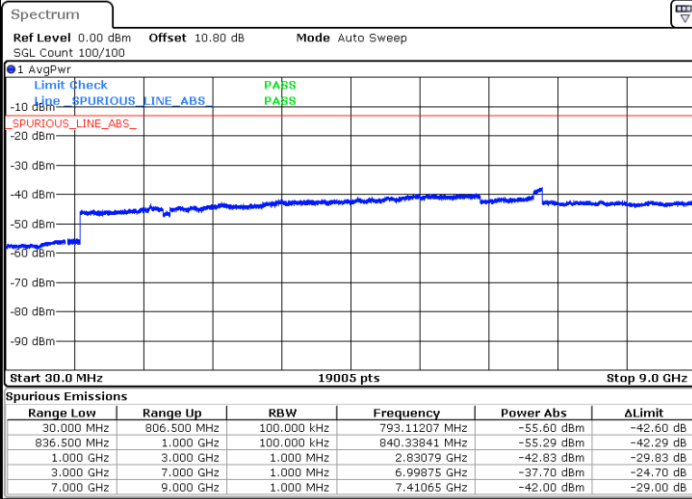
Middle Channel / 64QAM



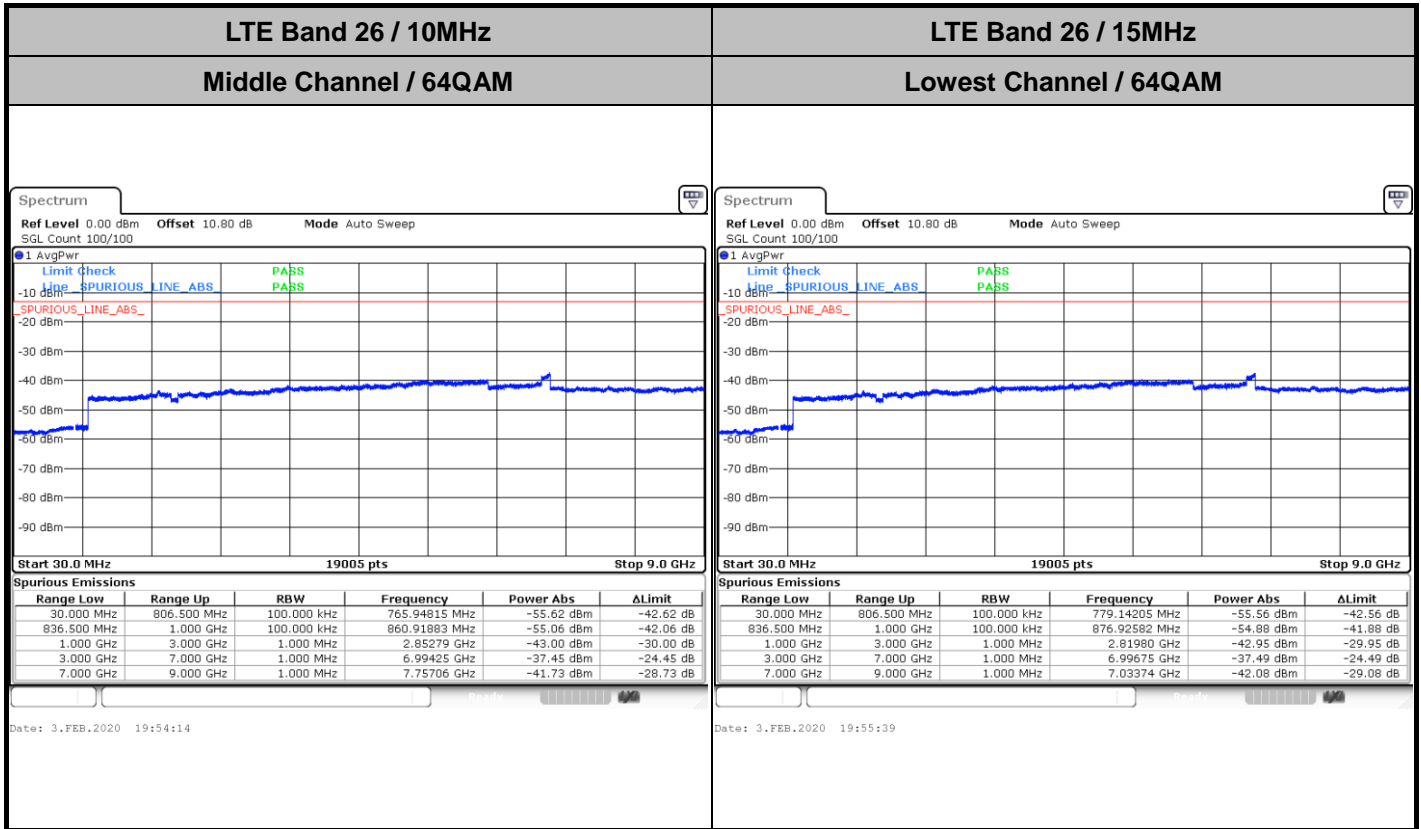
Date: 3.FEB.2020 19:50:02

Date: 3.FEB.2020 19:51:26

Highest Channel / 64QAM



Date: 3.FEB.2020 19:52:50





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	0.0065	PASS
40	Normal Voltage	0.0059	
30	Normal Voltage	0.0065	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0227	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0116	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0065	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 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	0.0012	PASS
40	Normal Voltage	0.0090	
30	Normal Voltage	0.0094	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0147	
-10	Normal Voltage	0.0141	
-20	Normal Voltage	0.0197	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

- 1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 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 = -3.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	37	22.94	0.1968	17.39	0.0548
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	74	22.35	0.1718	16.80	0.0479
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	21.21	0.1321	15.66	0.0368
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	1628	-60.78	-13	-47.78	-70.81	-66.30	0.91	8.59	H
	2443	-56.43	-13	-43.43	-70.76	-63.76	1.14	10.62	H
	3257	-54.97	-13	-41.97	-70.74	-63.42	1.32	11.92	H
									H
									H
									H
	1628	-61.34	-13	-48.34	-70.91	-66.86	0.91	8.59	V
	2443	-47.36	-13	-34.36	-61.76	-54.69	1.14	10.62	V
	3257	-54.25	-13	-41.25	-70.51	-62.70	1.32	11.92	V
									V
									V
									V
Middle	1633	-60.90	-13	-47.90	-70.94	-66.44	0.92	8.61	H
	2450	-56.03	-13	-43.03	-70.35	-63.37	1.14	10.63	H
	3267	-54.72	-13	-41.72	-70.46	-63.19	1.32	11.94	H
									H
									H
									H
	1633	-61.38	-13	-48.38	-70.95	-66.92	0.92	8.61	V
	2450	-52.51	-13	-39.51	-66.93	-59.85	1.14	10.63	V
	3267	-54.77	-13	-41.77	-70.99	-63.24	1.32	11.94	V
									V
									V
									V



Highest	1638	-60.22	-13	-47.22	-70.28	-65.78	0.92	8.62	H
	2458	-56.33	-13	-43.33	-70.66	-63.68	1.14	10.64	H
	3277	-55.02	-13	-42.02	-70.74	-63.51	1.32	11.96	H
									H
									H
									H
									H
	1638	-61.20	-13	-48.20	-70.77	-66.76	0.92	8.62	V
	2458	-56.01	-13	-43.01	-70.45	-63.36	1.14	10.64	V
	3277	-54.76	-13	-41.76	-70.96	-63.25	1.32	11.96	V
									V
									V
									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	1629	-60.61	-13	-47.61	-70.64	-66.14	0.91	8.59	H
	2443	-56.45	-13	-43.45	-70.78	-63.78	1.14	10.62	H
	3258	-55.25	-13	-42.25	-71.02	-63.70	1.32	11.92	H
									H
									H
									H
									H
	1629	-61.18	-13	-48.18	-70.75	-66.71	0.91	8.59	V
	2443	-56.05	-13	-43.05	-70.45	-63.38	1.14	10.62	V
	3258	-54.41	-13	-41.41	-70.66	-62.86	1.32	11.92	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	1629	-60.70	-13	-47.70	-70.73	-66.23	0.91	8.59	H
	2444	-56.33	-13	-43.33	-70.66	-63.66	1.14	10.62	H
	3259	-55.20	-13	-42.20	-70.96	-63.65	1.32	11.92	H
									H
									H
									H
									H
	1629	-61.02	-13	-48.02	-70.59	-66.55	0.91	8.59	V
	2444	-56.02	-13	-43.02	-70.43	-63.35	1.14	10.62	V
	3259	-54.59	-13	-41.59	-70.84	-63.04	1.32	11.92	V
									V
									V
									V
									V

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