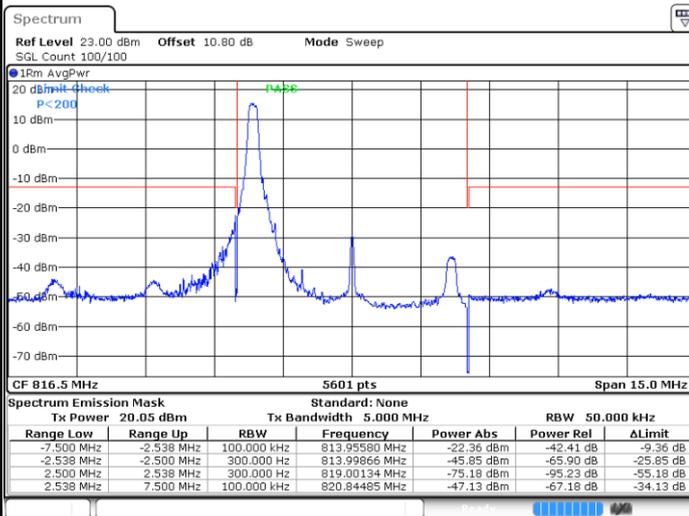




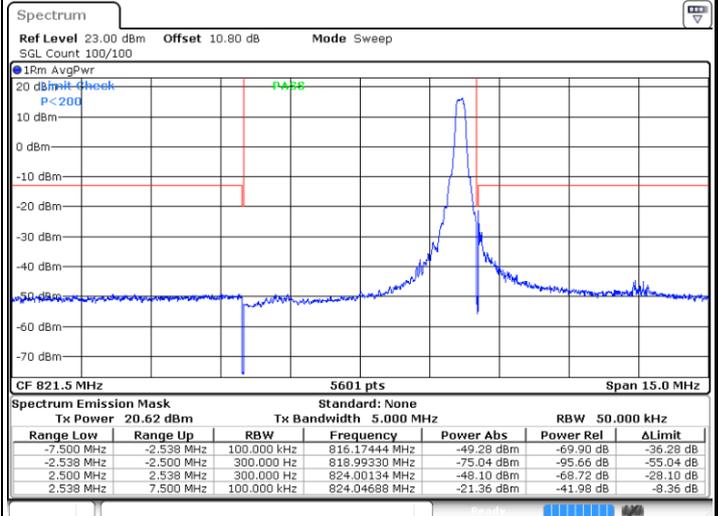
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



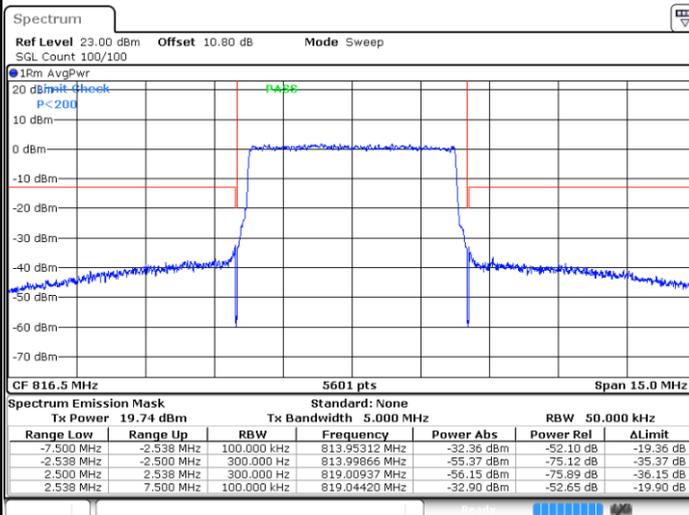
Date: 7. JAN 2020 00:59:49

Highest Band Edge / 1 RB



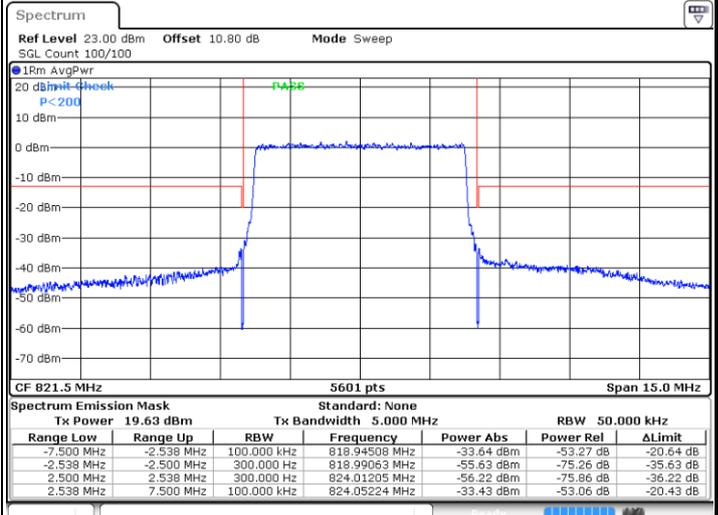
Date: 7. JAN 2020 01:02:31

Lowest Band Edge / Full RB



Date: 7. JAN 2020 01:01:10

Highest Band Edge / Full RB

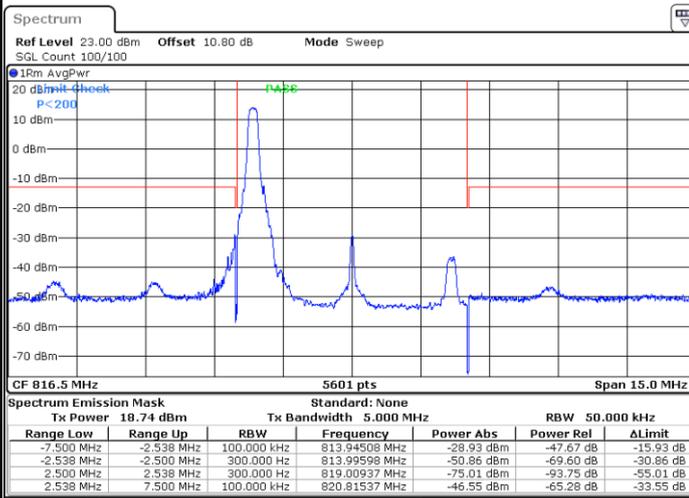


Date: 7. JAN 2020 01:03:51



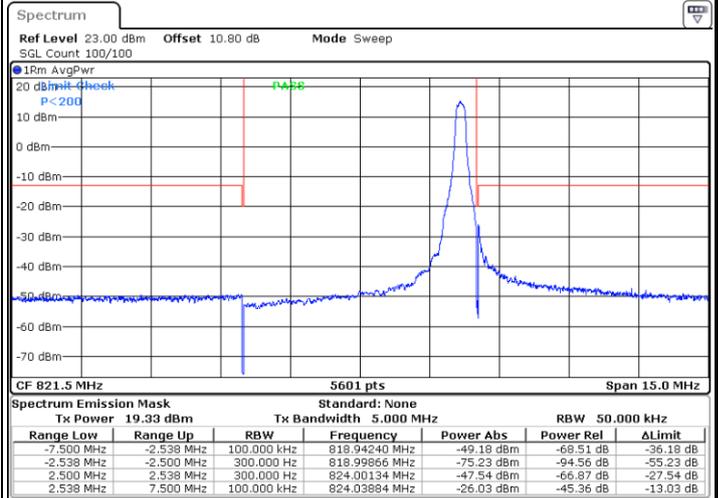
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



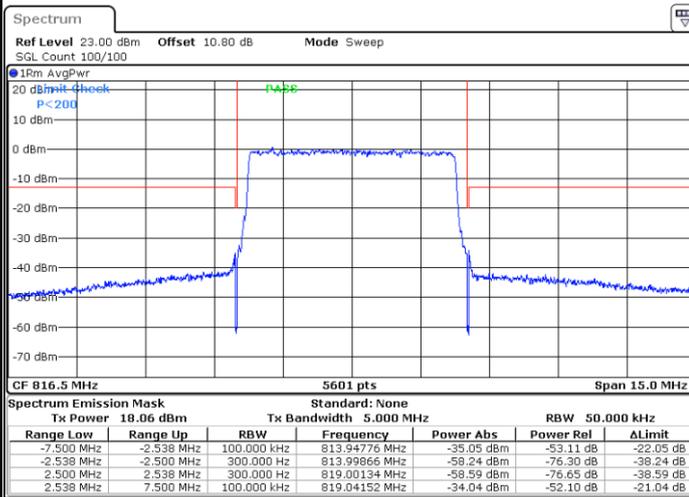
Date: 7. JAN 2020 01:20:16

Highest Band Edge / 1 RB



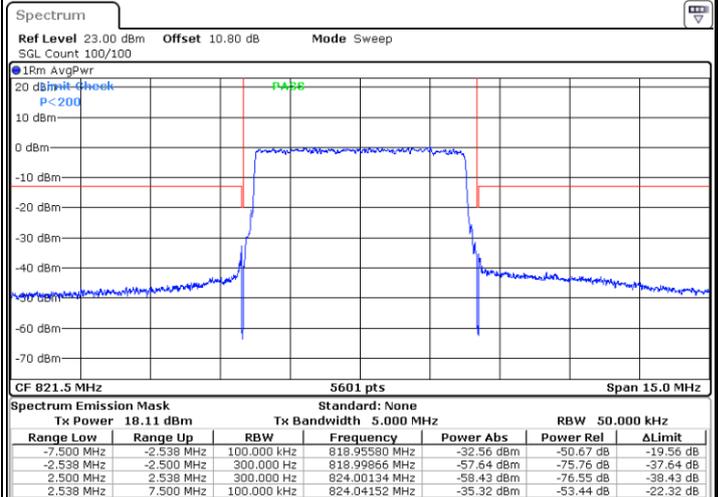
Date: 7. JAN 2020 01:21:37

Lowest Band Edge / Full RB



Date: 7. JAN 2020 01:20:56

Highest Band Edge / Full RB

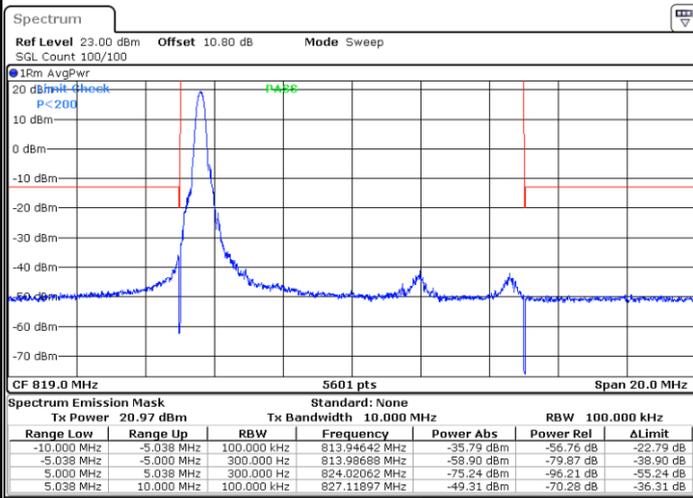


Date: 7. JAN 2020 01:22:17



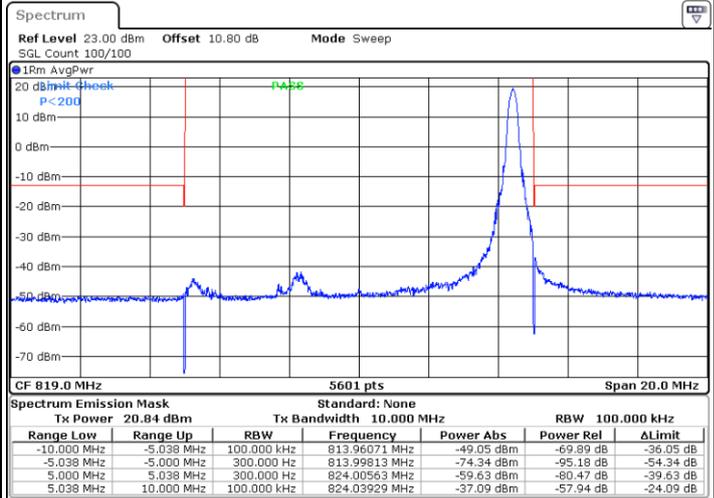
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



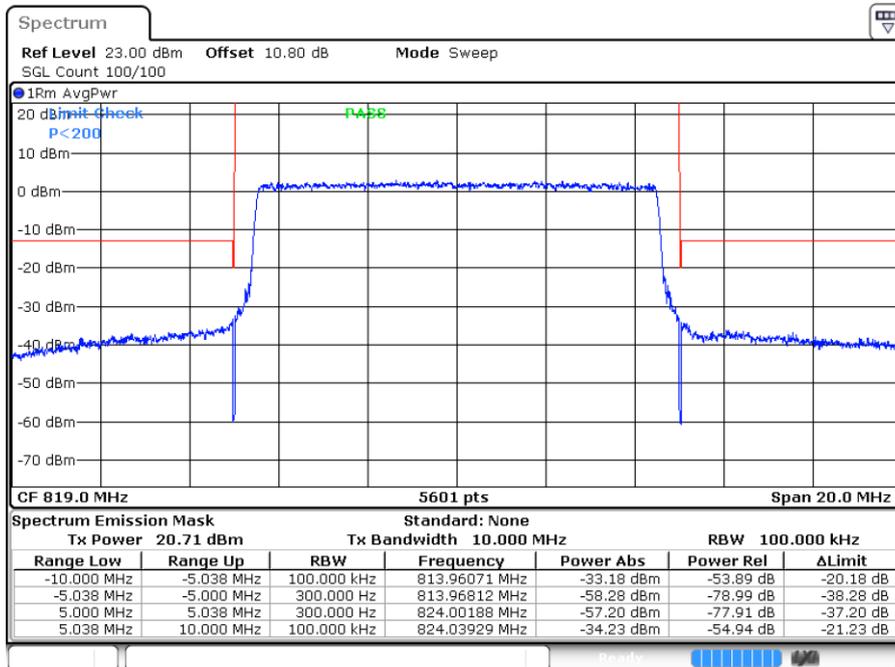
Date: 7 JAN 2020 01:04:32

Highest Band Edge / 1 RB



Date: 7 JAN 2020 01:05:53

Band Edge / Full RB

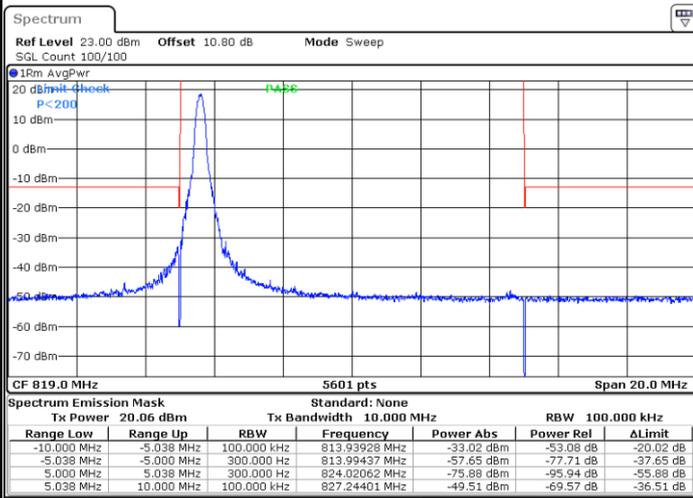


Date: 7 JAN 2020 01:07:14



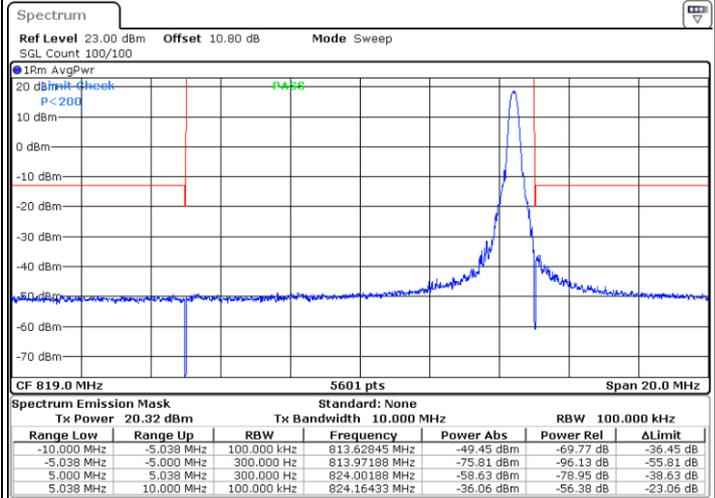
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



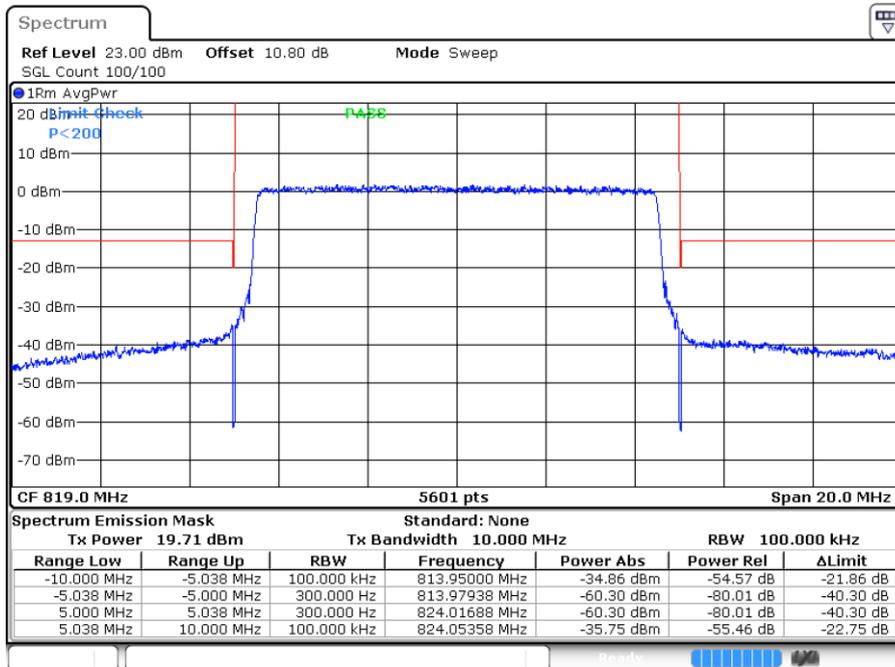
Date: 7 JAN 2020 01:05:13

Highest Band Edge / 1 RB



Date: 7 JAN 2020 01:06:34

Band Edge / Full RB

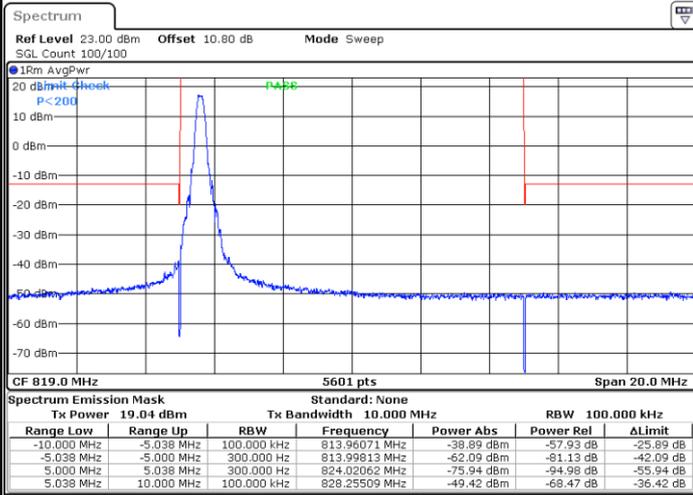


Date: 7 JAN 2020 01:07:54



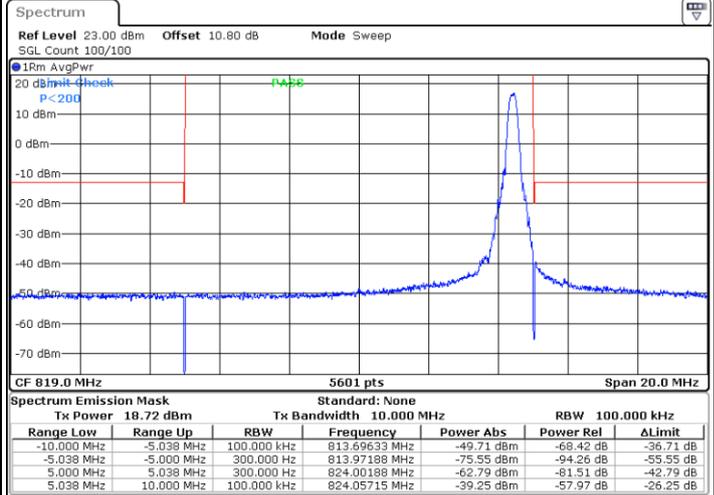
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



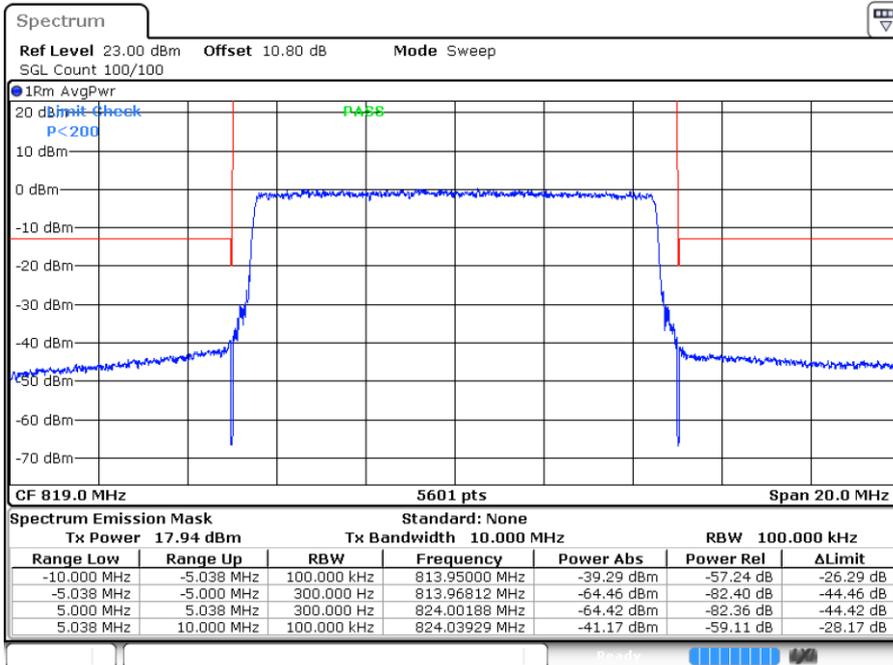
Date: 7 JAN 2020 01:22:58

Highest Band Edge / 1 RB



Date: 7 JAN 2020 01:23:38

Band Edge / Full RB

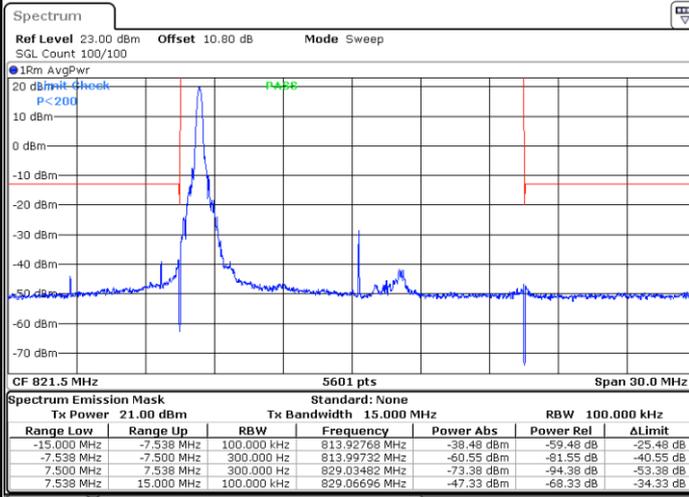


Date: 7 JAN 2020 01:24:18



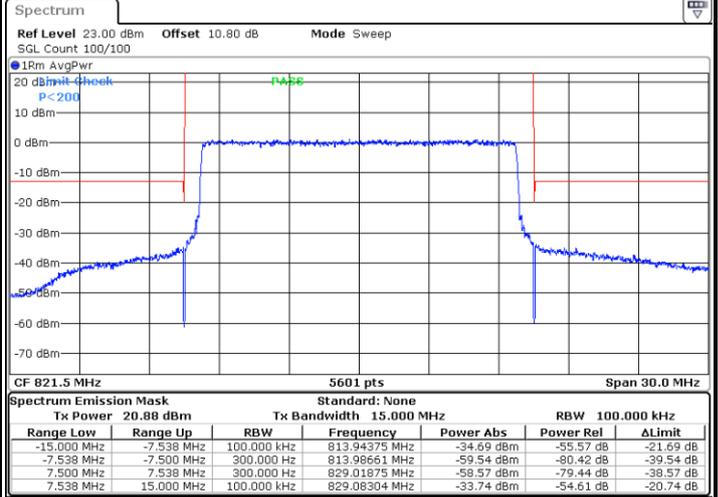
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 7.JAN.2020 01:08:35

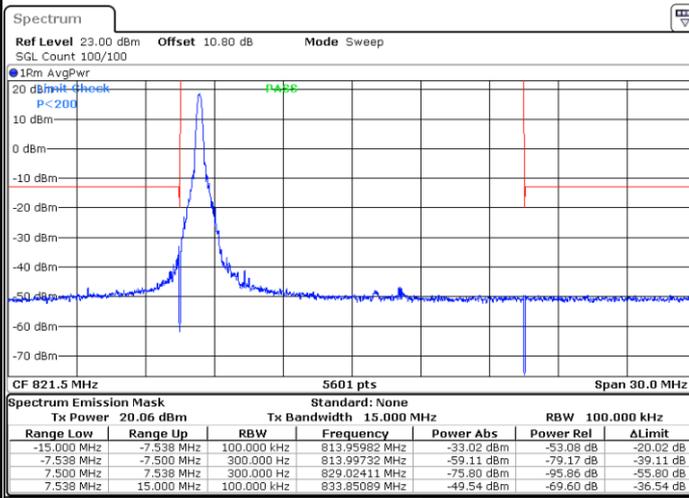
Lowest Band Edge / Full RB



Date: 7.JAN.2020 01:11:17

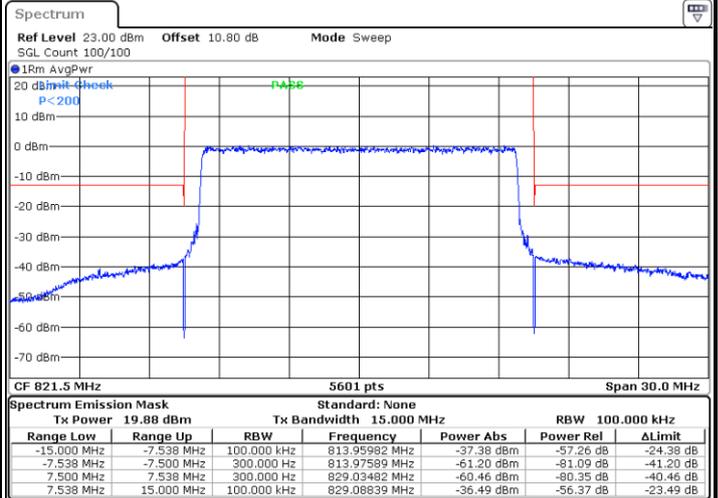
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 7.JAN.2020 01:09:16

Lowest Band Edge / Full RB

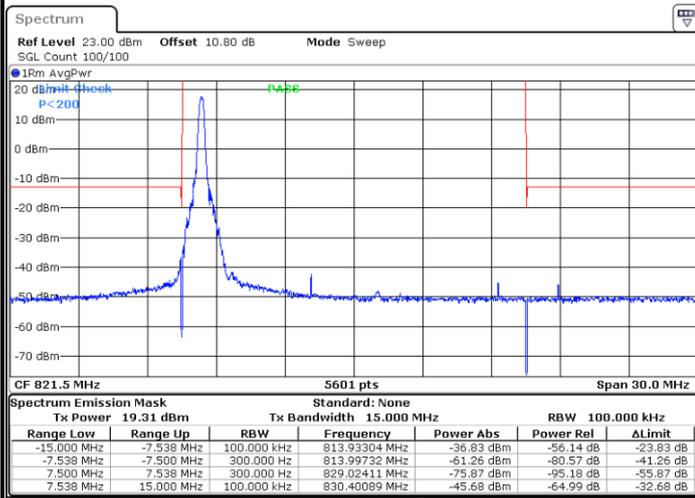


Date: 7.JAN.2020 01:11:57



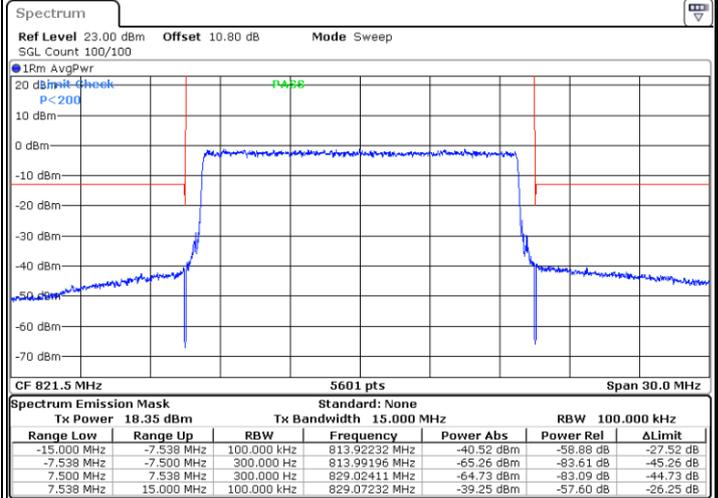
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 7 JAN 2020 01:24:59

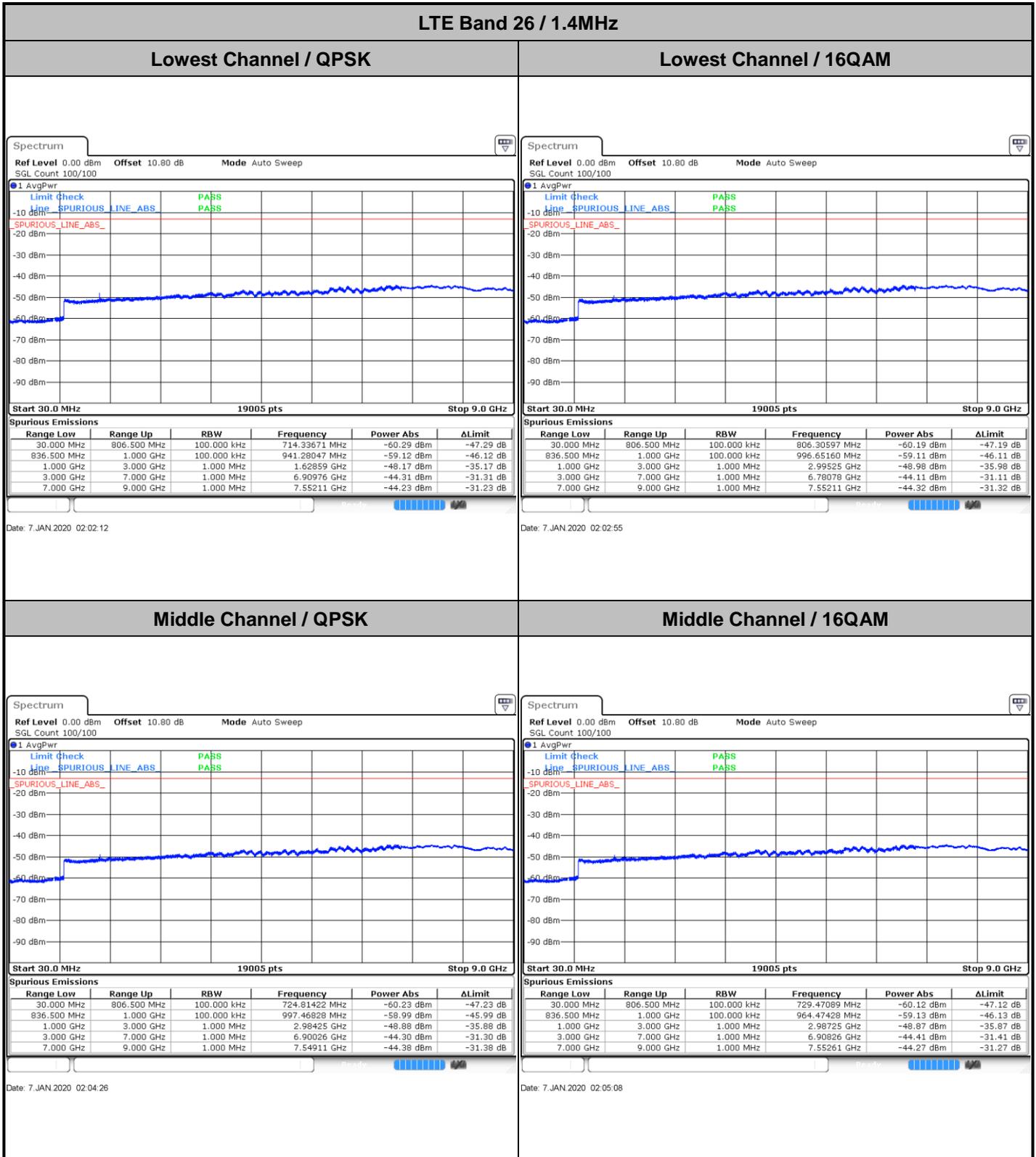
Lowest Band Edge / Full RB



Date: 7 JAN 2020 01:26:19



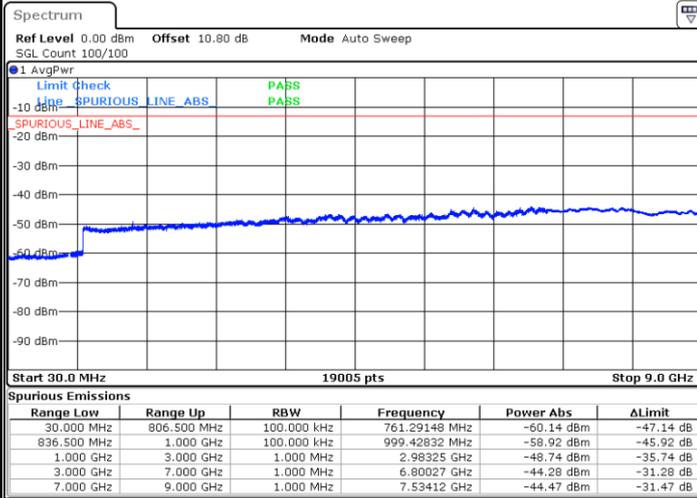
Conducted Spurious Emission





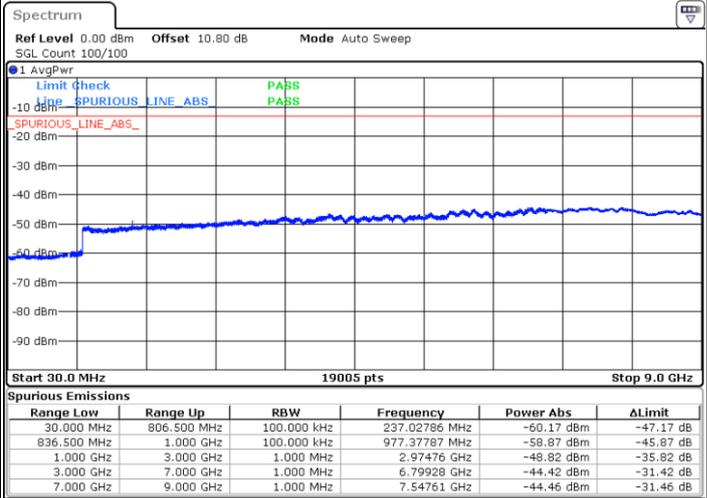
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 7. JAN 2020 02:06:39

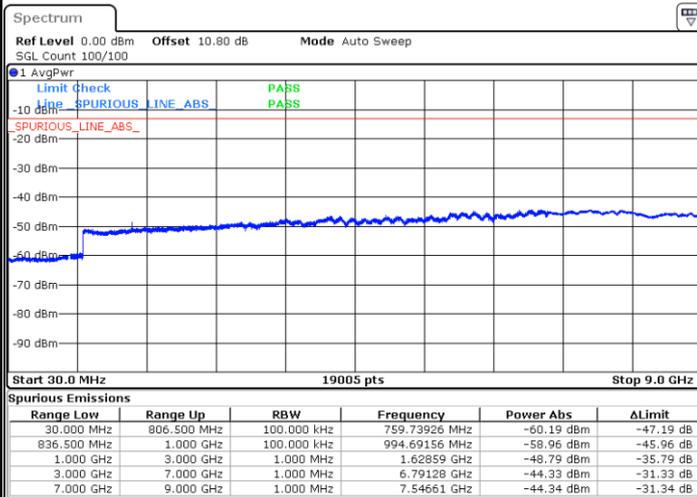
Highest Channel / 16QAM



Date: 7. JAN 2020 02:07:22

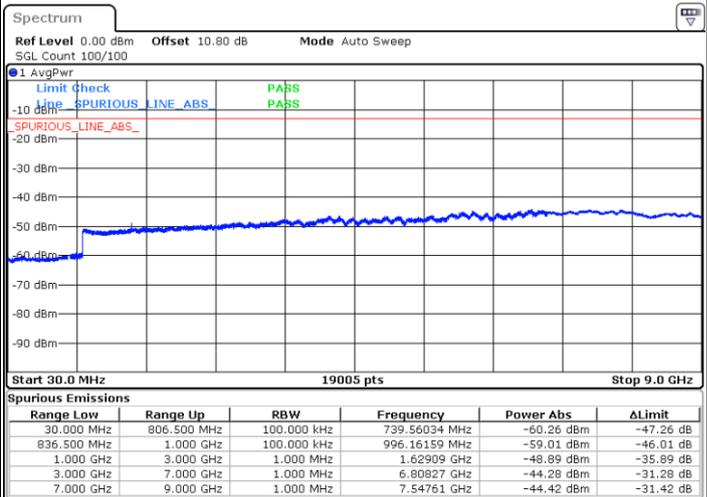
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 7. JAN 2020 01:41:31

Lowest Channel / 16QAM



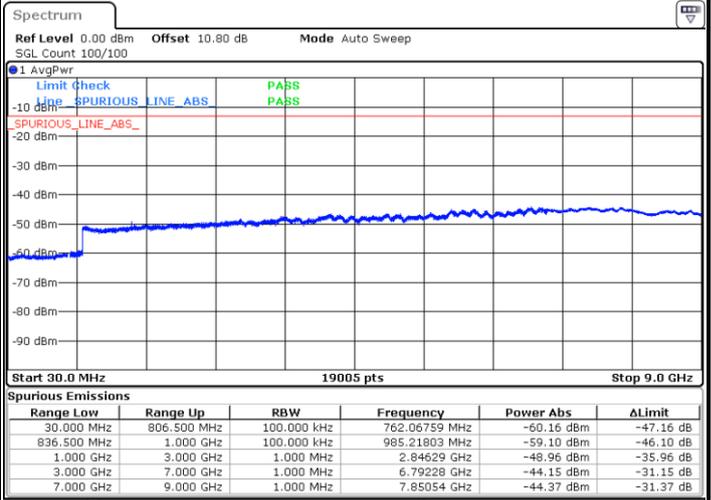
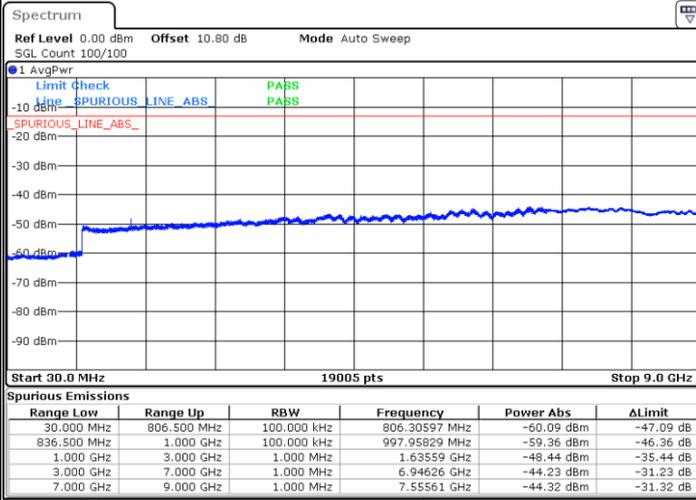
Date: 7. JAN 2020 01:42:14



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

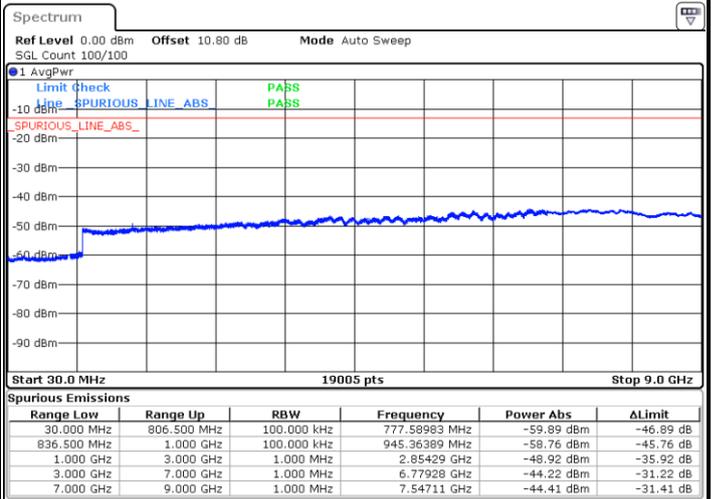
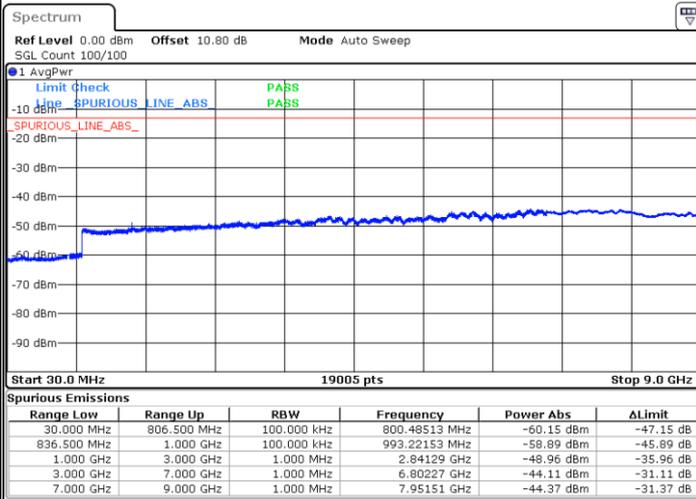


Date: 7. JAN 2020 01:43:46

Date: 7. JAN 2020 01:44:28

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7. JAN 2020 01:46:00

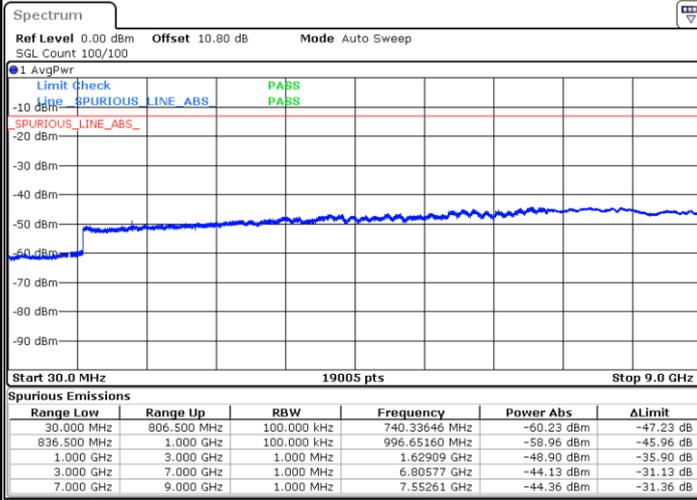
Date: 7. JAN 2020 01:46:42



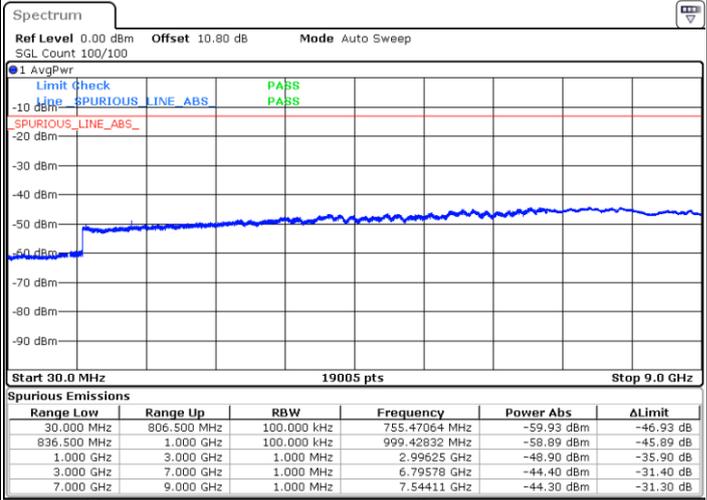
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



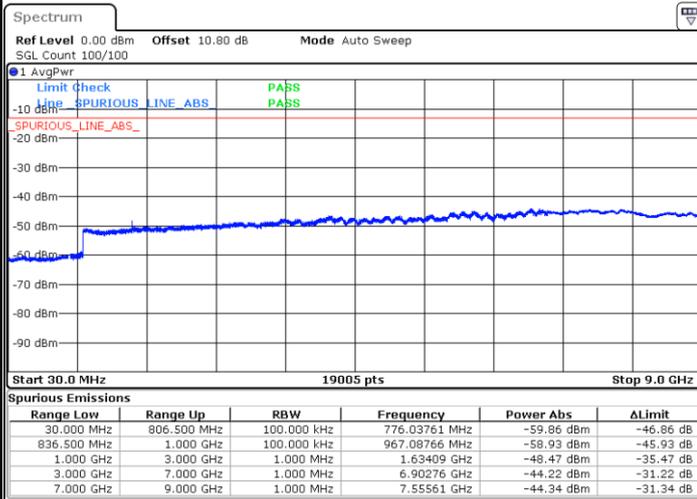
Date: 7. JAN 2020 01:48:14



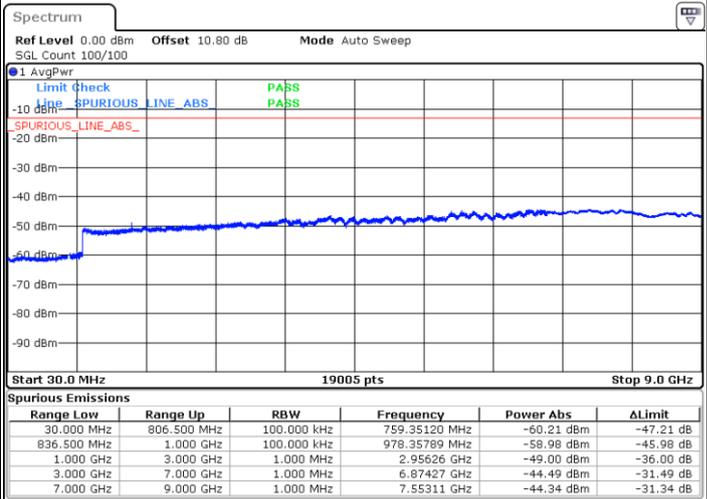
Date: 7. JAN 2020 01:48:56

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7. JAN 2020 01:50:28

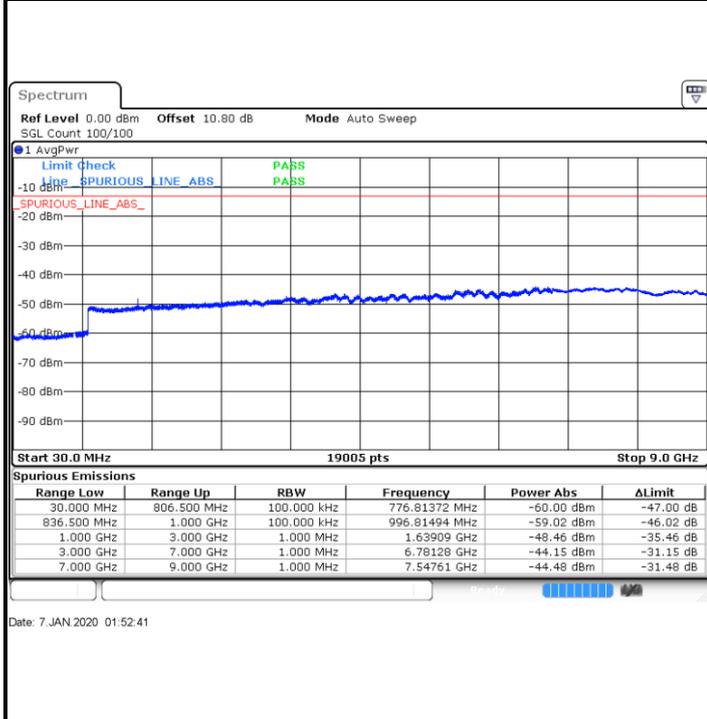


Date: 7. JAN 2020 01:51:10

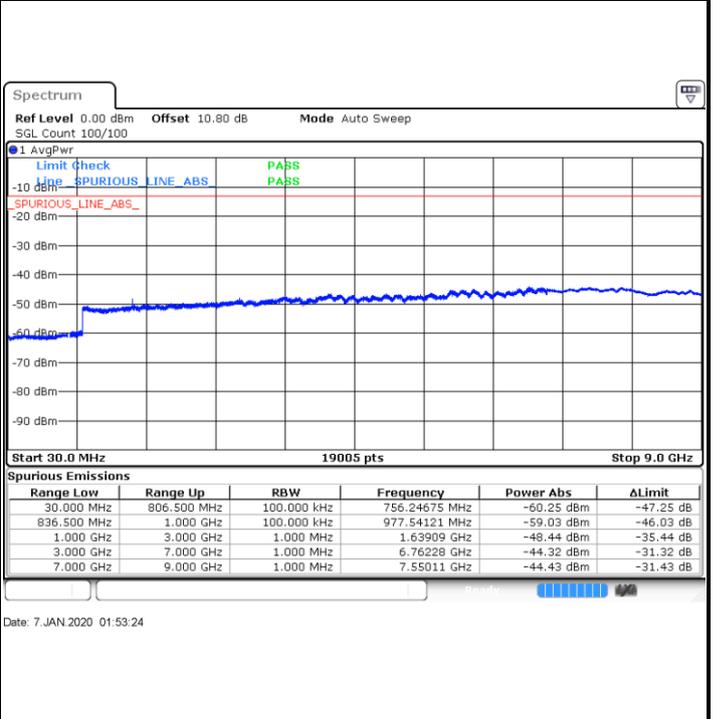


LTE Band 26 / 5MHz

Highest Channel / QPSK

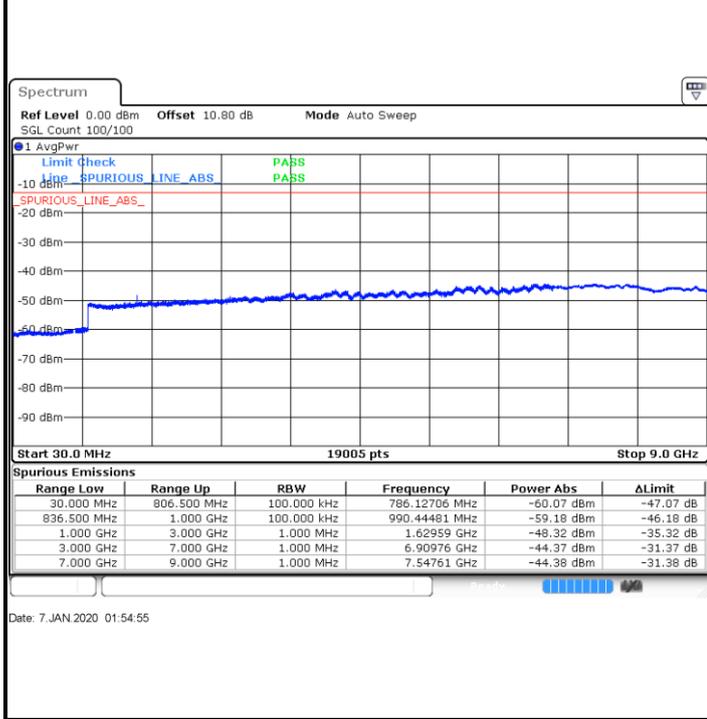


Highest Channel / 16QAM

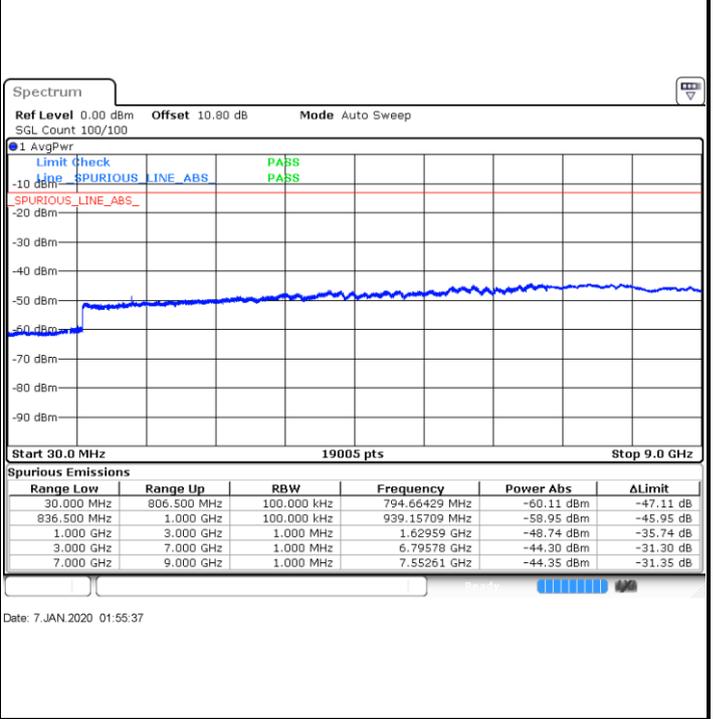


LTE Band 26 / 10MHz

Middle Channel / QPSK

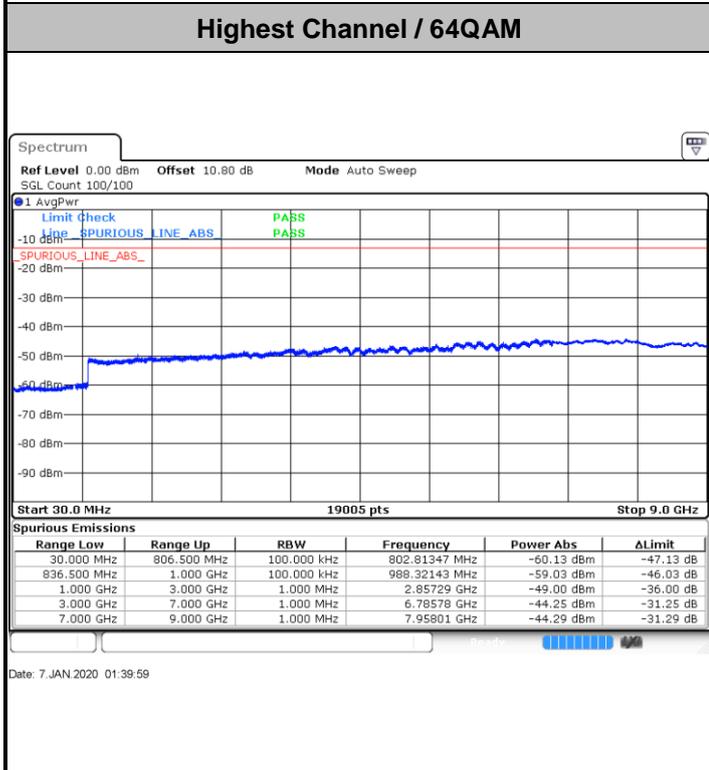
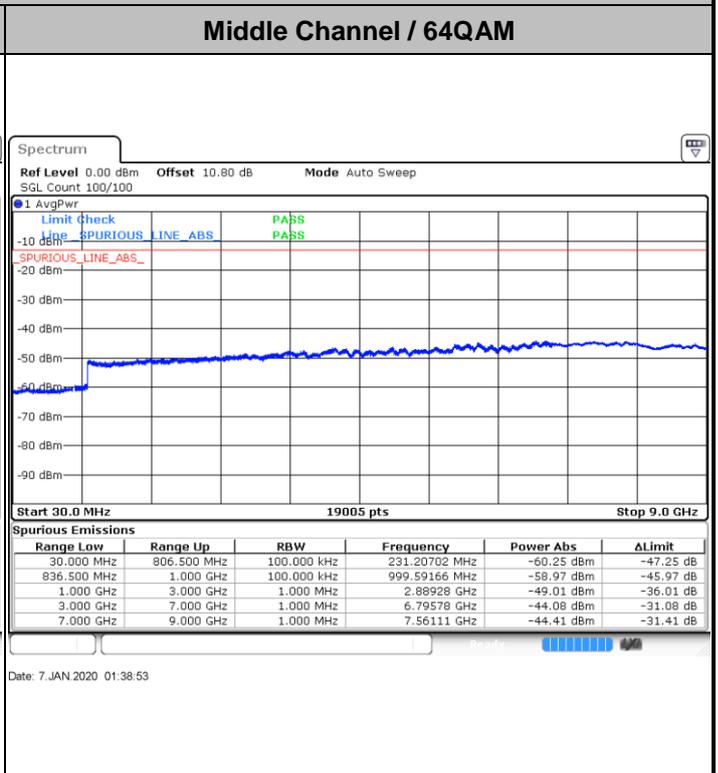
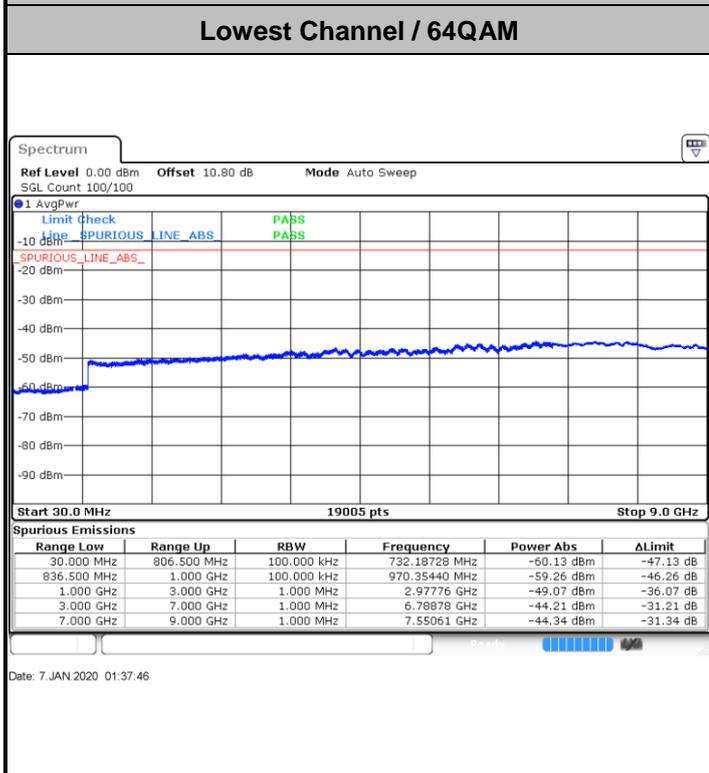


Middle Channel / 16QAM





LTE Band 26 / 1.4MHz

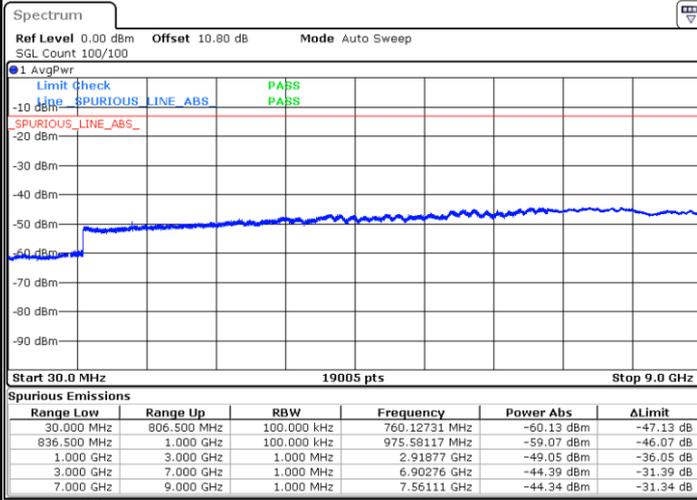




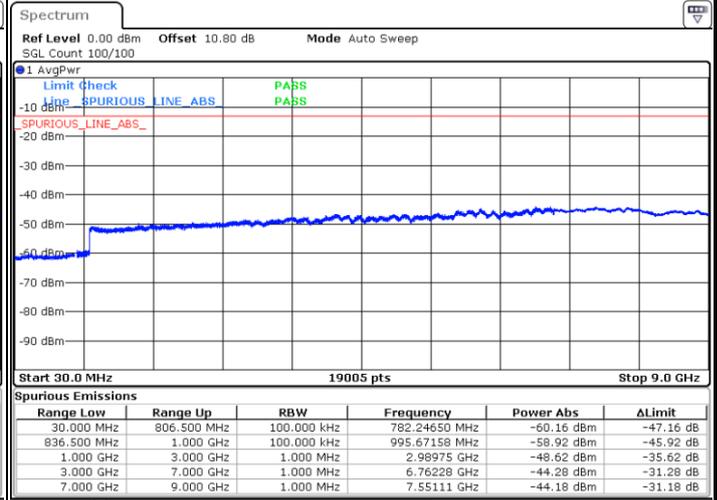
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

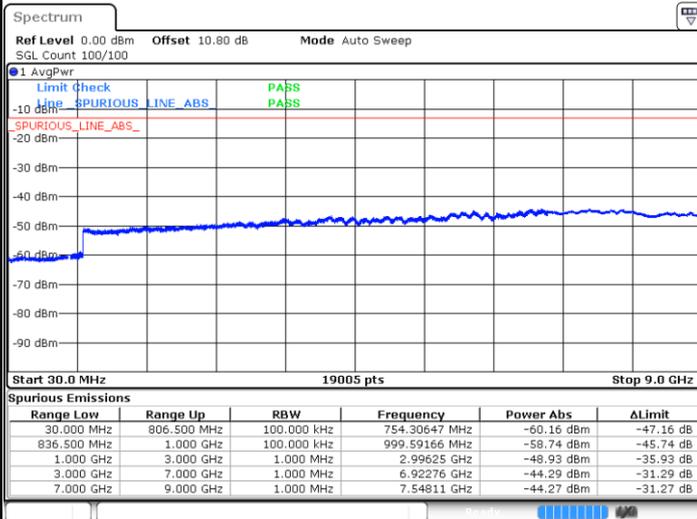


Date: 7. JAN 2020 01:27:27



Date: 7. JAN 2020 01:28:33

Highest Channel / 64QAM



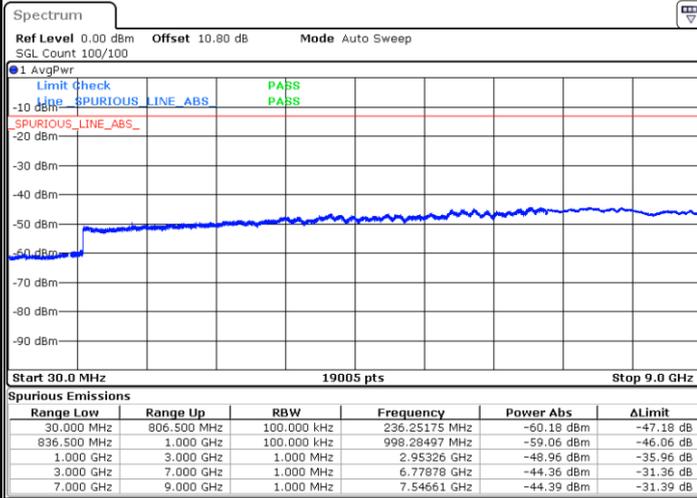
Date: 7. JAN 2020 01:29:40



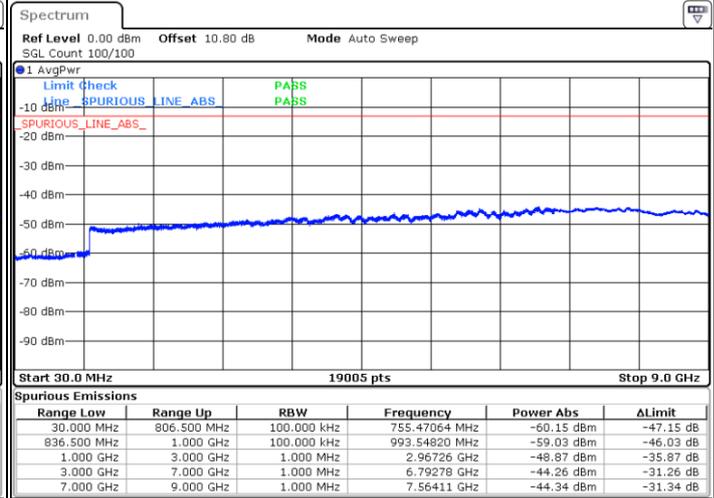
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

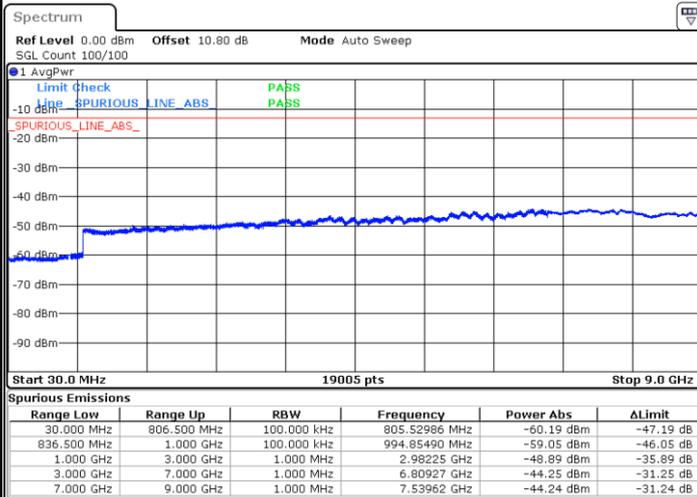


Date: 7. JAN 2020 01:30:47

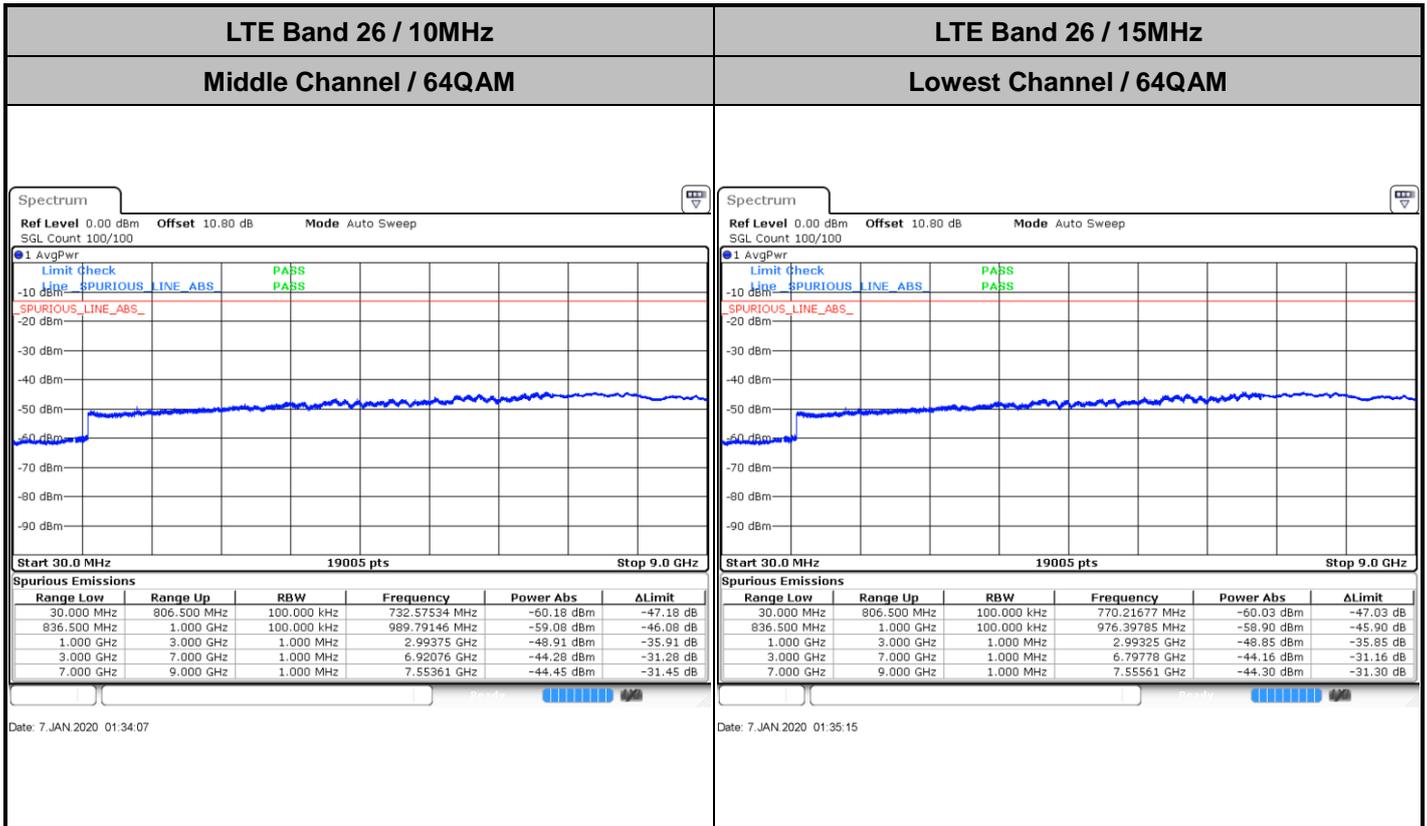


Date: 7. JAN 2020 01:31:54

Highest Channel / 64QAM



Date: 7. JAN 2020 01:33:01





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	0.0153	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0079	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0197	
0	Normal Voltage	0.0067	
-10	Normal Voltage	0.0062	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0077	
20	Maximum Voltage	0.0188	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0133	

Note:

1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.9 V. ; Maximum Voltage =8.5 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	0.0180	PASS
40	Normal Voltage	0.0141	
30	Normal Voltage	0.0080	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0102	
-10	Normal Voltage	0.0045	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0114	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.9 V. ; Maximum Voltage =8.5 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 = -2.92 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.86	0.2432	18.79	0.0757
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	23.14	0.2061	18.07	0.0641
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	22.00	0.1585	16.93	0.0493
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



Radiated Spurious Emission

Part 90S 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	1629	-61.34	-13	-48.34	-74.28	-66.66	1.22	8.69	H
	2440	-48.41	-13	-35.41	-65.31	-55.28	1.43	10.45	H
	3257	-56.61	-13	-43.61	-75.44	-64.46	1.67	11.67	H
	1629	-61.77	-13	-48.77	-74.56	-67.09	1.22	8.69	V
	2440	-49.56	-13	-36.56	-66.87	-56.43	1.43	10.45	V
	3257	-56.55	-13	-43.55	-75.67	-64.40	1.67	11.67	V
Middle	1634	-60.92	-13	-47.92	-73.87	-66.26	1.22	8.71	H
	2448	-46.88	-13	-33.88	-63.76	-53.76	1.43	10.46	H
	3267	-56.93	-13	-43.93	-75.7	-64.80	1.68	11.70	H
	1634	-60.61	-13	-47.61	-73.42	-65.95	1.22	8.71	V
	2448	-49.82	-13	-36.82	-67.08	-56.70	1.43	10.46	V
	3267	-56.54	-13	-43.54	-75.63	-64.41	1.68	11.70	V
Highest	1639	-59.87	-13	-46.87	-72.82	-65.23	1.22	8.73	H
	2456	-46.37	-13	-33.37	-63.23	-53.25	1.43	10.46	H
	3277	-56.50	-13	-43.50	-75.21	-64.39	1.69	11.73	H
	1639	-60.71	-13	-47.71	-73.52	-66.07	1.22	8.73	V
	2456	-49.30	-13	-36.30	-66.51	-56.18	1.43	10.46	V
	3277	-56.43	-13	-43.43	-75.49	-64.32	1.69	11.73	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	1648	-57.21	-13	-44.21	-70.18	-62.60	1.23	8.76	H
	2472	-45.34	-13	-32.34	-62.17	-52.23	1.44	10.48	H
	3294	-56.99	-13	-43.99	-75.6	-64.92	1.70	11.78	H
	1648	-59.90	-13	-46.90	-72.75	-65.29	1.23	8.76	V
	2472	-48.76	-13	-35.76	-65.88	-55.65	1.44	10.48	V
	3294	-56.57	-13	-43.57	-75.57	-64.50	1.70	11.78	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	-60.04	-13	-47.04	-72.98	-65.37	1.22	8.70	H
	2448	-49.23	-13	-36.23	-66.11	-56.11	1.43	10.46	H
	3259	-56.07	-13	-43.07	-74.89	-63.92	1.67	11.68	H
	1632	-60.58	-13	-47.58	-73.38	-65.91	1.22	8.70	V
	2448	-50.15	-13	-37.15	-67.41	-57.03	1.43	10.46	V
	3259	-56.50	-13	-43.50	-75.61	-64.35	1.67	11.68	V

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