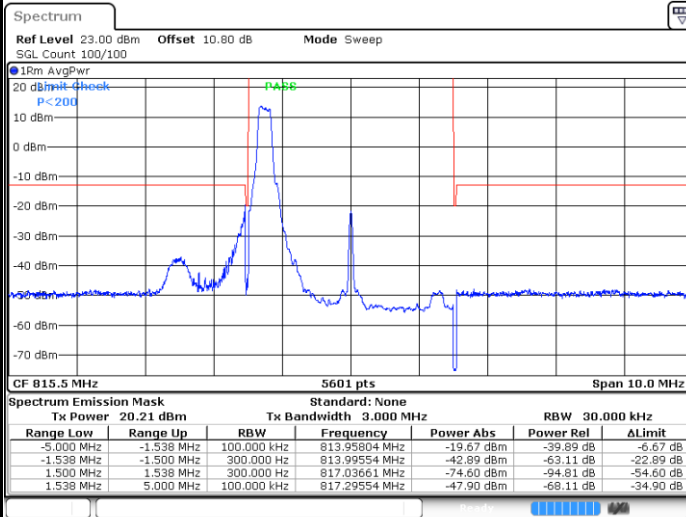




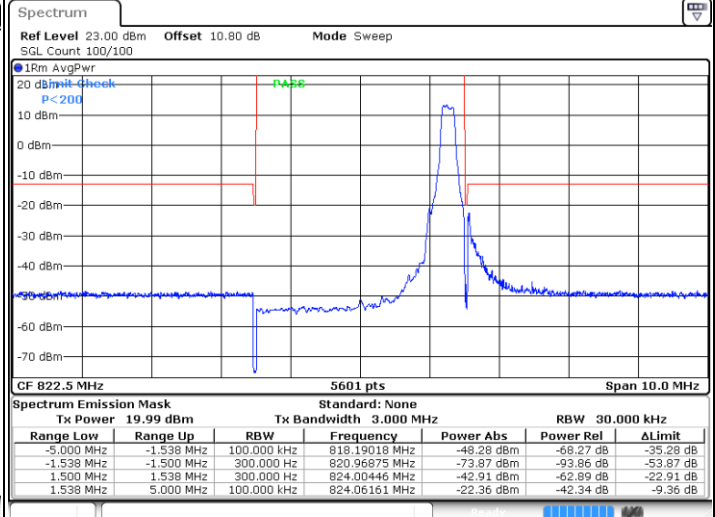
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



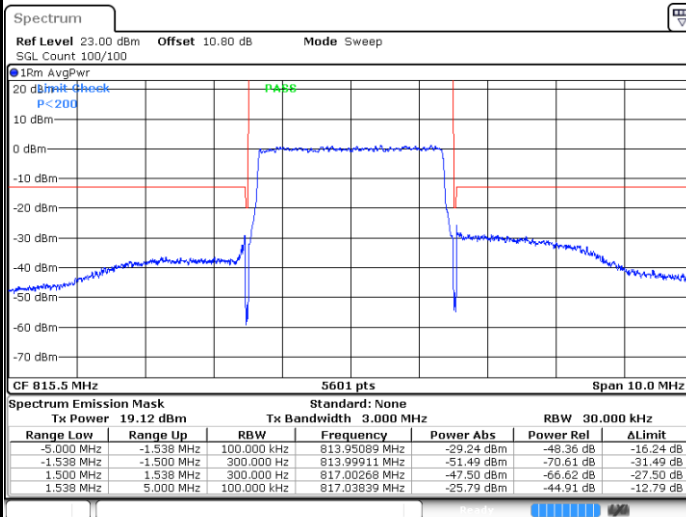
Date: 20 JAN 2020 16:52:56

Highest Band Edge / 1 RB



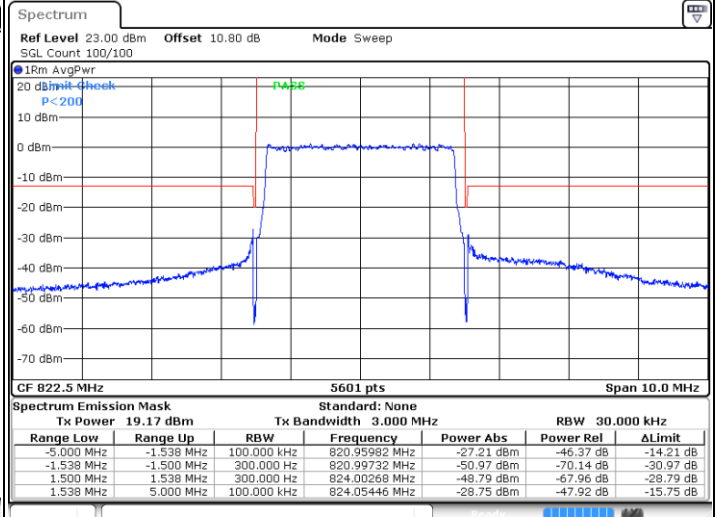
Date: 20 JAN 2020 16:54:17

Lowest Band Edge / Full RB



Date: 20 JAN 2020 16:53:36

Highest Band Edge / Full RB

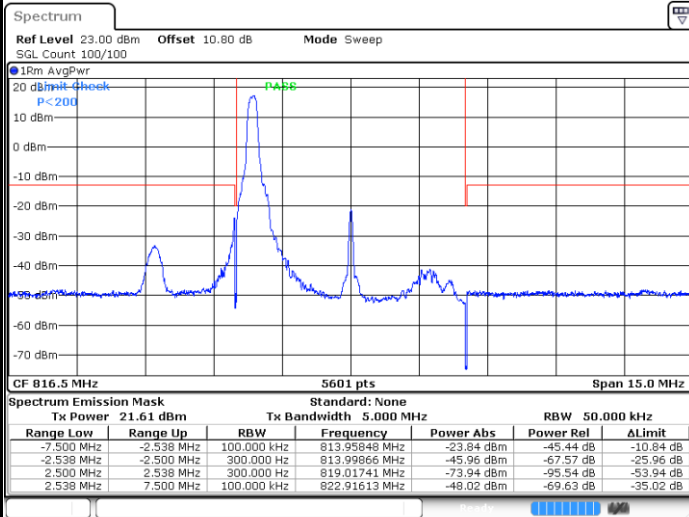


Date: 20 JAN 2020 16:54:57

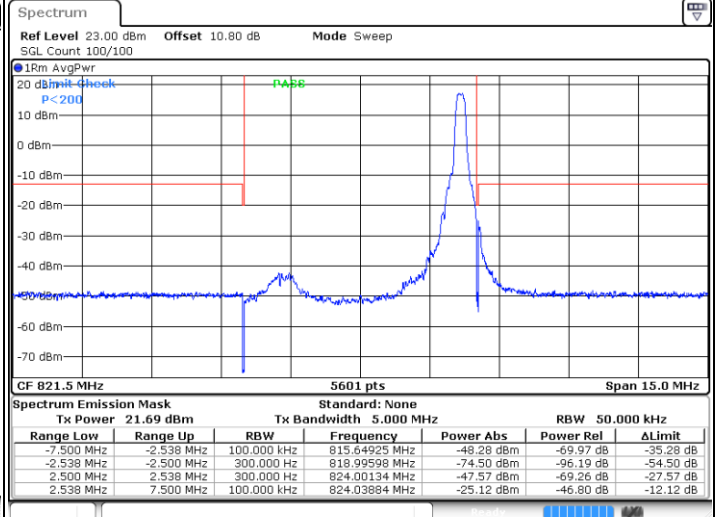


LTE Band 26 / 5MHz / QPSK

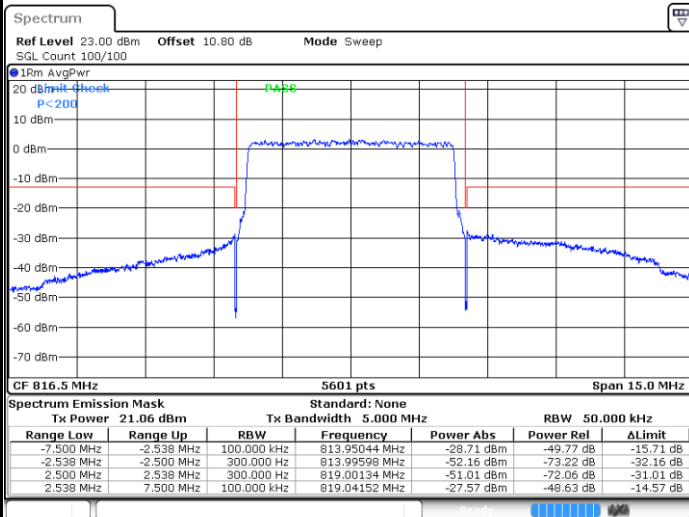
Lowest Band Edge / 1 RB



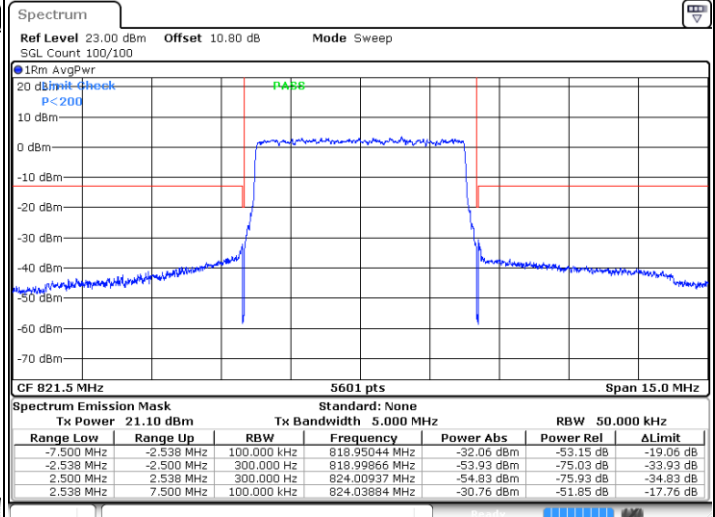
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



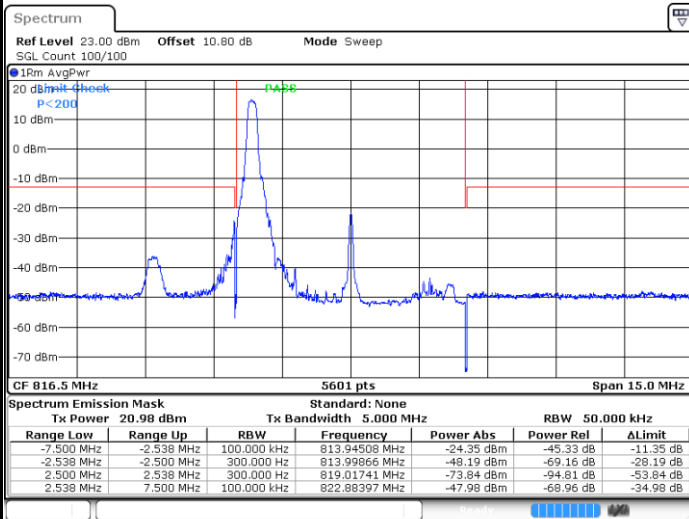
Highest Band Edge / Full RB





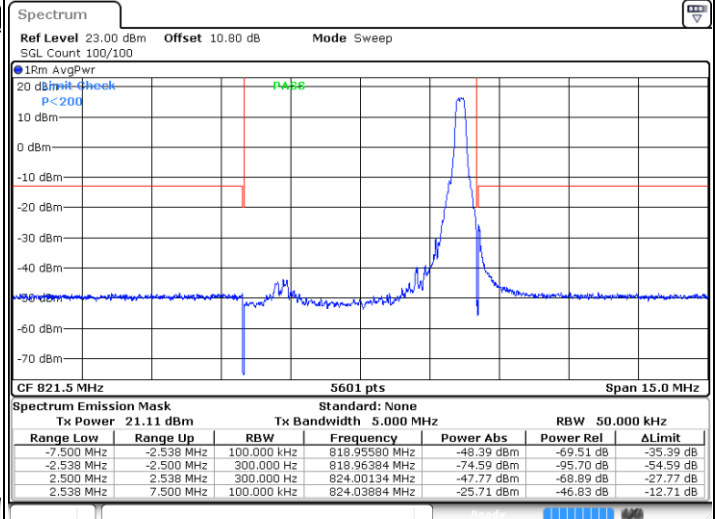
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



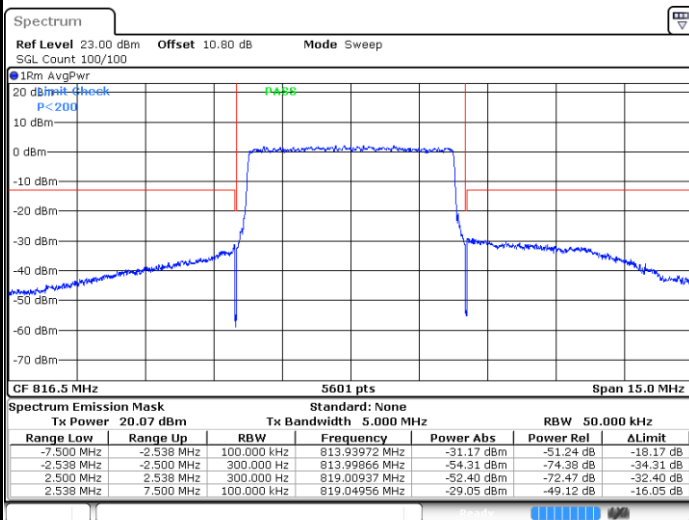
Date: 20 JAN 2020 16:37:27

Highest Band Edge / 1 RB



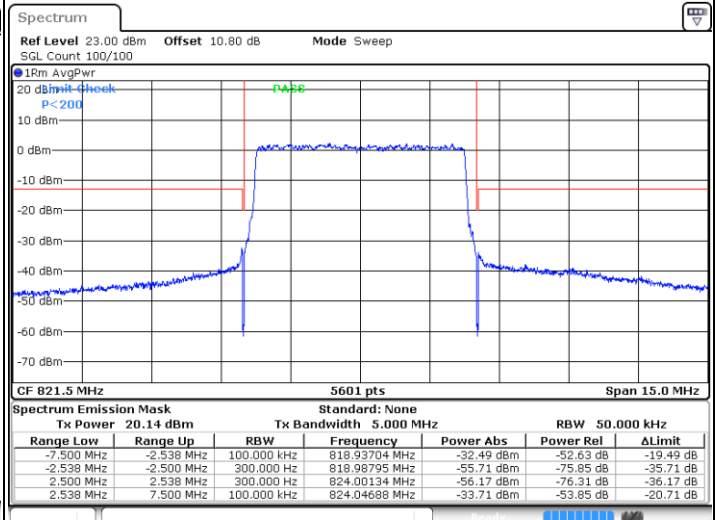
Date: 20 JAN 2020 16:40:08

Lowest Band Edge / Full RB



Date: 20 JAN 2020 16:38:48

Highest Band Edge / Full RB

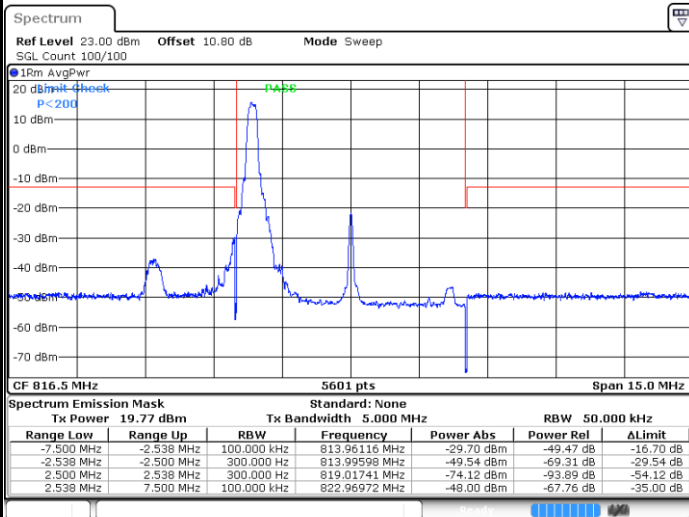


Date: 20 JAN 2020 16:41:29

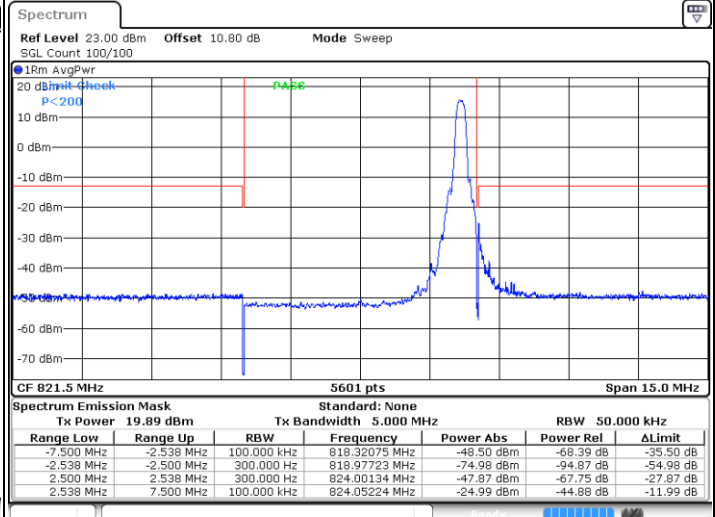


LTE Band 26 / 5MHz / 64QAM

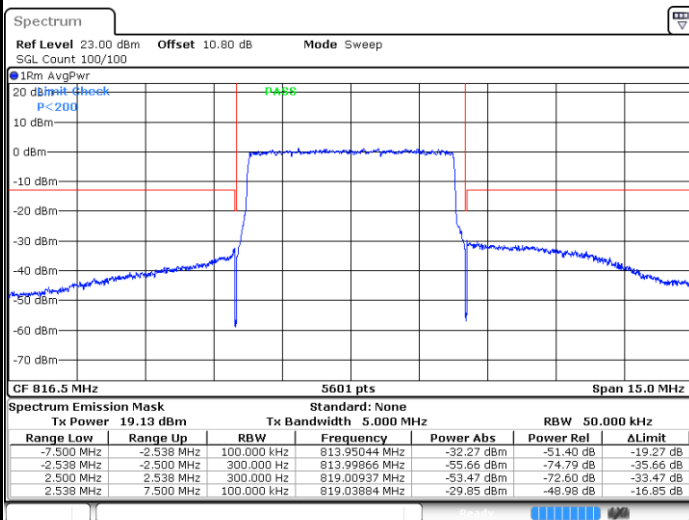
Lowest Band Edge / 1RB



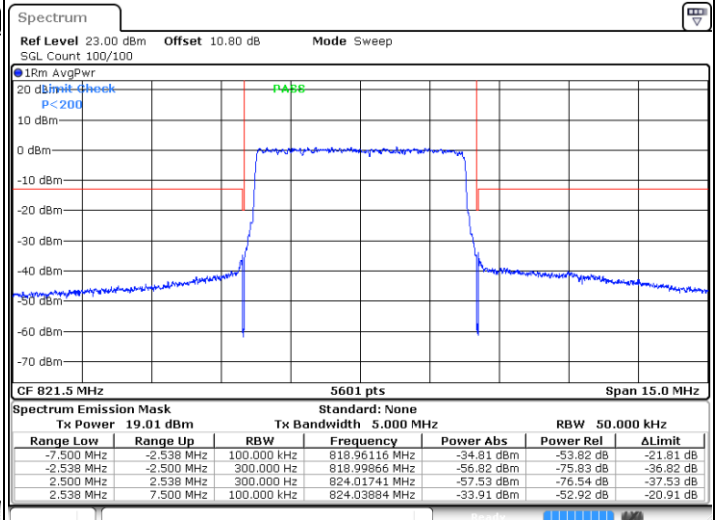
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



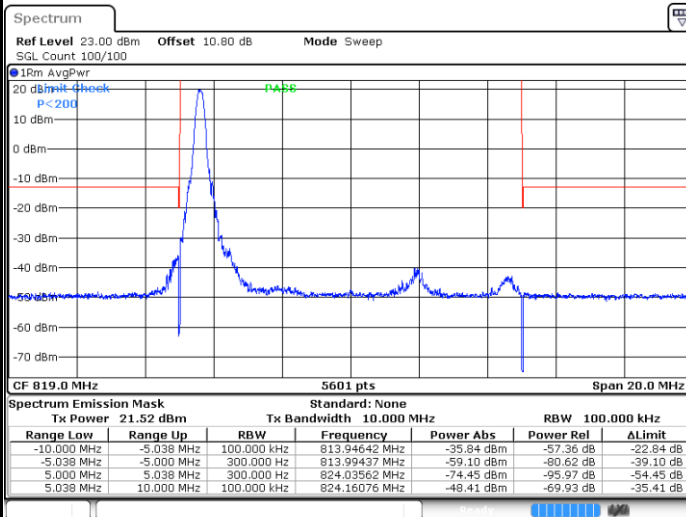
Highest Band Edge / Full RB



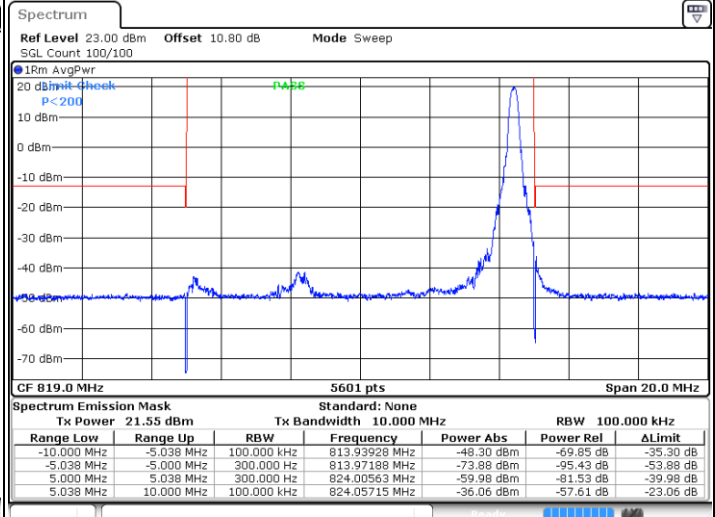


LTE Band 26 / 10MHz / QPSK

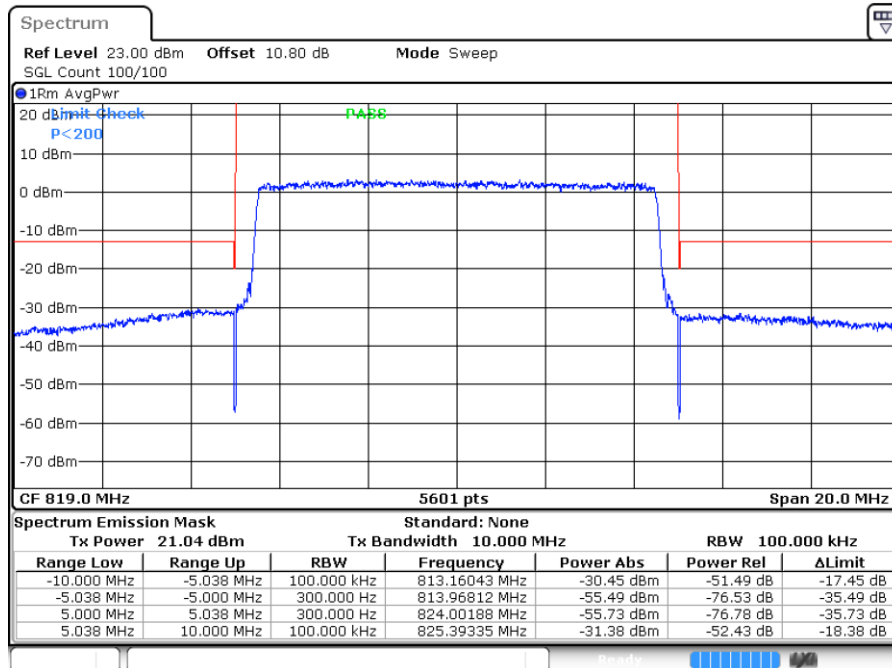
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



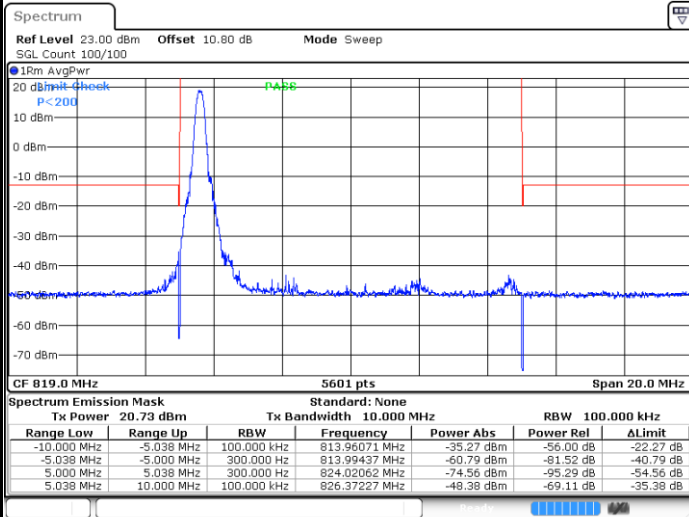
Band Edge / Full RB





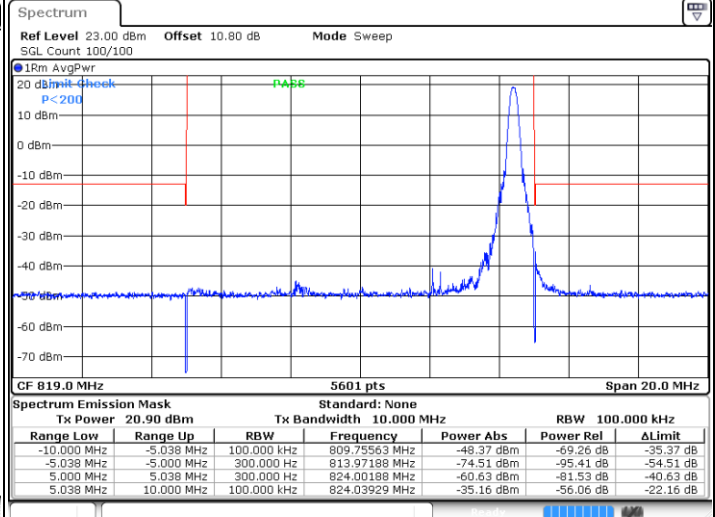
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



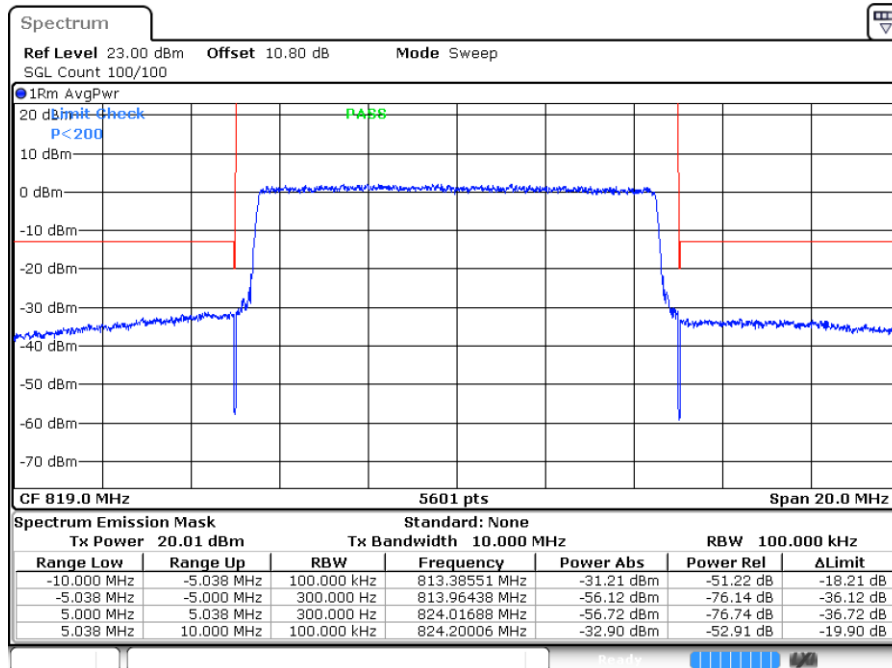
Date: 20. JAN 2020 16:42:50

Highest Band Edge / 1 RB



Date: 20. JAN 2020 16:44:11

Band Edge / Full RB

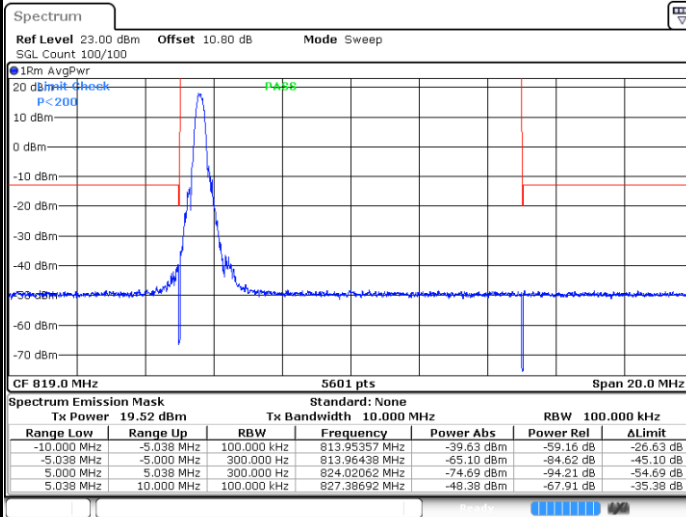


Date: 20. JAN 2020 16:45:31



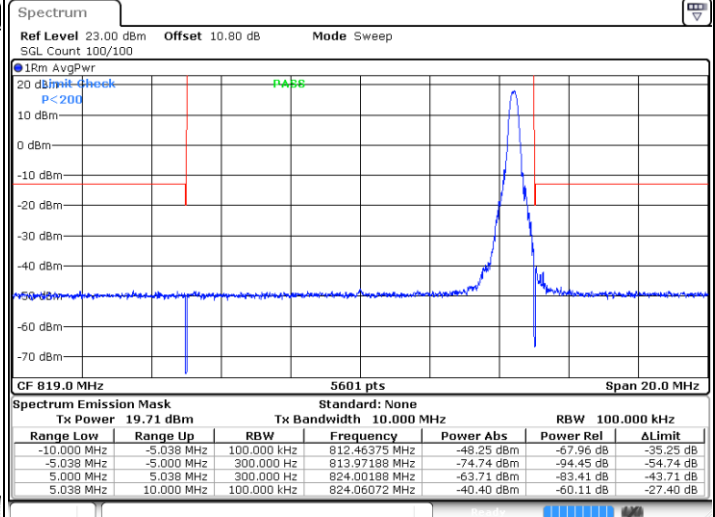
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



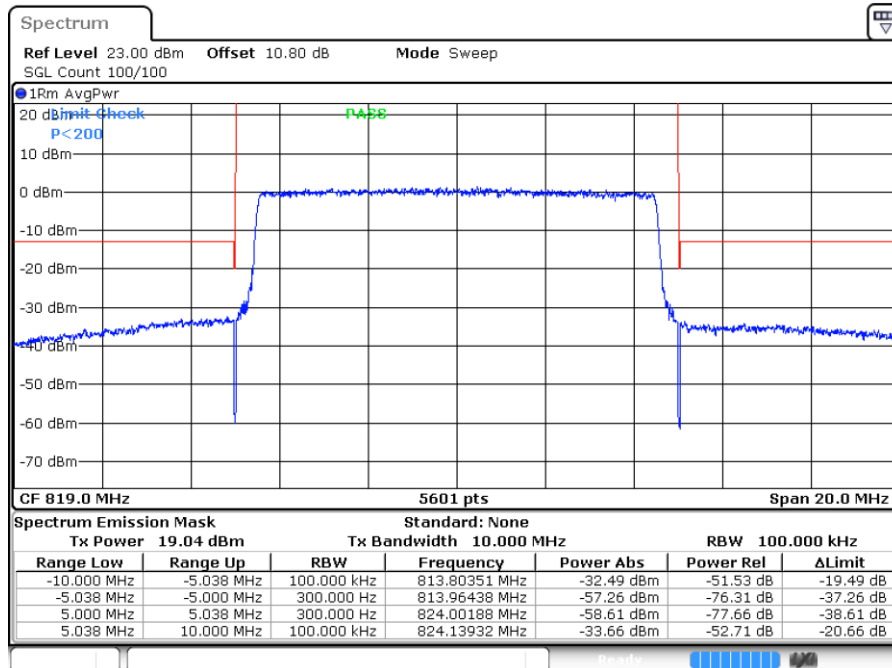
Date: 20 JAN 2020 16:58:20

Highest Band Edge / 1 RB



Date: 20 JAN 2020 16:59:00

Band Edge / Full RB

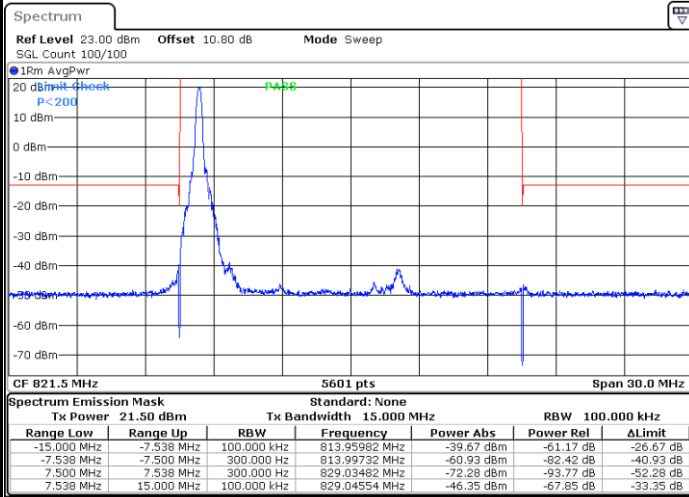


Date: 20 JAN 2020 16:59:40



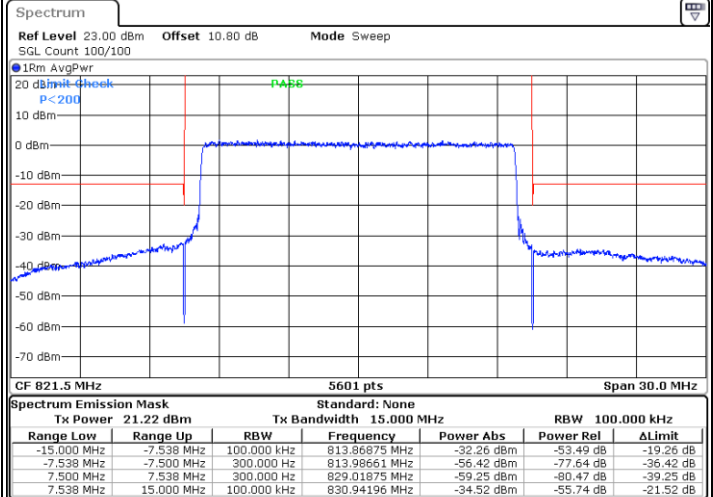
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 20 JAN 2020 16:46:12

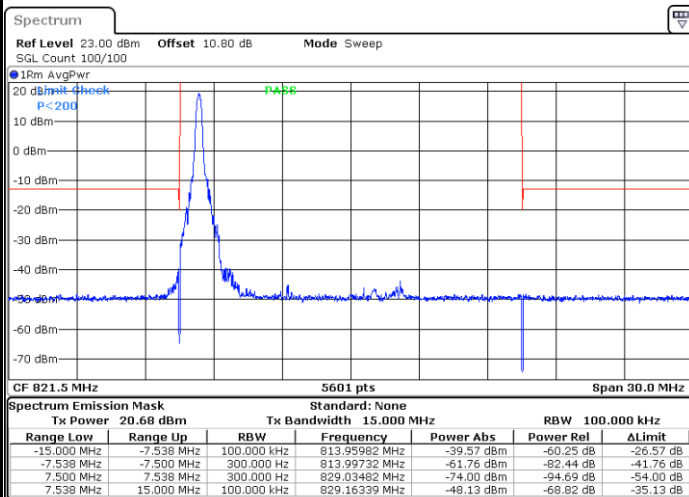
Lowest Band Edge / Full RB



Date: 20 JAN 2020 16:48:53

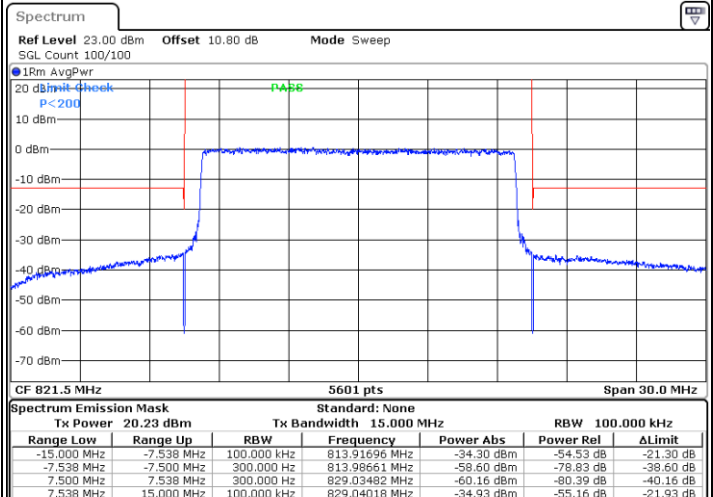
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 20 JAN 2020 16:46:52

Lowest Band Edge / Full RB

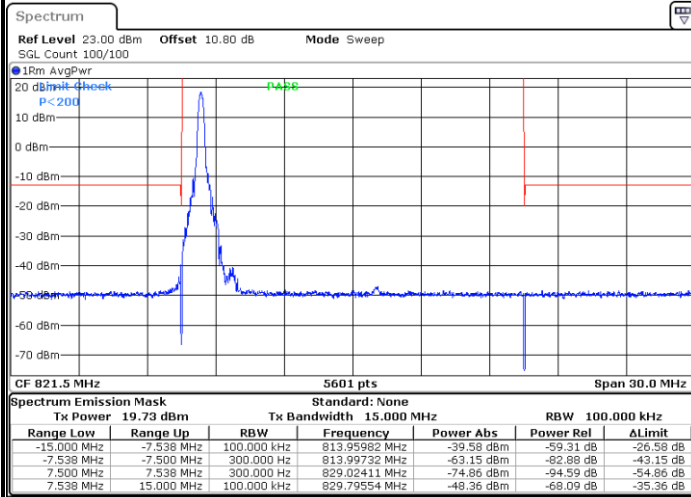


Date: 20 JAN 2020 16:49:33



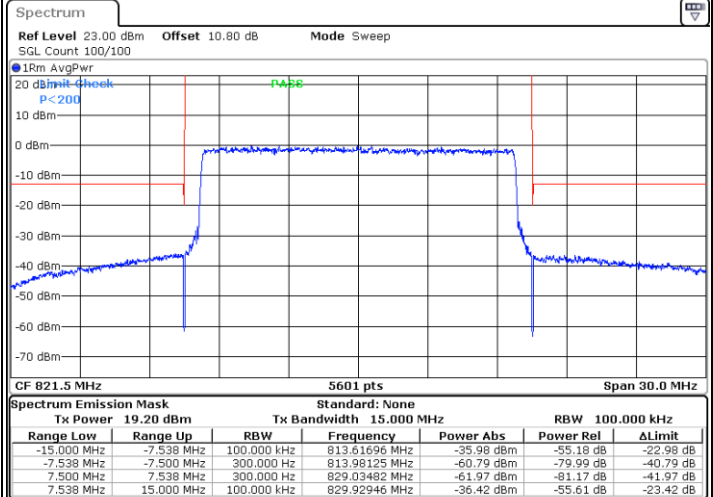
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

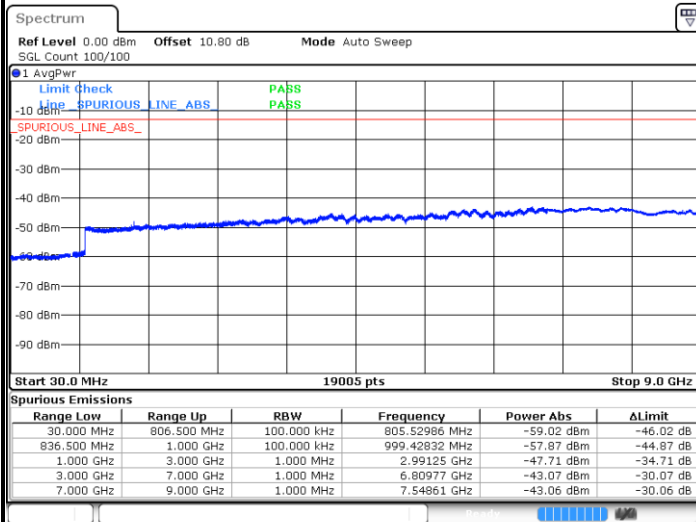
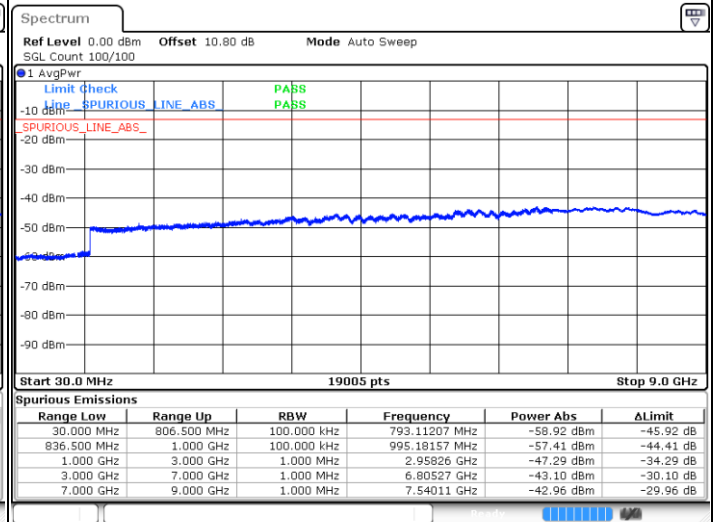
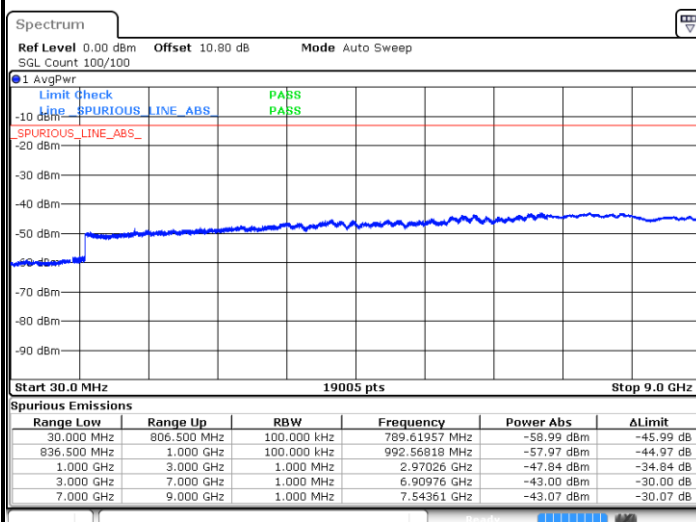
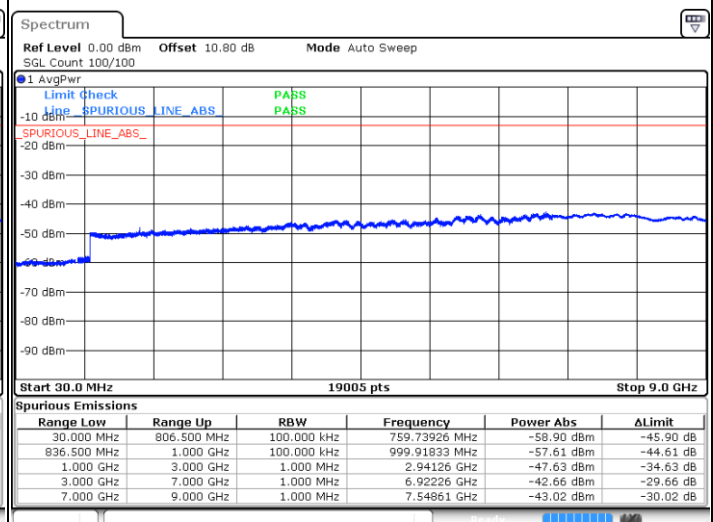


Date: 20 JAN 2020 17:00:21

Lowest Band Edge / Full RB



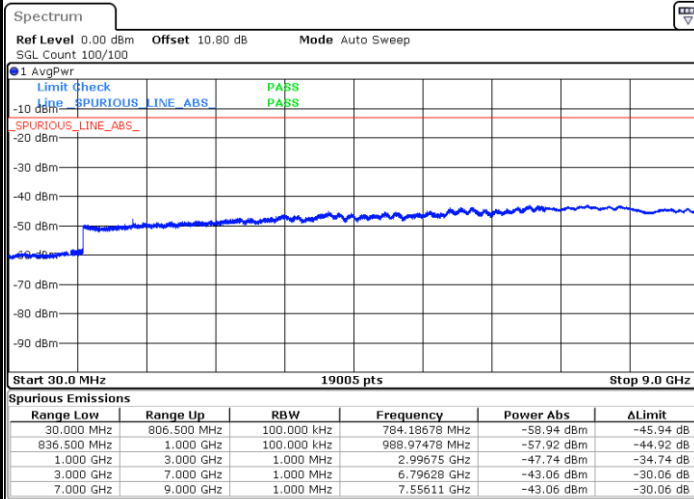
Date: 20 JAN 2020 17:01:41

**Conducted Spurious Emission****LTE Band 26 / 1.4MHz****Lowest Channel / QPSK****Lowest Channel / 16QAM****Middle Channel / QPSK****Middle Channel / 16QAM**



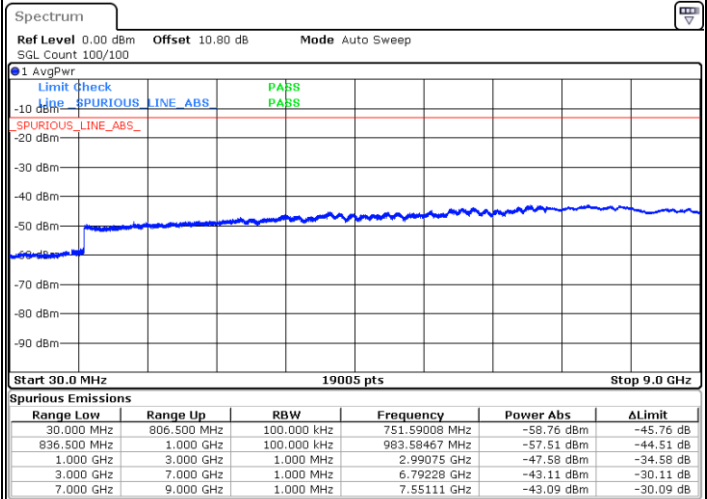
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 20 JAN 2020 17:22:24

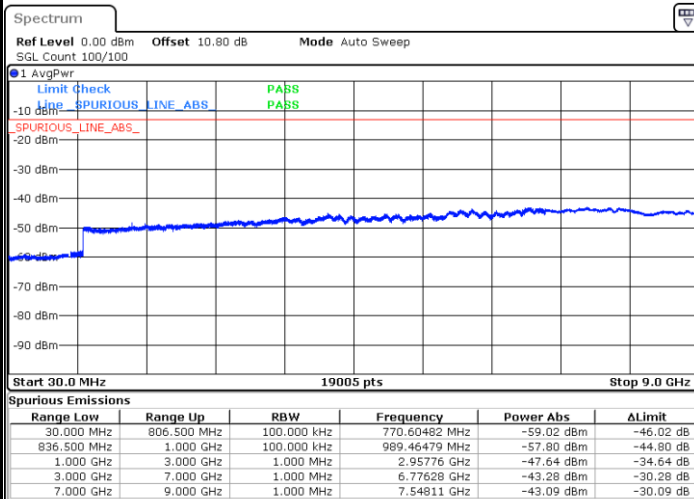
Highest Channel / 16QAM



Date: 20 JAN 2020 17:23:06

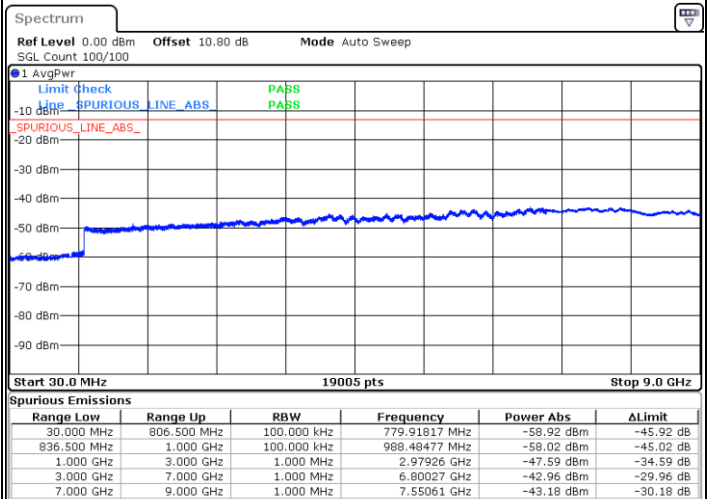
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 20 JAN 2020 17:53:46

Lowest Channel / 16QAM

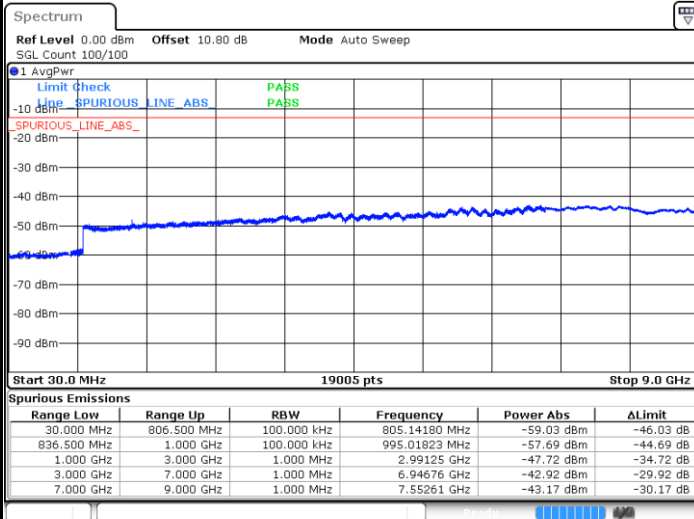


Date: 20 JAN 2020 17:54:28



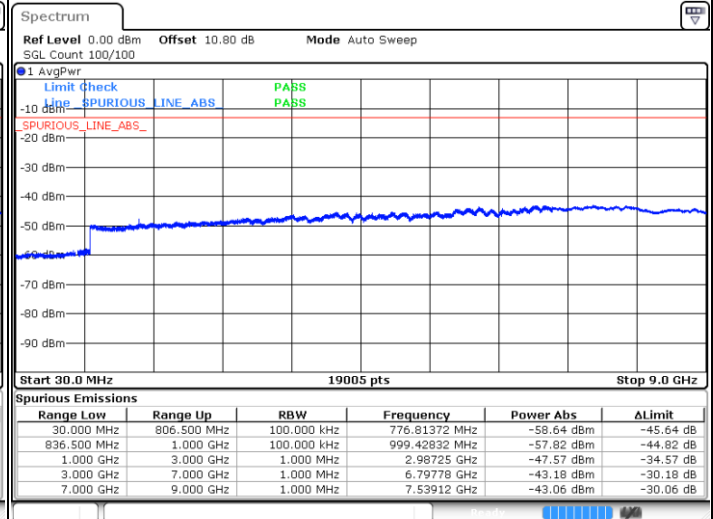
LTE Band 26 / 3MHz

Middle Channel / QPSK



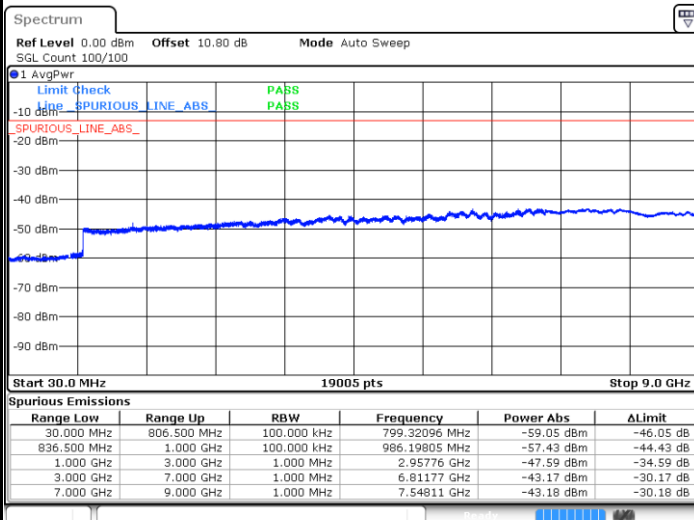
Date: 20 JAN 2020 17:55:10

Middle Channel / 16QAM



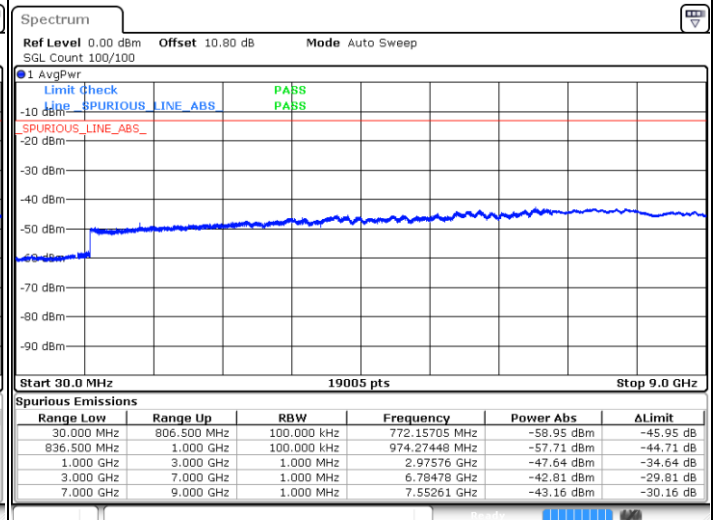
Date: 20 JAN 2020 17:55:53

Highest Channel / QPSK



Date: 20 JAN 2020 17:56:35

Highest Channel / 16QAM

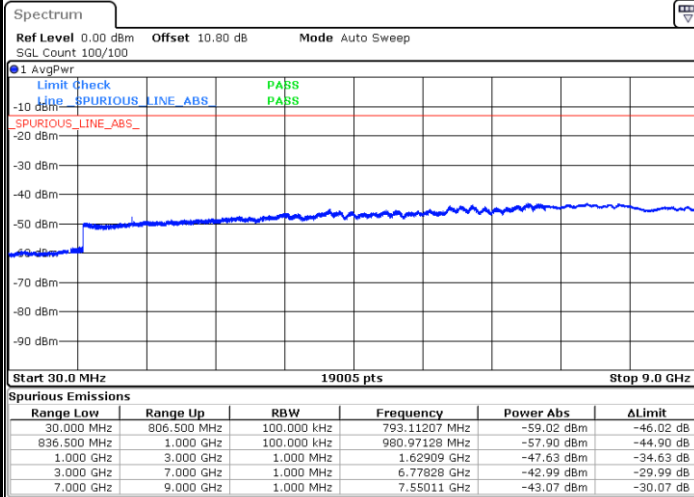


Date: 20 JAN 2020 17:57:17



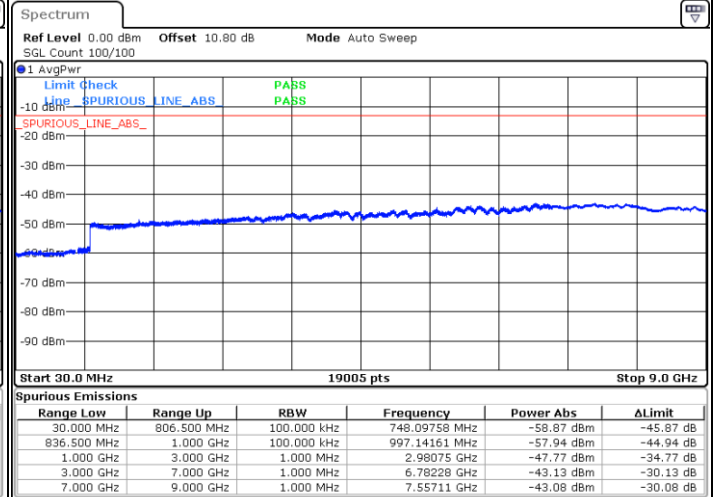
LTE Band 26 / 5MHz

Lowest Channel / QPSK



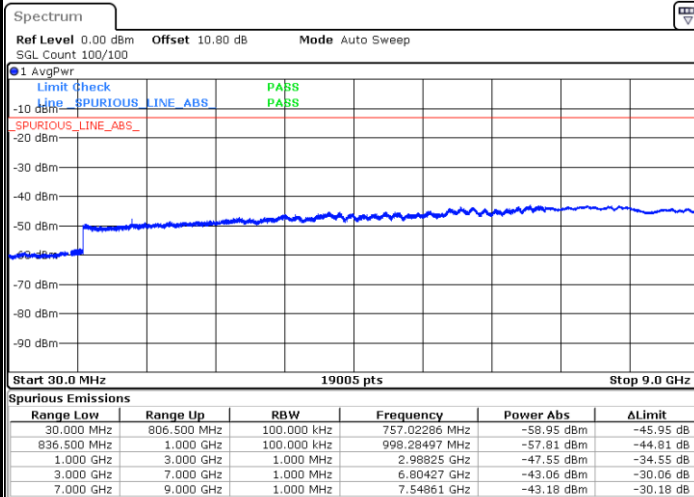
Date: 20 JAN 2020 17:58:00

Lowest Channel / 16QAM



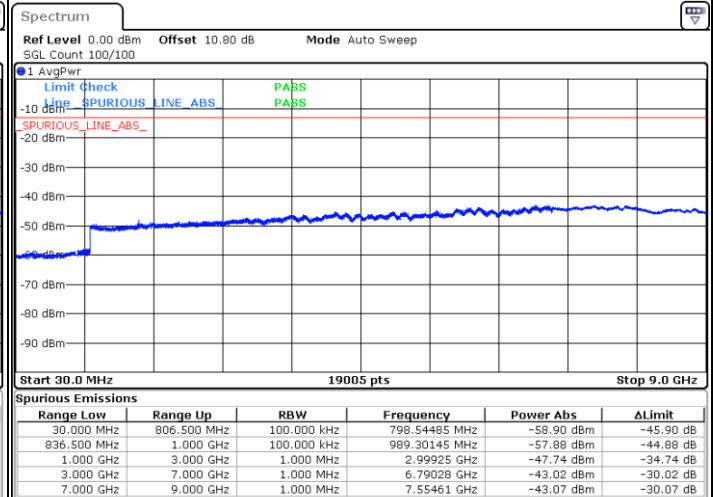
Date: 20 JAN 2020 17:58:43

Middle Channel / QPSK



Date: 20 JAN 2020 17:59:25

Middle Channel / 16QAM

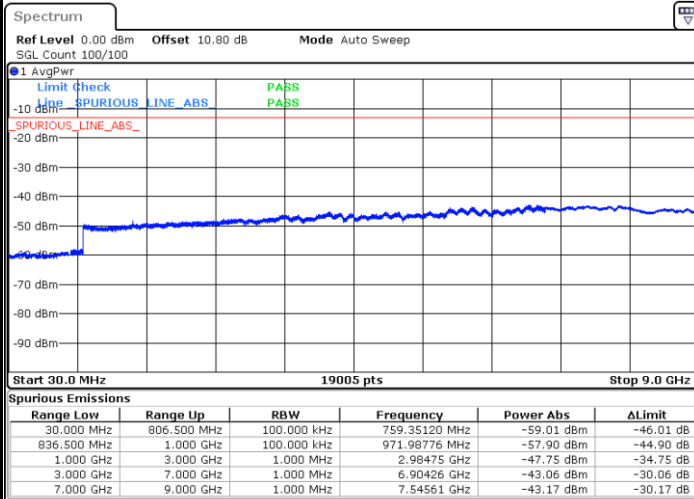


Date: 20 JAN 2020 18:00:07



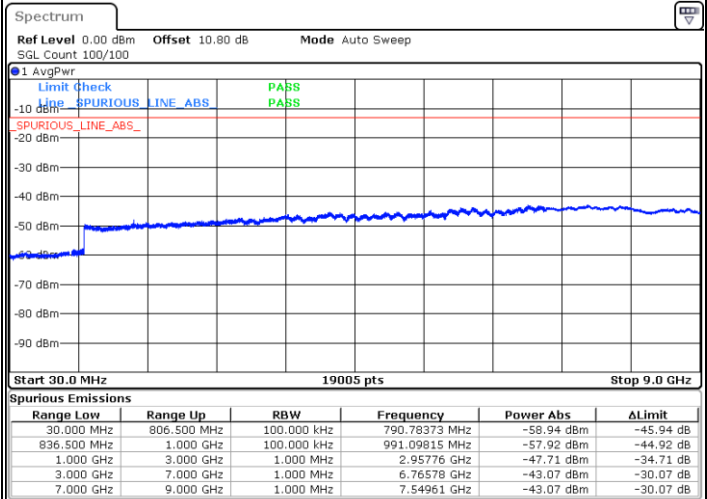
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 20 JAN 2020 18:00:50

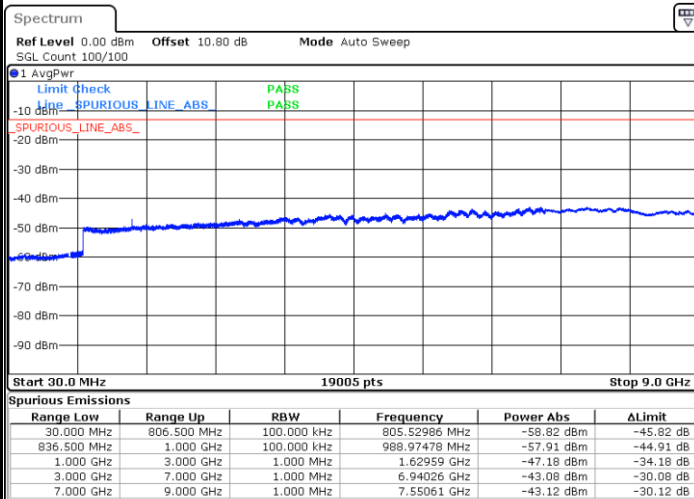
Highest Channel / 16QAM



Date: 20 JAN 2020 18:01:32

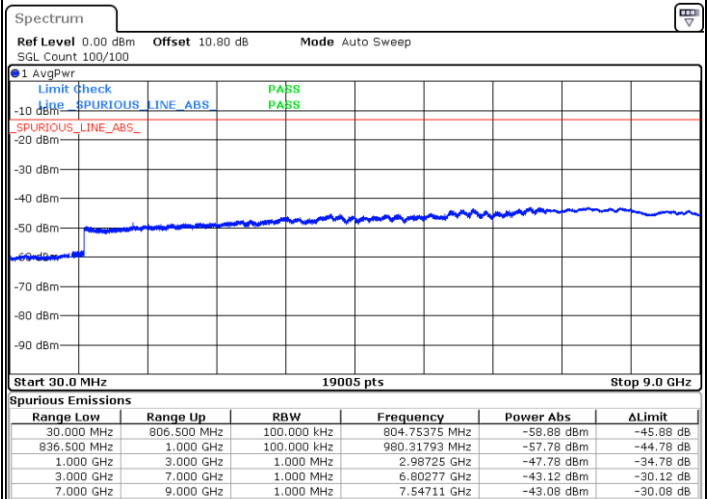
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 20 JAN 2020 18:09:46

Middle Channel / 16QAM

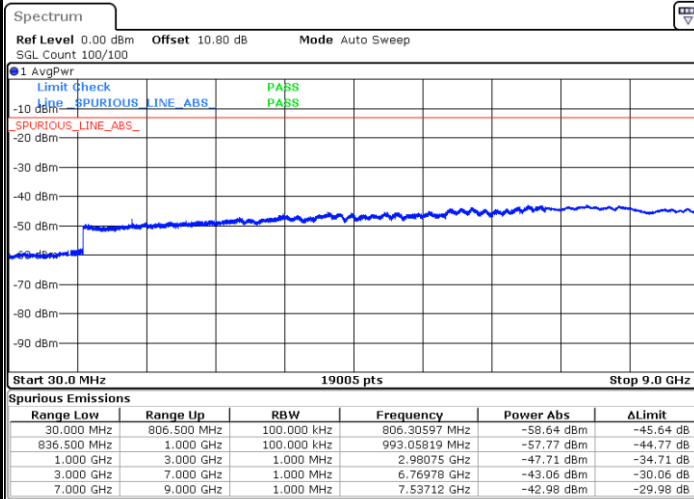


Date: 20 JAN 2020 18:10:44



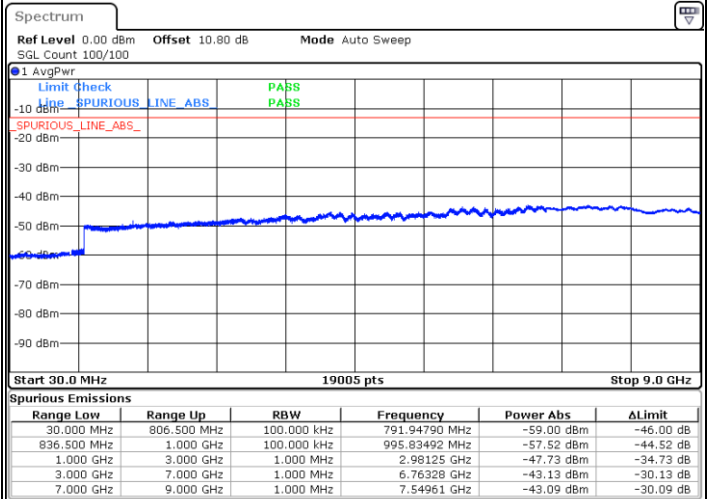
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 20 JAN 2020 18:04:18

Lowest Channel / 16QAM

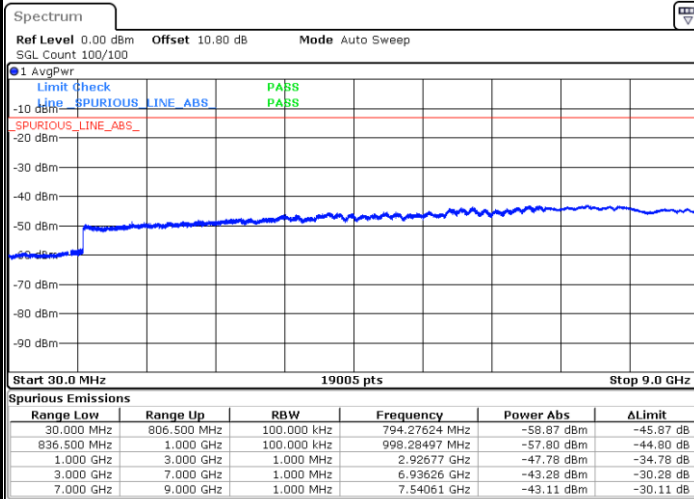


Date: 20 JAN 2020 18:05:01



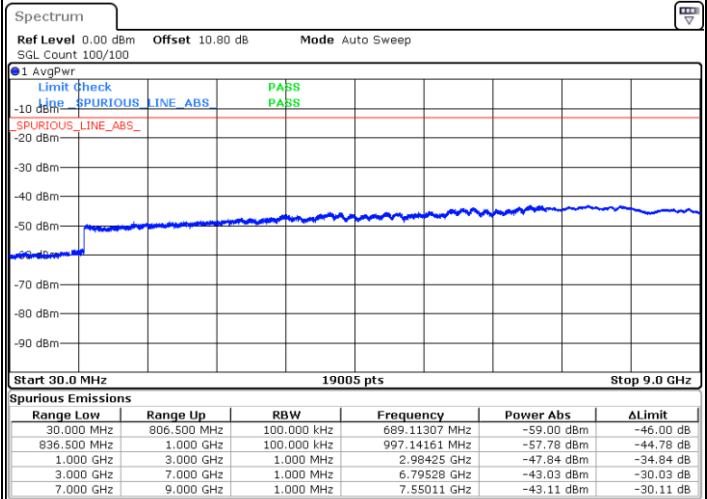
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



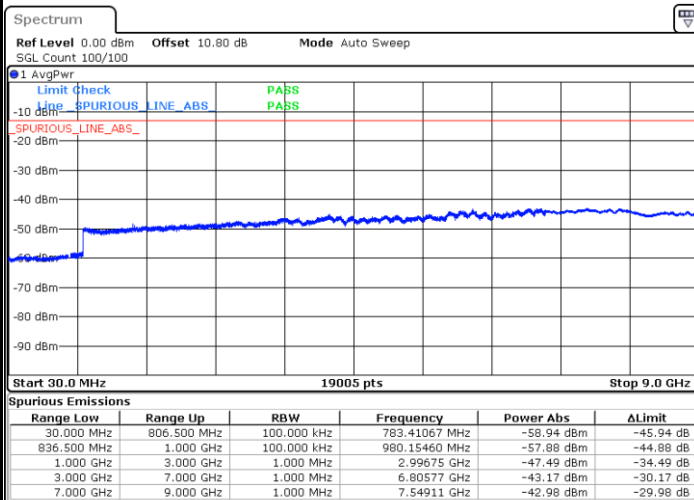
Date: 20 JAN 2020 17:50:34

Middle Channel / 64QAM



Date: 20 JAN 2020 17:49:48

Highest Channel / 64QAM

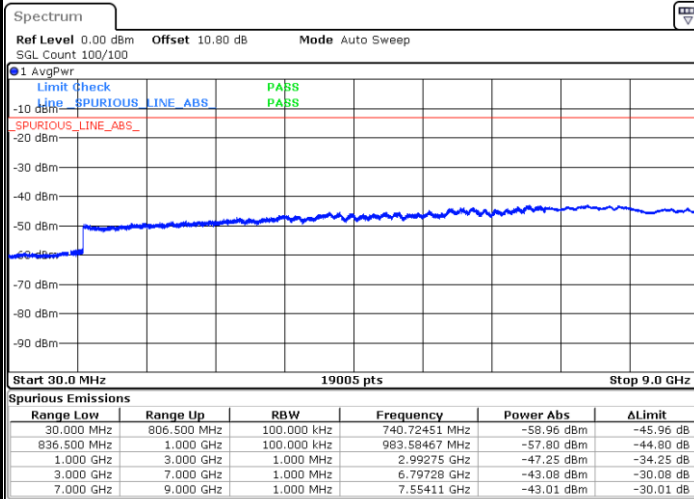


Date: 20 JAN 2020 17:48:56



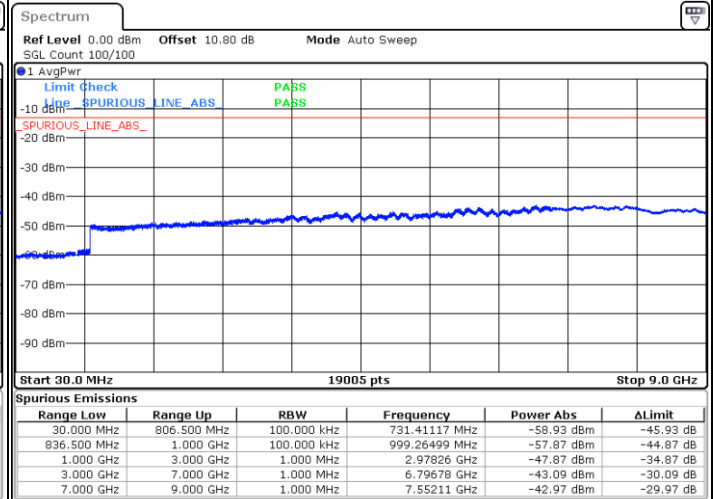
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



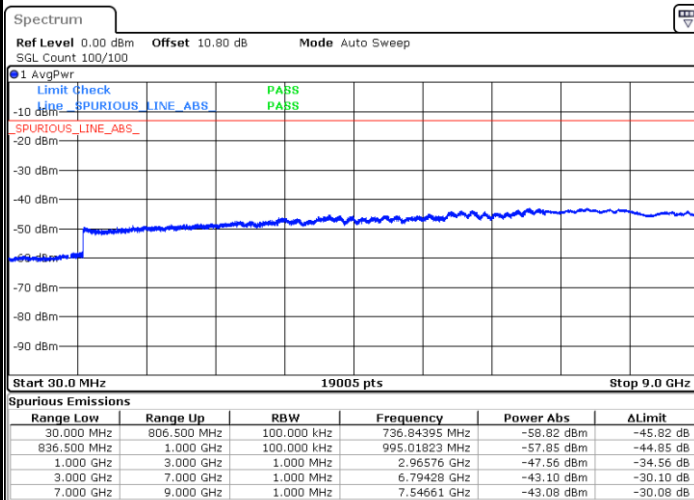
Date: 20 JAN 2020 17:02:48

Middle Channel / 64QAM



Date: 20 JAN 2020 17:03:55

Highest Channel / 64QAM

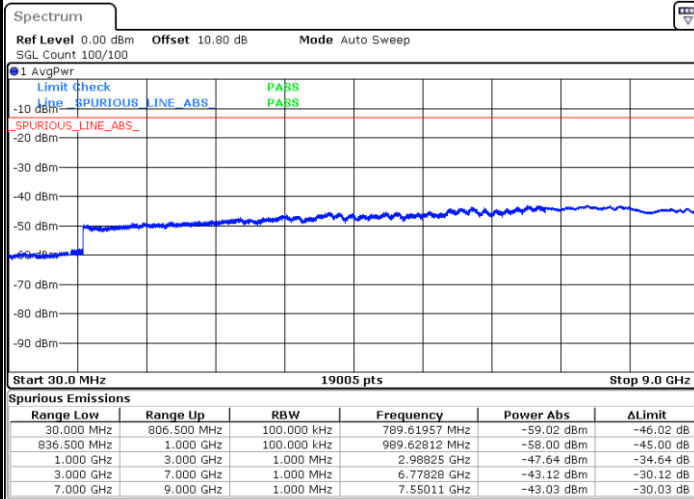


Date: 20 JAN 2020 17:05:01



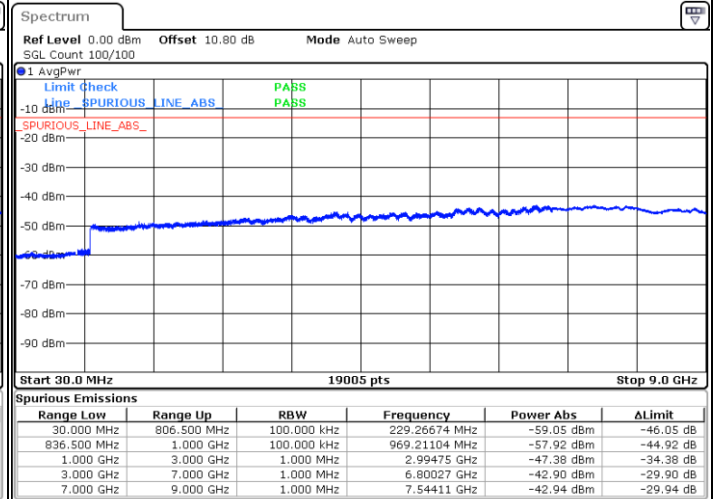
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



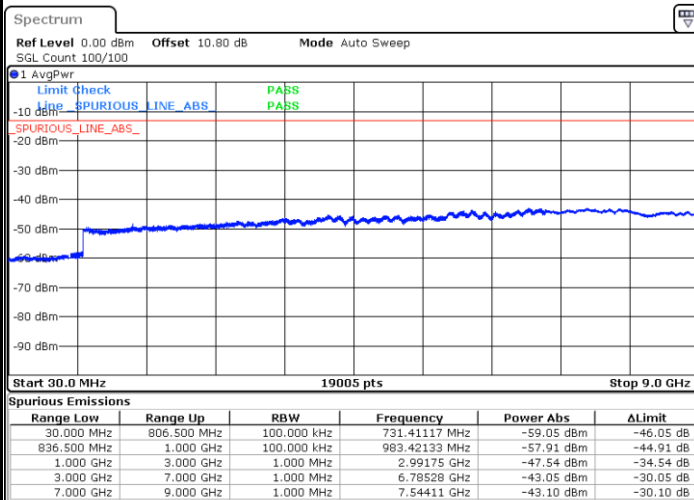
Date: 20 JAN 2020 17:06:08

Middle Channel / 64QAM



Date: 20 JAN 2020 17:07:15

Highest Channel / 64QAM

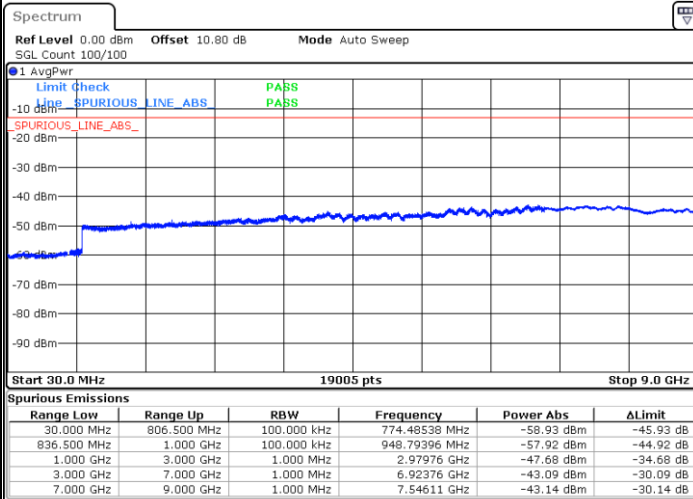


Date: 20 JAN 2020 17:08:21



LTE Band 26 / 10MHz

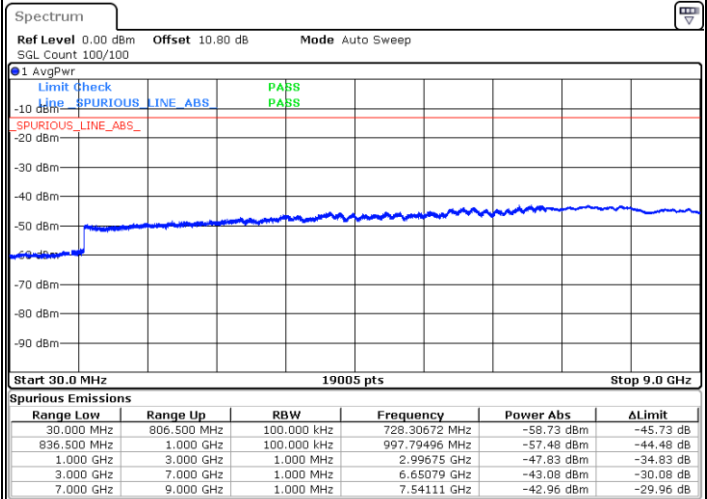
Middle Channel / 64QAM



Date: 20 JAN 2020 17:09:28

LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Date: 20 JAN 2020 17:10:35

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	0.0066	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0046	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 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	0.0073	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

<For Lower Antenna>

<Reporting Only>

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -4.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	74	22.95	0.1972	16.30	0.0427
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	22.27	0.1687	15.62	0.0365
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	21.11	0.1291	14.46	0.0279
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-

**<For Upper Antenna>****<Reporting Only>**

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.01	0.2000	13.86	0.0243
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	22.39	0.1734	13.24	0.0211
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	21.21	0.1321	12.06	0.0161
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-

**Radiated Spurious Emission**

<For Lower Antenna>

Part 90S LTE Band 26

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	1631	-62.06	-13	-49.06	-75.01	-67.39	1.22	8.70	H
	2447	-58.91	-13	-45.91	-75.79	-65.79	1.43	10.46	H
	3263	-57.13	-13	-44.13	-75.92	-64.99	1.68	11.69	H
									H
	1631	-62.31	-13	-49.31	-75.12	-67.64	1.22	8.70	V
	2447	-58.45	-13	-45.45	-75.71	-65.33	1.43	10.46	V
	3263	-56.91	-13	-43.91	-76.01	-64.77	1.68	11.69	V
									V
Middle	1638	-62.22	-13	-49.22	-75.17	-67.57	1.22	8.72	H
	2458	-58.73	-13	-45.73	-75.58	-65.61	1.43	10.47	H
	3277	-56.99	-13	-43.99	-75.7	-64.88	1.69	11.73	H
									H
	1638	-62.32	-13	-49.32	-75.13	-67.67	1.22	8.72	V
	2458	-58.35	-13	-45.35	-75.54	-65.23	1.43	10.47	V
	3277	-56.66	-13	-43.66	-75.72	-64.55	1.69	11.73	V
									V
Highest	1645	-62.23	-13	-49.23	-75.2	-67.61	1.23	8.75	H
	2468	-59.08	-13	-46.08	-75.91	-65.97	1.43	10.47	H
	3291	-57.24	-13	-44.24	-75.87	-65.16	1.70	11.77	H
									H
	1645	-62.28	-13	-49.28	-75.12	-67.66	1.23	8.75	V
	2468	-58.44	-13	-45.44	-75.58	-65.33	1.43	10.47	V
	3291	-57.00	-13	-44.00	-76.01	-64.92	1.70	11.77	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	1640	-61.95	-13	-48.95	-74.91	-67.31	1.22	8.73	H
	2456	-58.57	-13	-45.57	-75.43	-65.45	1.43	10.46	H
	3272	-57.06	-13	-44.06	-75.81	-64.94	1.68	11.72	H
									H
	1640	-62.44	-13	-49.44	-75.27	-67.80	1.22	8.73	V
	2456	-58.61	-13	-45.61	-75.82	-65.49	1.43	10.46	V
	3272	-57.08	-13	-44.08	-76.16	-64.96	1.68	11.72	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	1656	-61.85	-13	-48.85	-74.84	-67.26	1.23	8.79	H
	2484	-58.90	-13	-45.90	-75.7	-65.80	1.44	10.49	H
	3312	-57.58	-13	-44.58	-76.08	-65.55	1.72	11.84	H
									H
	1656	-62.08	-13	-49.08	-74.94	-67.49	1.23	8.79	V
	2484	-58.51	-13	-45.51	-75.55	-65.41	1.44	10.49	V
	3312	-57.51	-13	-44.51	-76.45	-65.48	1.72	11.84	V
									V

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



<For Upper Antenna>

Part 90S LTE Band 26

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	1632	-62.10	-13	-49.10	-75.04	-67.43	1.22	8.70	H
	2448	-57.38	-13	-44.38	-74.26	-64.26	1.43	10.46	H
	3260	-57.25	-13	-44.25	-76.06	-65.11	1.67	11.68	H
									H
	1632	-62.57	-13	-49.57	-75.37	-67.90	1.22	8.70	V
	2448	-53.83	-13	-40.83	-71.09	-60.71	1.43	10.46	V
	3260	-56.57	-13	-43.57	-75.69	-64.43	1.67	11.68	V
									V
Middle	1640	-61.96	-13	-48.96	-74.92	-67.32	1.22	8.73	H
	2456	-56.92	-13	-43.92	-73.78	-63.80	1.43	10.46	H
	3276	-57.23	-13	-44.23	-75.95	-65.12	1.69	11.73	H
									H
	1640	-62.26	-13	-49.26	-75.09	-67.62	1.22	8.73	V
	2456	-54.10	-13	-41.10	-71.31	-60.98	1.43	10.46	V
	3276	-56.59	-13	-43.59	-75.65	-64.48	1.69	11.73	V
									V
Highest	1645	-62.27	-13	-49.27	-75.24	-67.65	1.23	8.75	H
	2472	-57.06	-13	-44.06	-73.89	-63.95	1.44	10.48	H
	3290	-57.01	-13	-44.01	-75.64	-64.93	1.70	11.77	H
									H
	1645	-61.93	-13	-48.93	-74.77	-67.31	1.23	8.75	V
	2472	-54.70	-13	-41.70	-71.82	-61.59	1.44	10.48	V
	3290	-56.68	-13	-43.68	-75.69	-64.60	1.70	11.77	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	1640	-62.05	-13	-49.05	-75.01	-67.41	1.22	8.73	H
	2456	-57.27	-13	-44.27	-74.13	-64.15	1.43	10.46	H
	3272	-57.06	-13	-44.06	-75.81	-64.94	1.68	11.72	H
									H
	1640	-62.34	-13	-49.34	-75.17	-67.70	1.22	8.73	V
	2456	-54.49	-13	-41.49	-71.7	-61.37	1.43	10.46	V
	3272	-56.69	-13	-43.69	-75.77	-64.57	1.68	11.72	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	1628	-62.22	-13	-49.22	-75.15	-67.54	1.22	8.69	H
	2448	-56.35	-13	-43.35	-73.23	-63.23	1.43	10.46	H
	3256	-56.99	-13	-43.99	-75.83	-64.84	1.67	11.67	H
									H
	1628	-62.32	-13	-49.32	-75.1	-67.64	1.22	8.69	V
	2448	-53.62	-13	-40.62	-70.88	-60.50	1.43	10.46	V
	3256	-56.65	-13	-43.65	-75.77	-64.50	1.67	11.67	V
									V

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