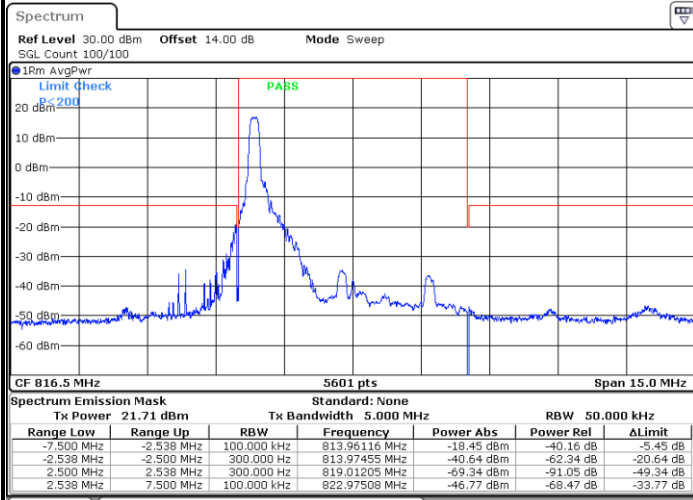




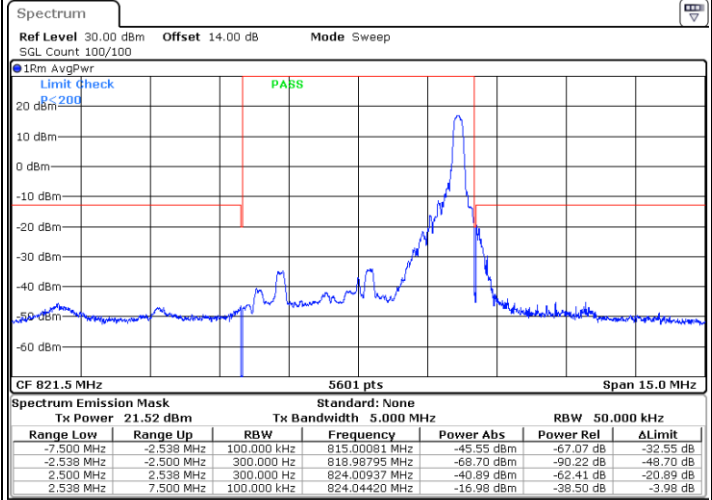
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



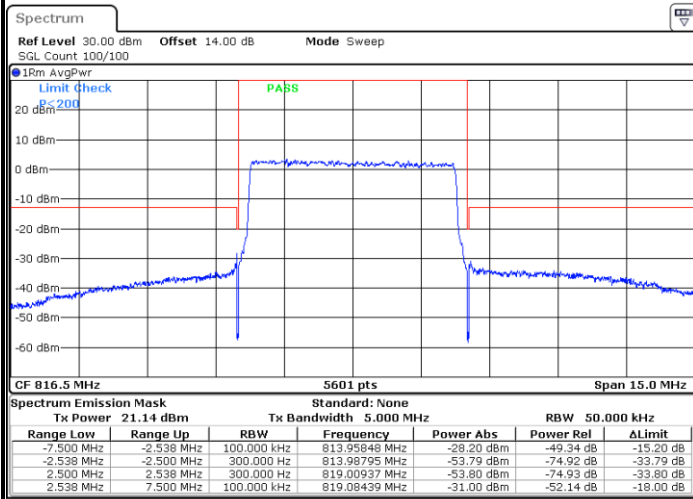
Date: 10. JUN. 2020 00:56:34

Highest Band Edge / 1 RB



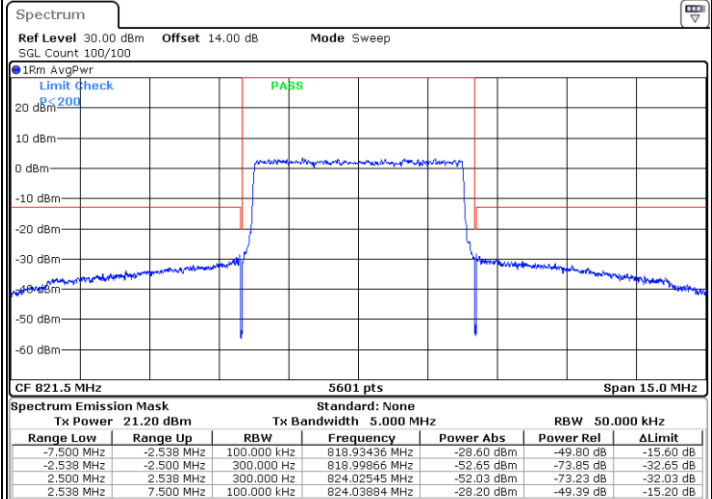
Date: 10. JUN. 2020 00:58:38

Lowest Band Edge / Full RB



Date: 10. JUN. 2020 00:57:44

Highest Band Edge / Full RB

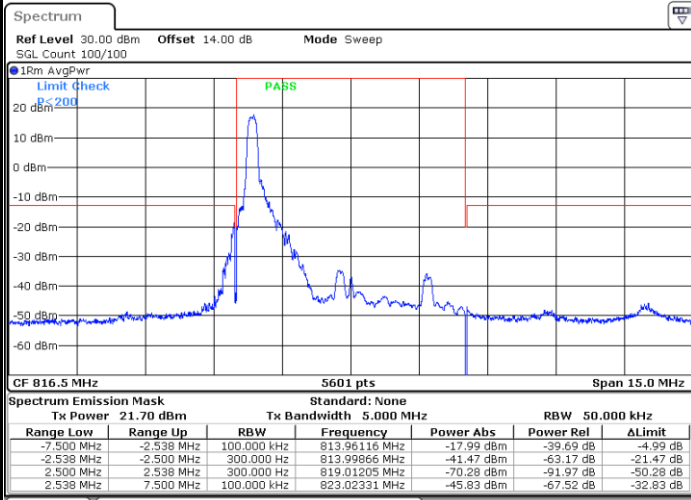


Date: 10. JUN. 2020 01:00:13



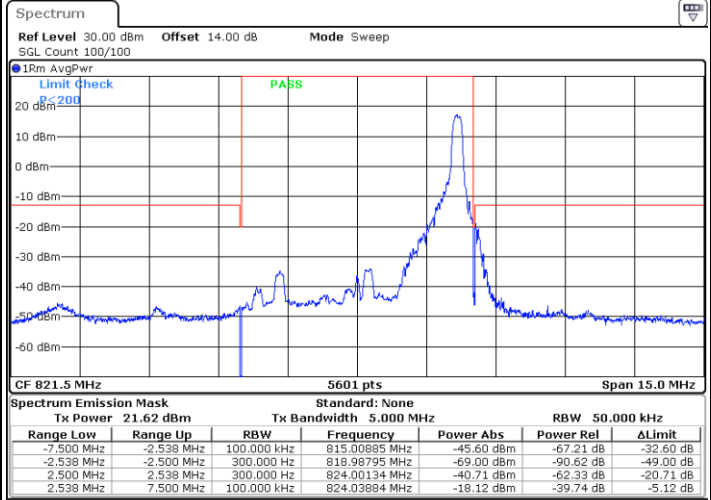
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



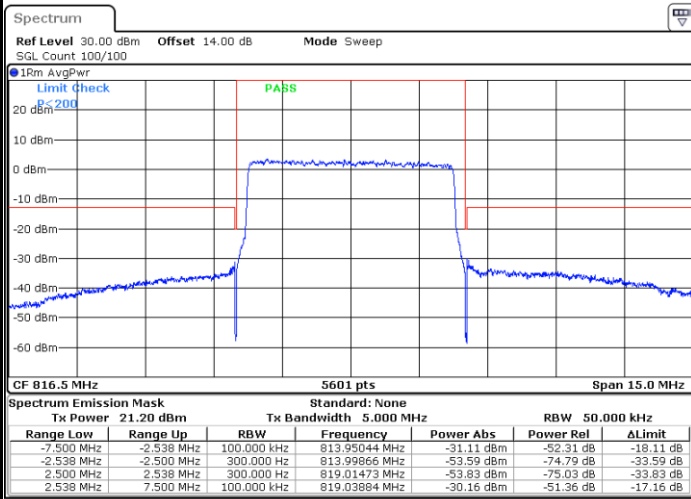
Date: 10. JUN. 2020 00:53:31

Highest Band Edge / 1 RB



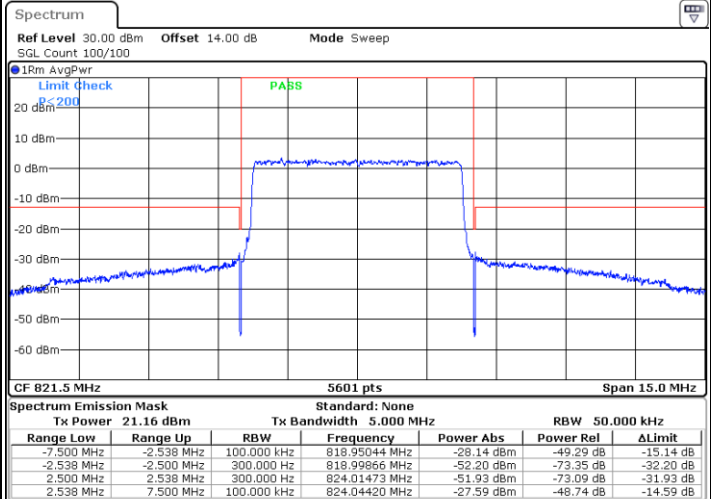
Date: 10. JUN. 2020 00:54:36

Lowest Band Edge / Full RB



Date: 10. JUN. 2020 00:53:59

Highest Band Edge / Full RB

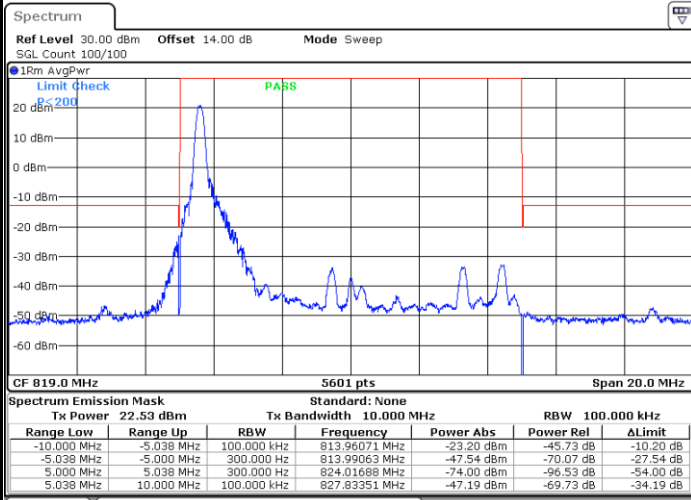


Date: 10. JUN. 2020 00:55:25



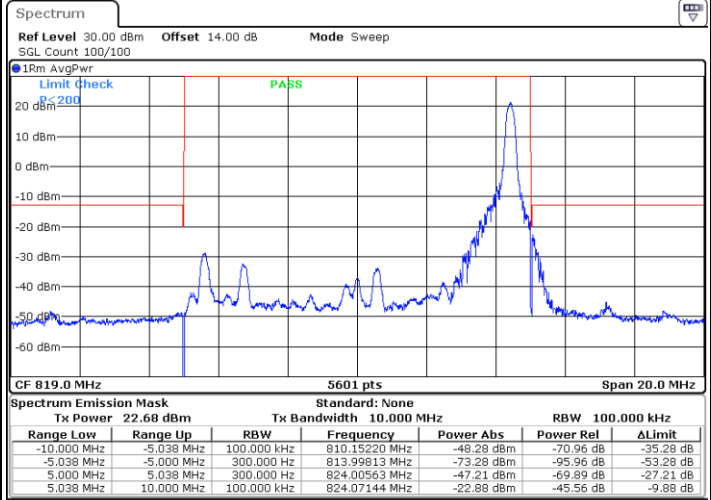
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



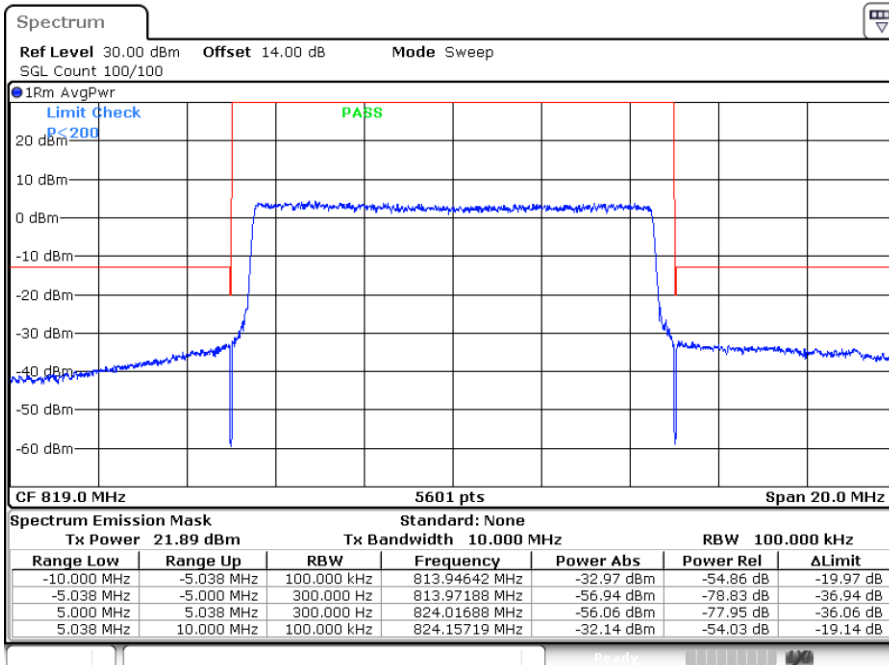
Date: 10 JUN 2020 01:00:39

Highest Band Edge / 1 RB



Date: 10 JUN 2020 01:01:35

Band Edge / Full RB

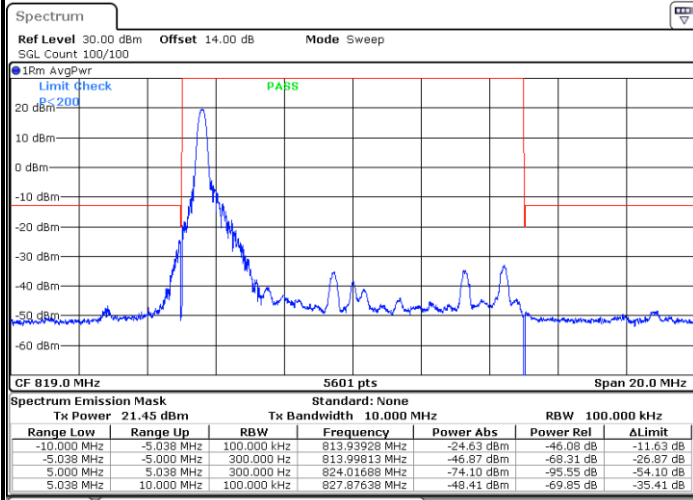


Date: 10 JUN 2020 01:03:37



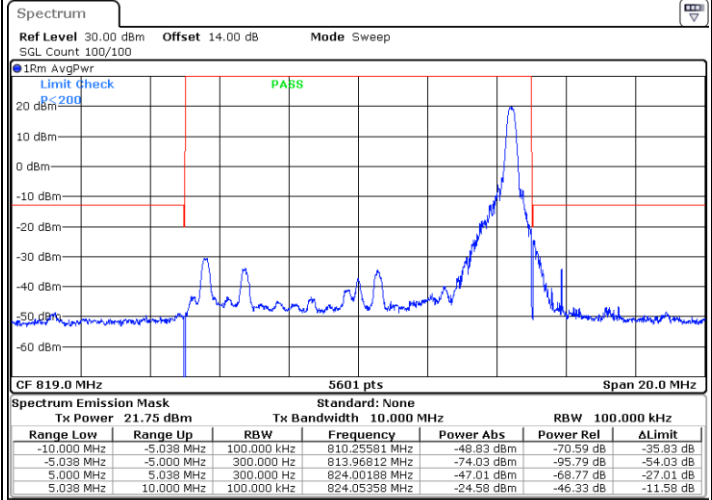
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



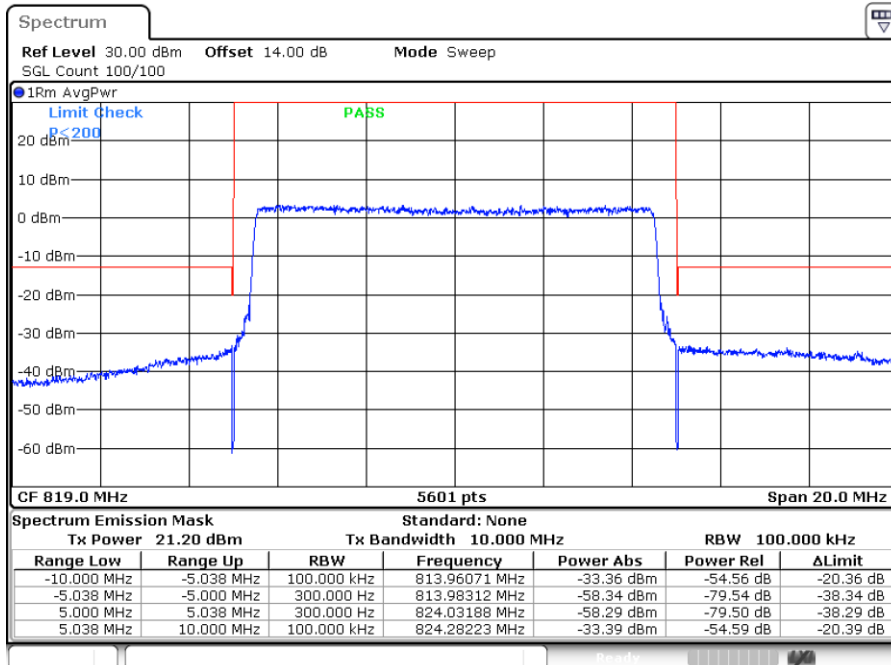
Date: 10 JUN 2020 01:01:09

Highest Band Edge / 1 RB



Date: 10 JUN 2020 01:02:26

Band Edge / Full RB

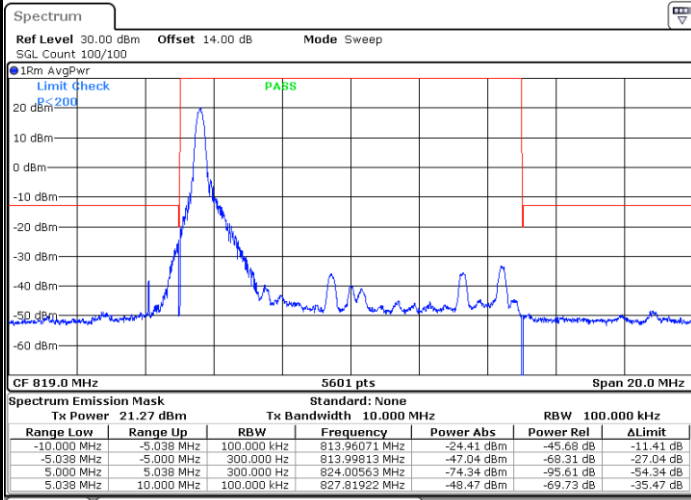


Date: 10 JUN 2020 01:04:09



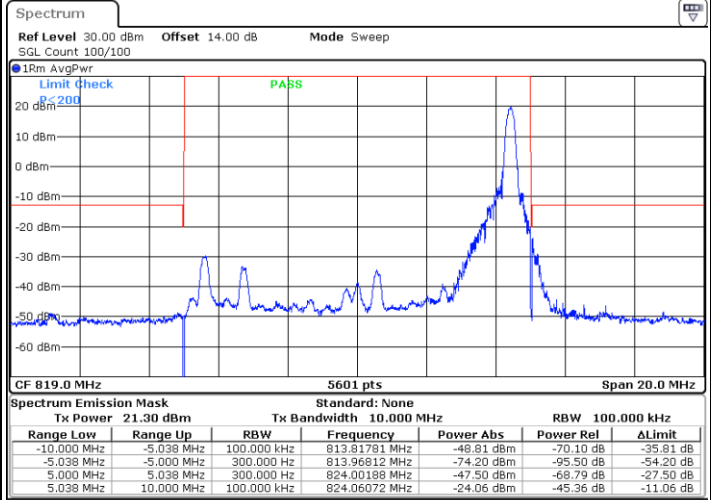
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



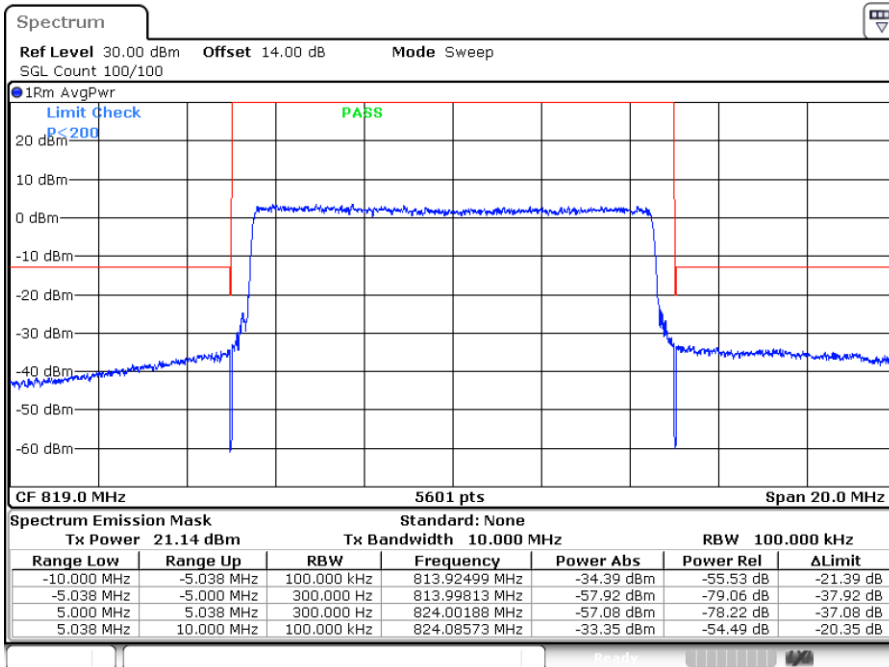
Date: 10 JUN 2020 01:04:49

Highest Band Edge / 1 RB



Date: 10 JUN 2020 01:05:19

Band Edge / Full RB

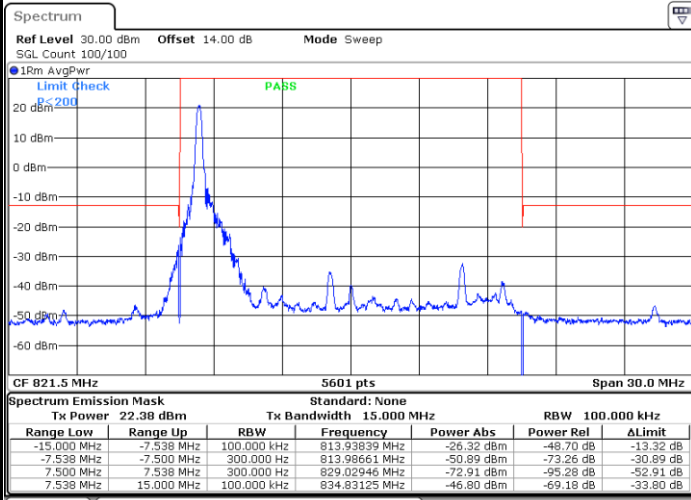


Date: 10 JUN 2020 01:05:46



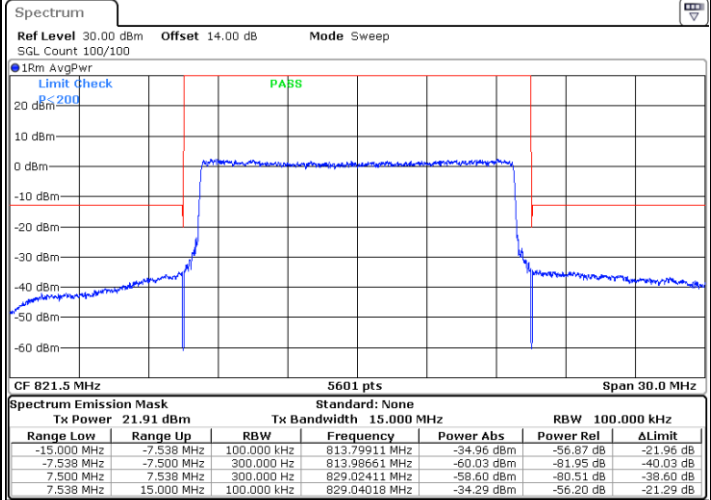
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 10. JUN. 2020 01:06:12

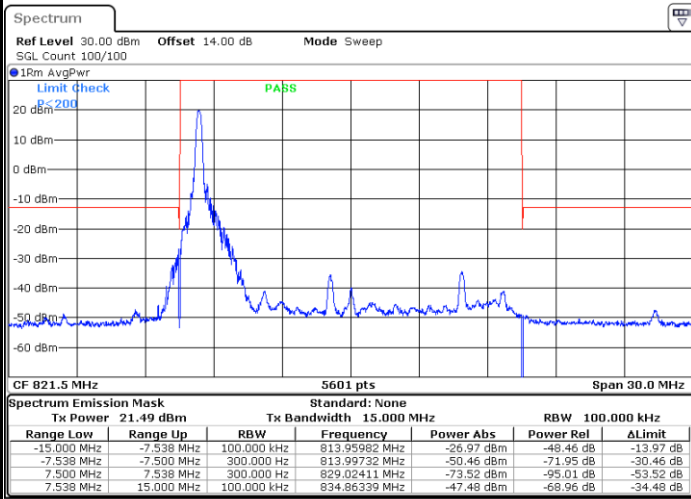
Lowest Band Edge / Full RB



Date: 10. JUN. 2020 01:08:10

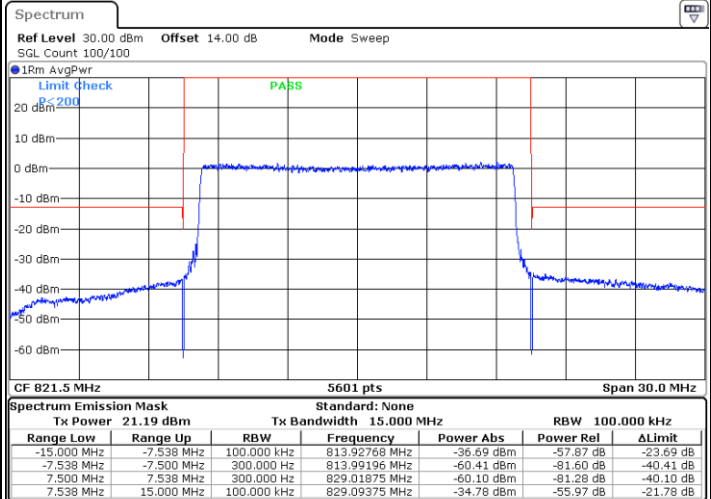
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB

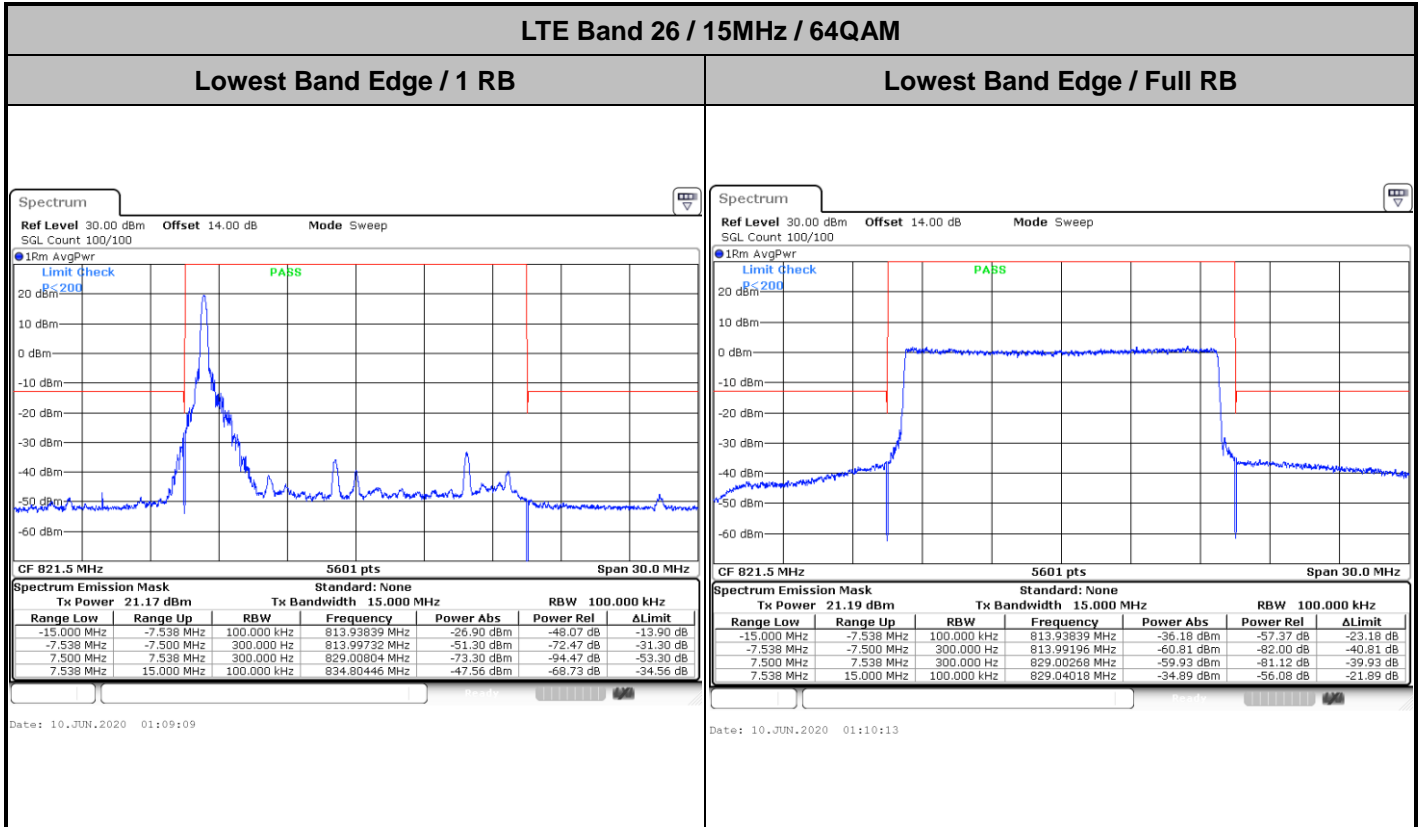


Date: 10. JUN. 2020 01:06:38

Lowest Band Edge / Full RB



Date: 10. JUN. 2020 01:08:40





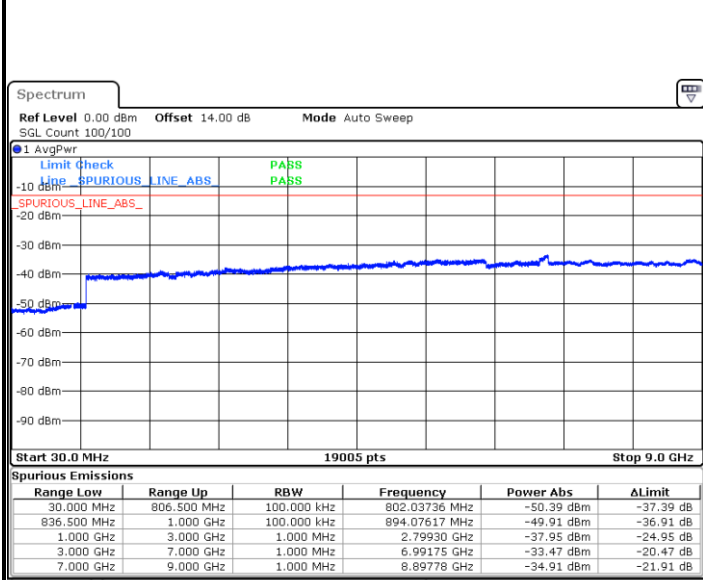
## **Conducted Spurious Emission**





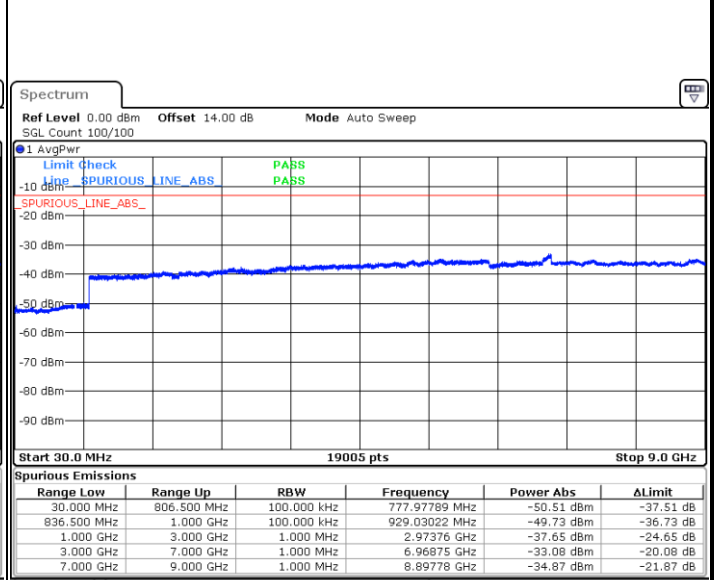
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



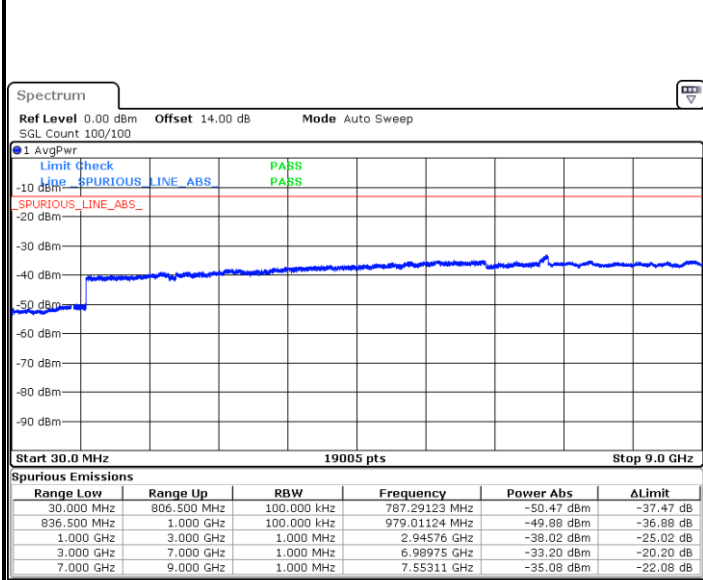
Date: 10.JUN.2020 01:13:37

Lowest Channel / 16QAM



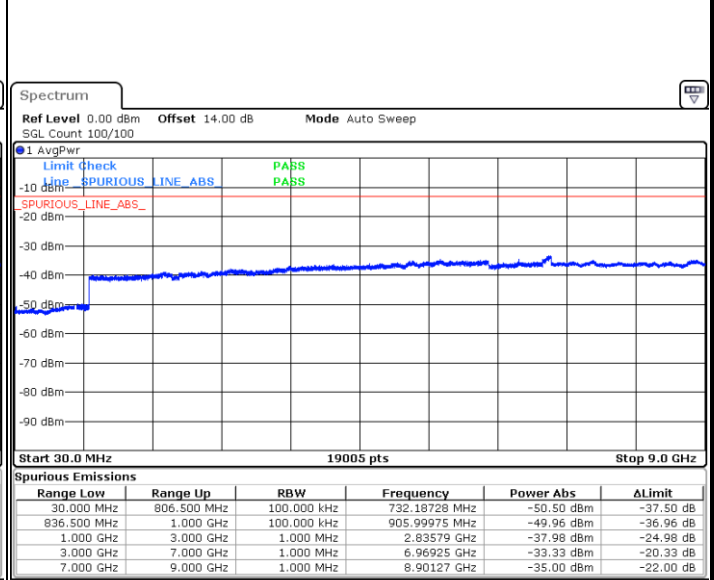
Date: 10.JUN.2020 01:14:20

Middle Channel / QPSK



Date: 10.JUN.2020 01:15:04

Middle Channel / 16QAM

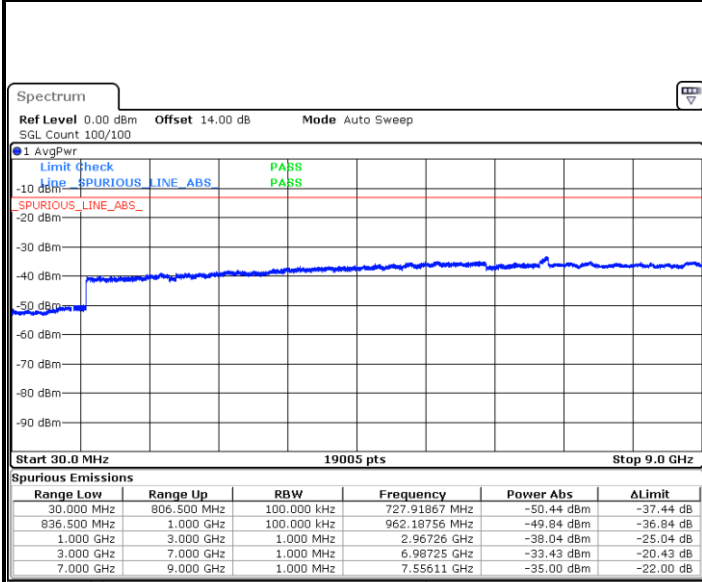


Date: 10.JUN.2020 01:15:48



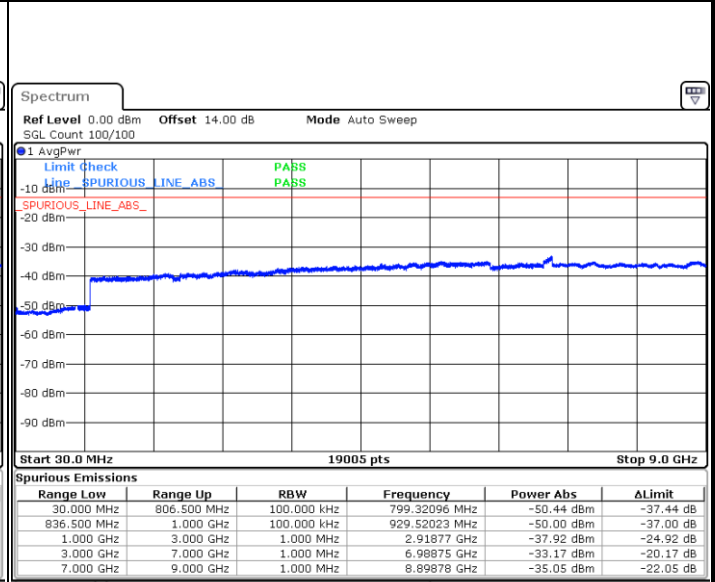
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 10. JUN. 2020 01:16:32

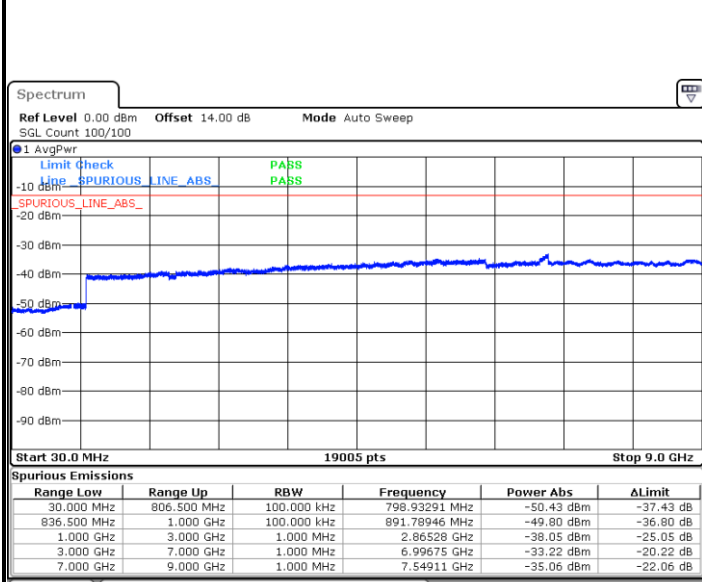
Highest Channel / 16QAM



Date: 10. JUN. 2020 01:17:15

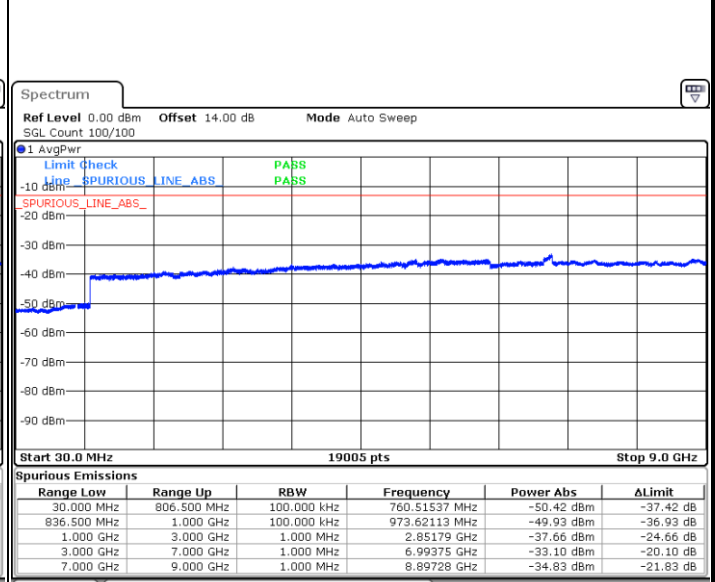
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 10. JUN. 2020 01:20:11

Lowest Channel / 16QAM



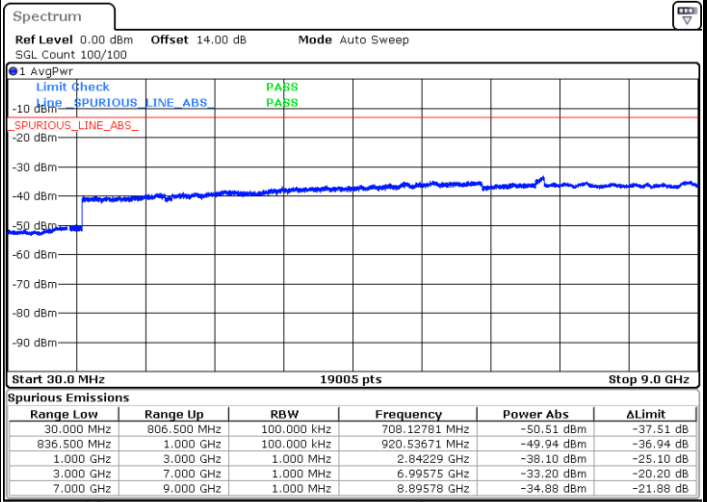
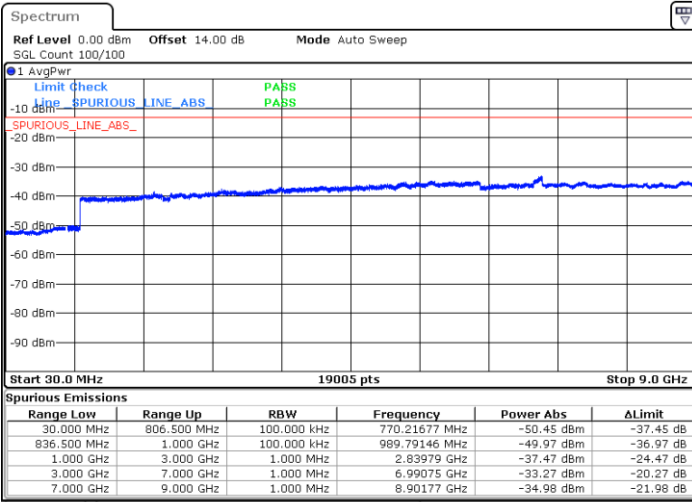
Date: 10. JUN. 2020 01:20:54



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

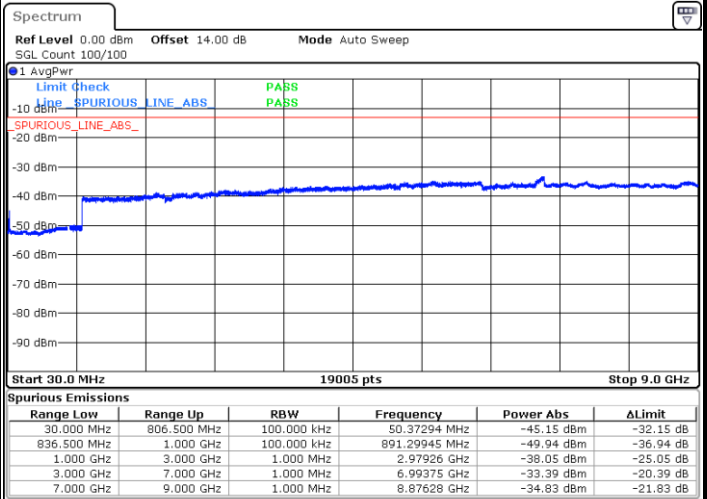
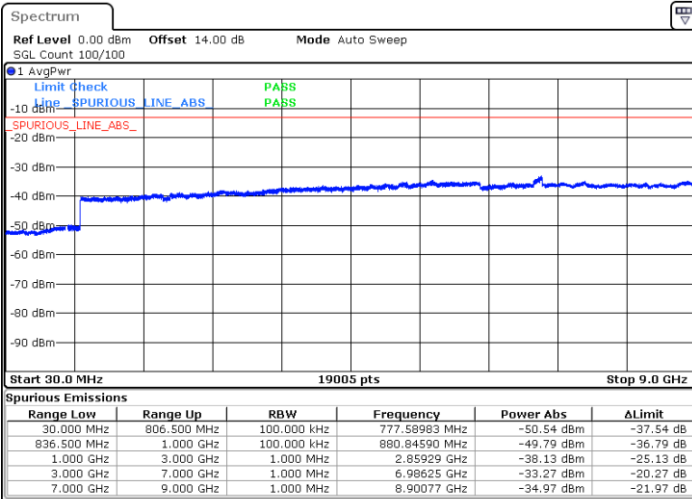


Date: 10 JUN 2020 01:21:38

Date: 10 JUN 2020 01:22:21

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10 JUN 2020 01:23:05

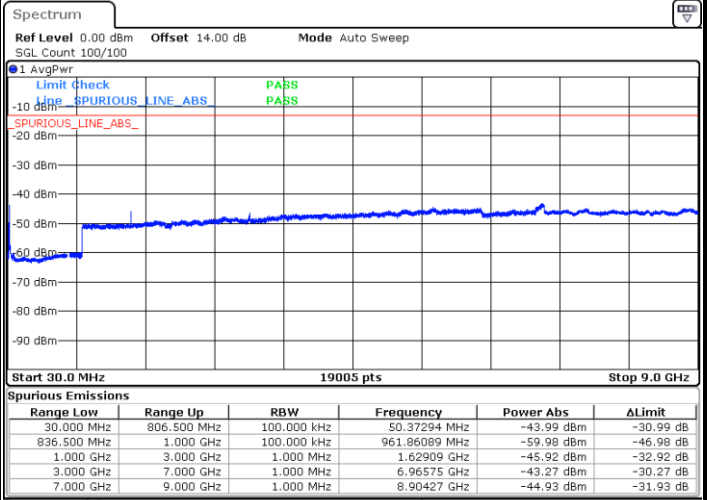
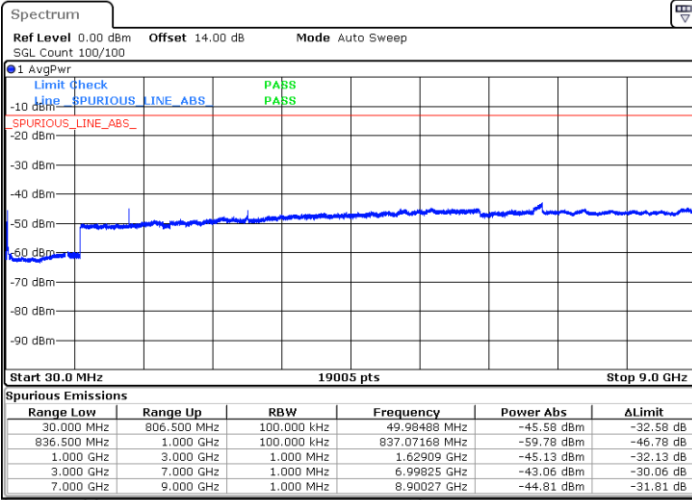
Date: 10 JUN 2020 01:23:48



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

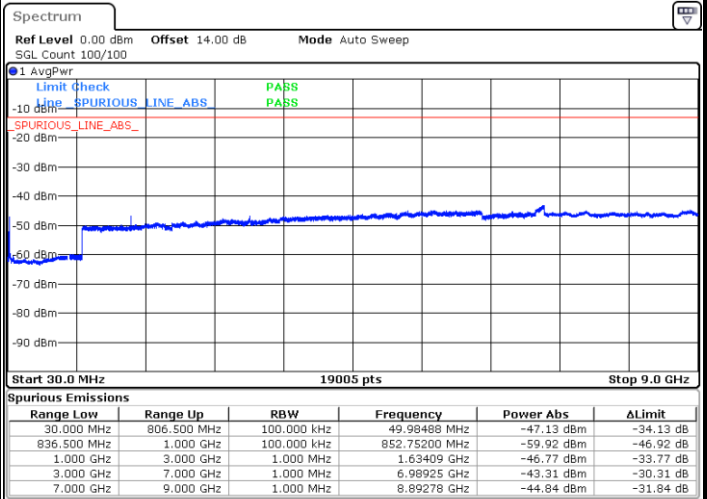
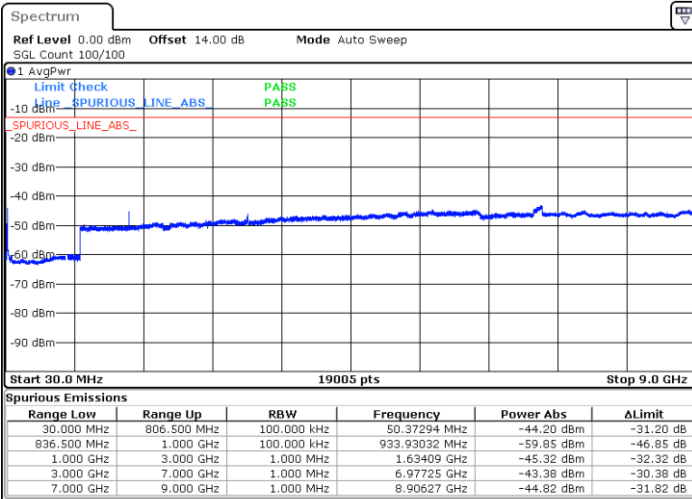


Date: 10.JUN.2020 01:26:42

Date: 10.JUN.2020 01:27:26

Middle Channel / QPSK

Middle Channel / 16QAM



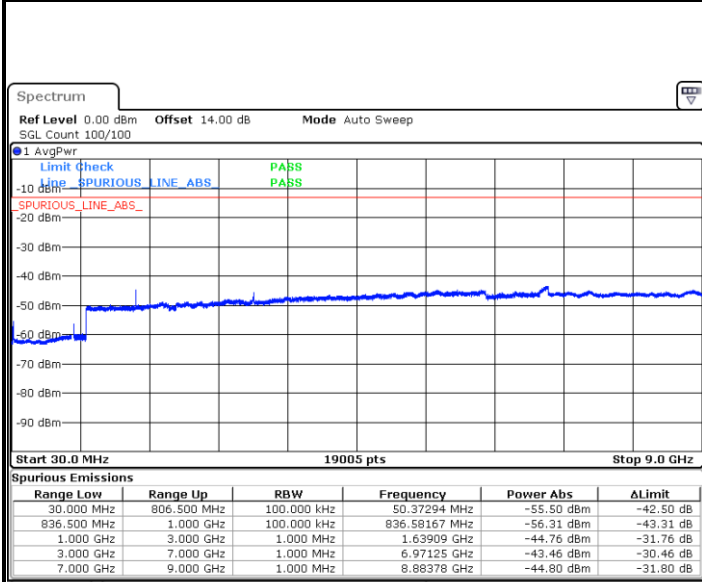
Date: 10.JUN.2020 01:28:10

Date: 10.JUN.2020 01:28:54



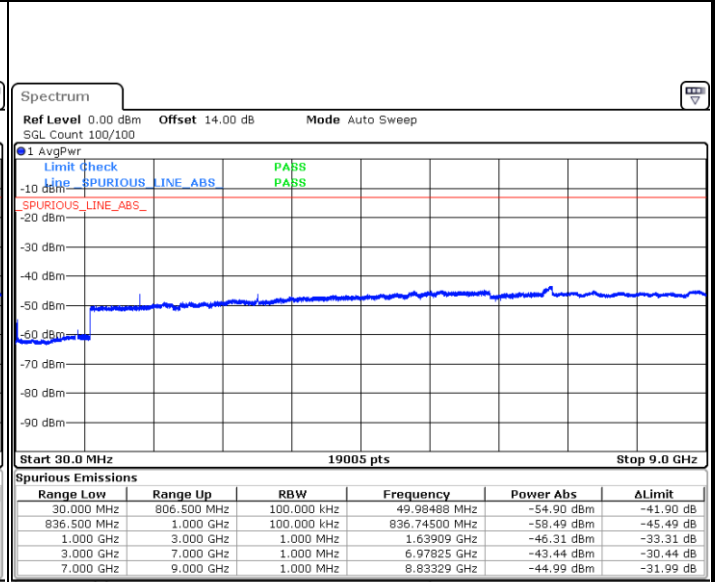
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 10 JUN 2020 01:29:37

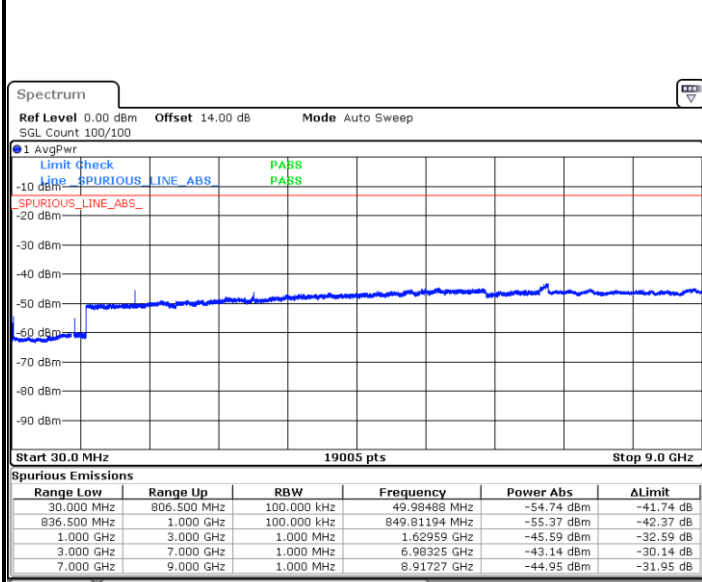
Highest Channel / 16QAM



Date: 10 JUN 2020 01:30:21

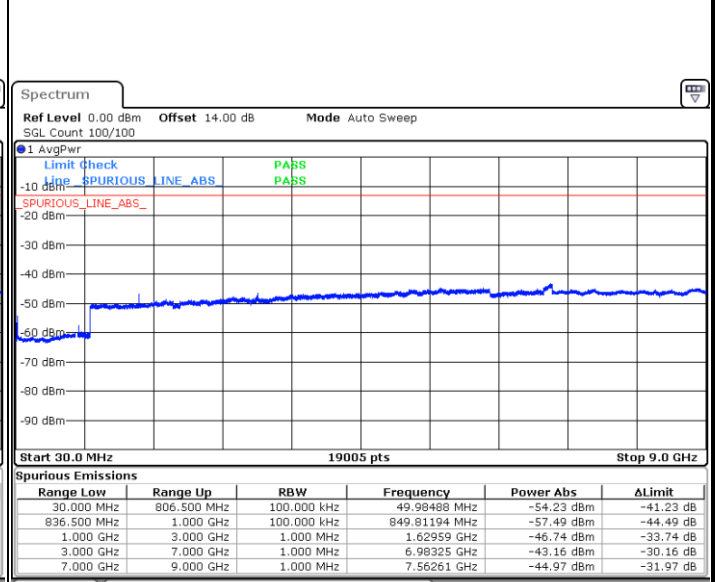
LTE Band 26 / 10MHz

Middle Channel / QPSK

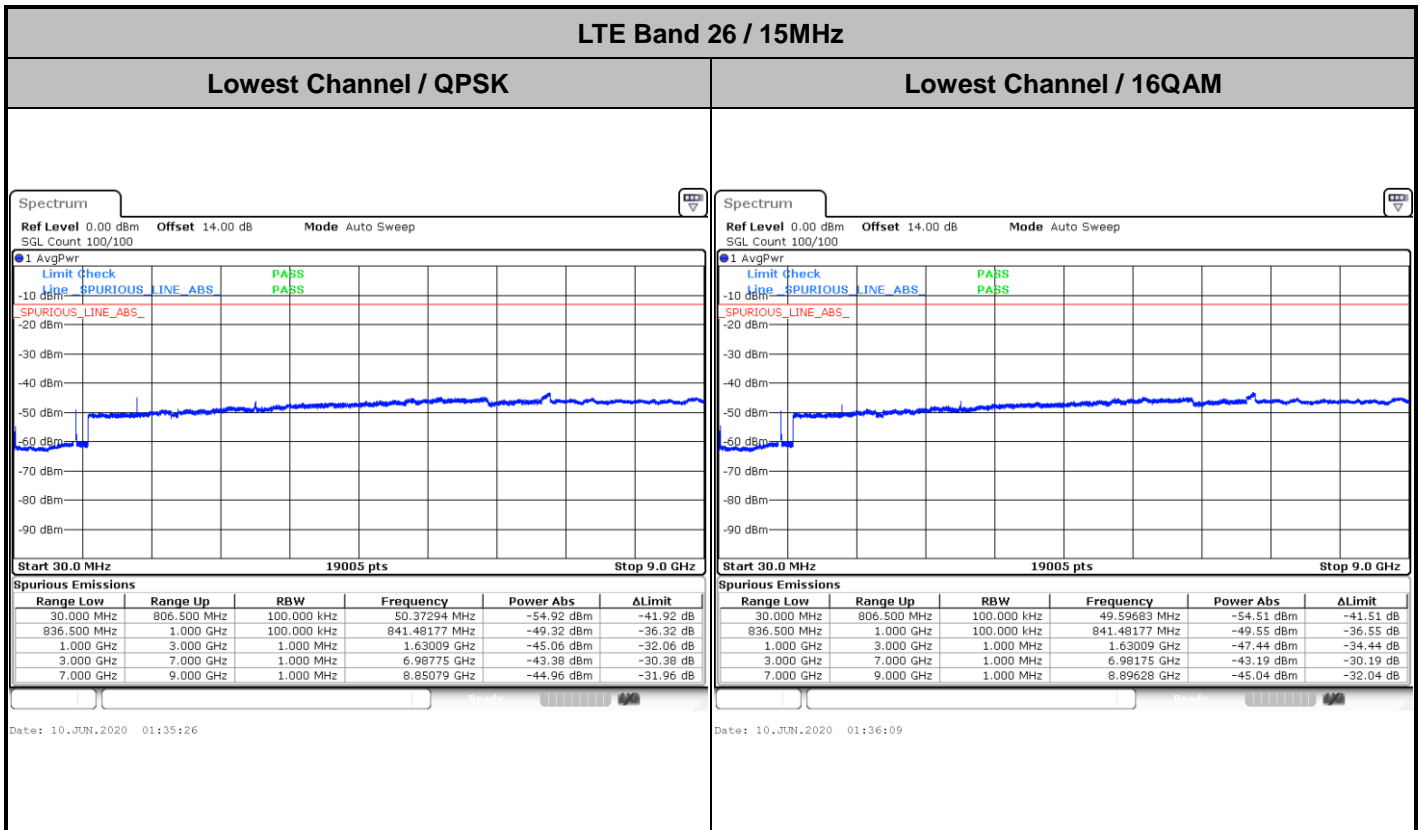


Date: 10 JUN 2020 01:33:15

Middle Channel / 16QAM



Date: 10 JUN 2020 01:33:58

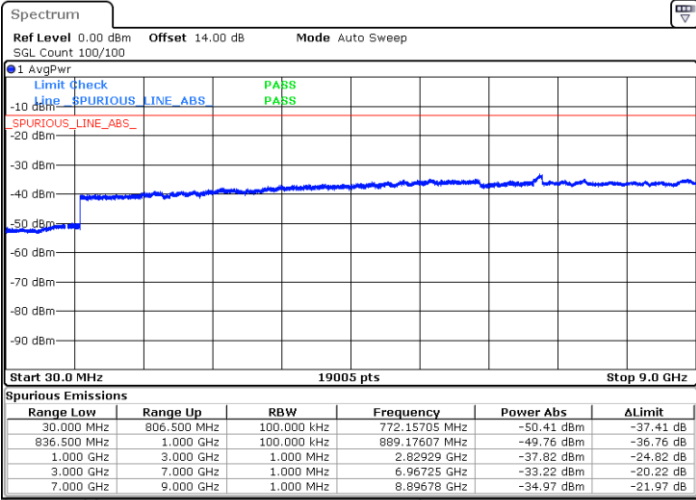




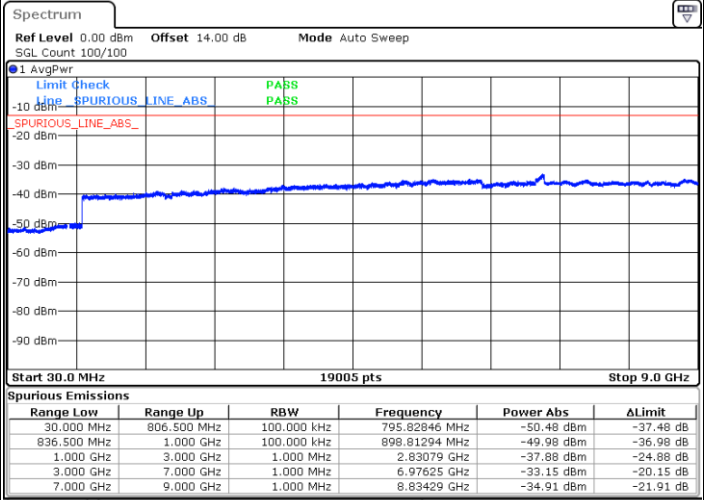
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

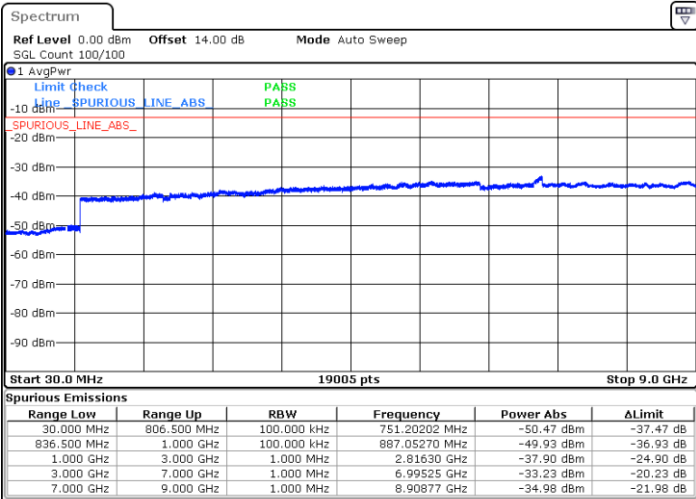


Date: 10.JUN.2020 01:17:59



Date: 10.JUN.2020 01:18:43

Highest Channel / 64QAM



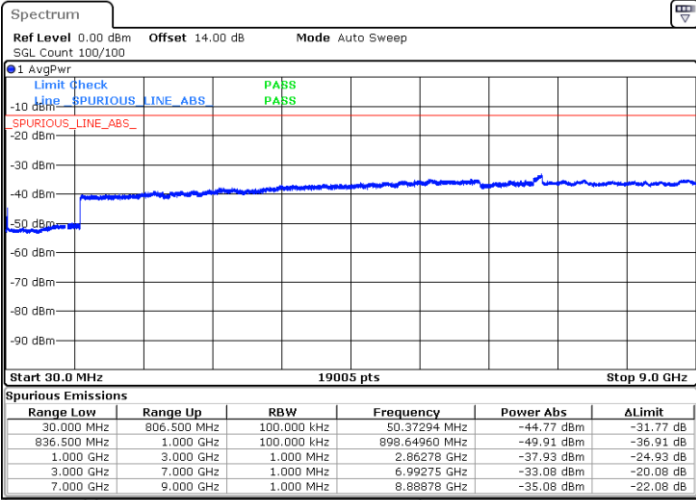
Date: 10.JUN.2020 01:19:27



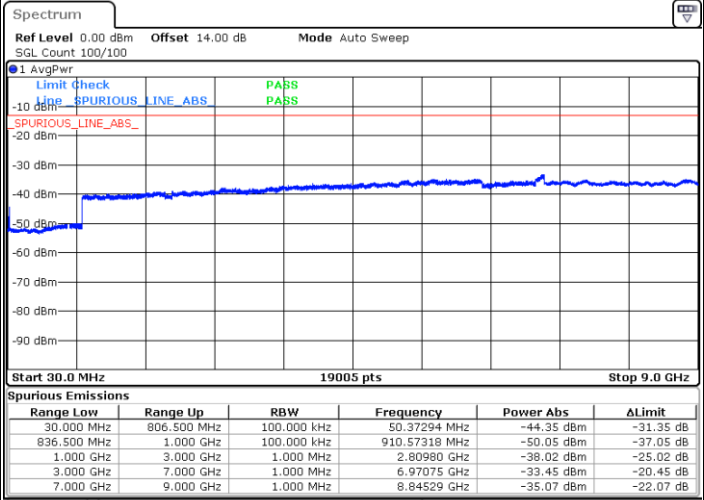
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

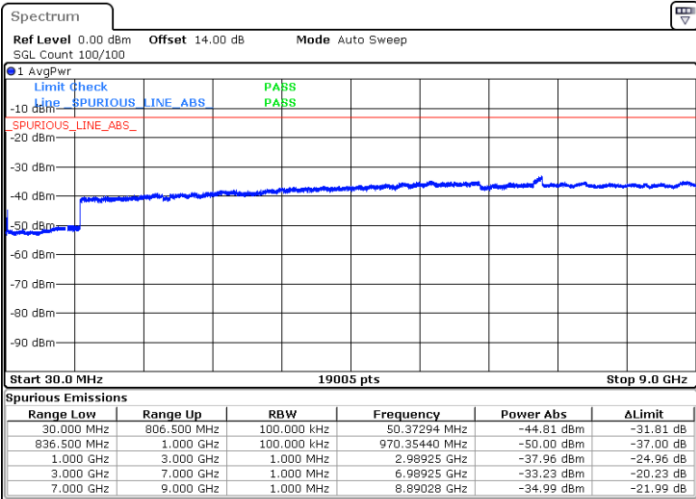


Date: 10 JUN 2020 01:24:32



Date: 10 JUN 2020 01:25:15

Highest Channel / 64QAM



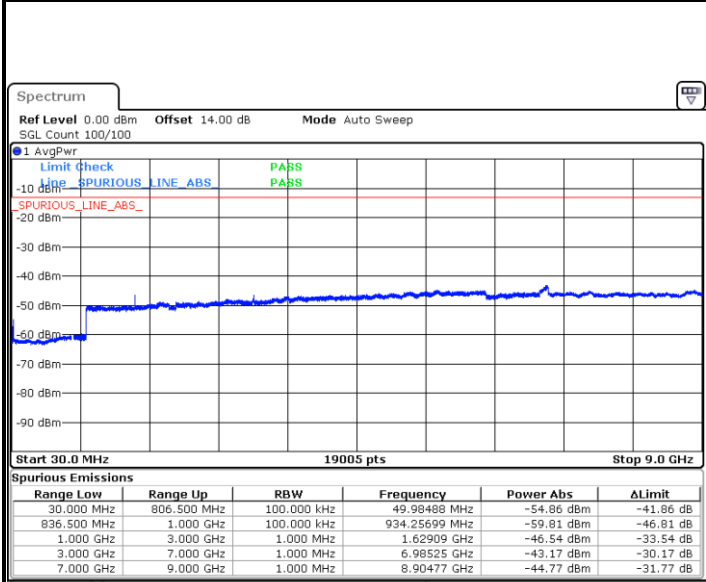
Date: 10 JUN 2020 01:25:59





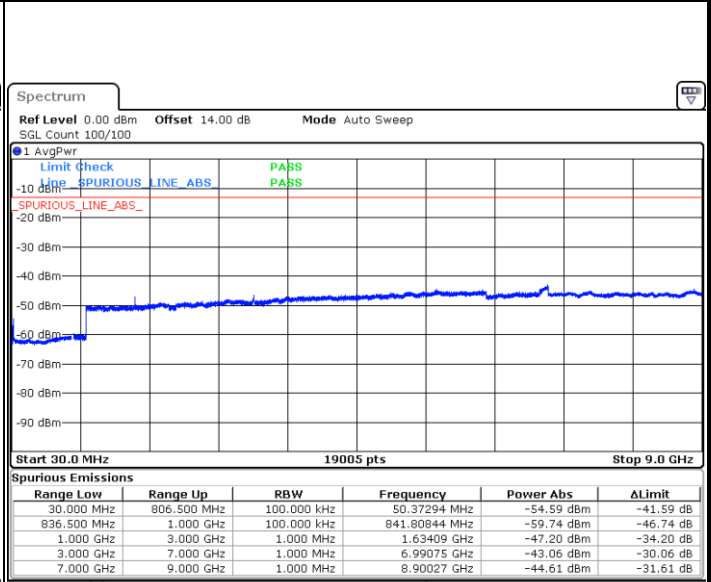
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



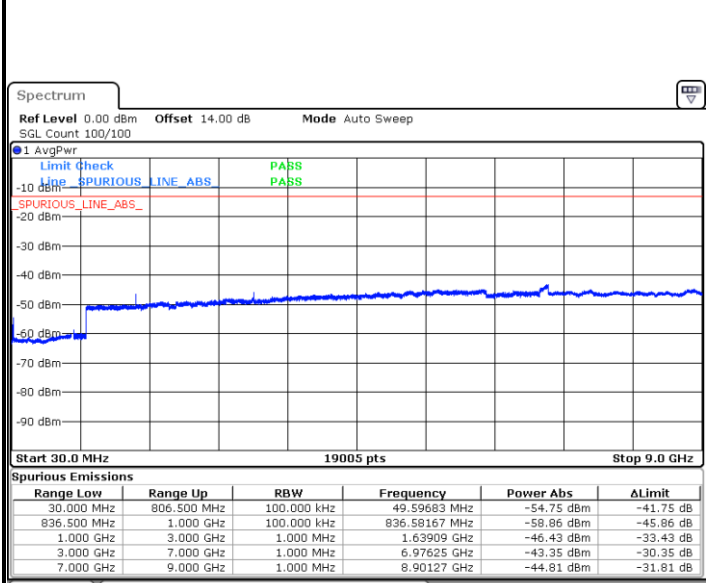
Date: 10.JUN.2020 01:31:04

Middle Channel / 64QAM

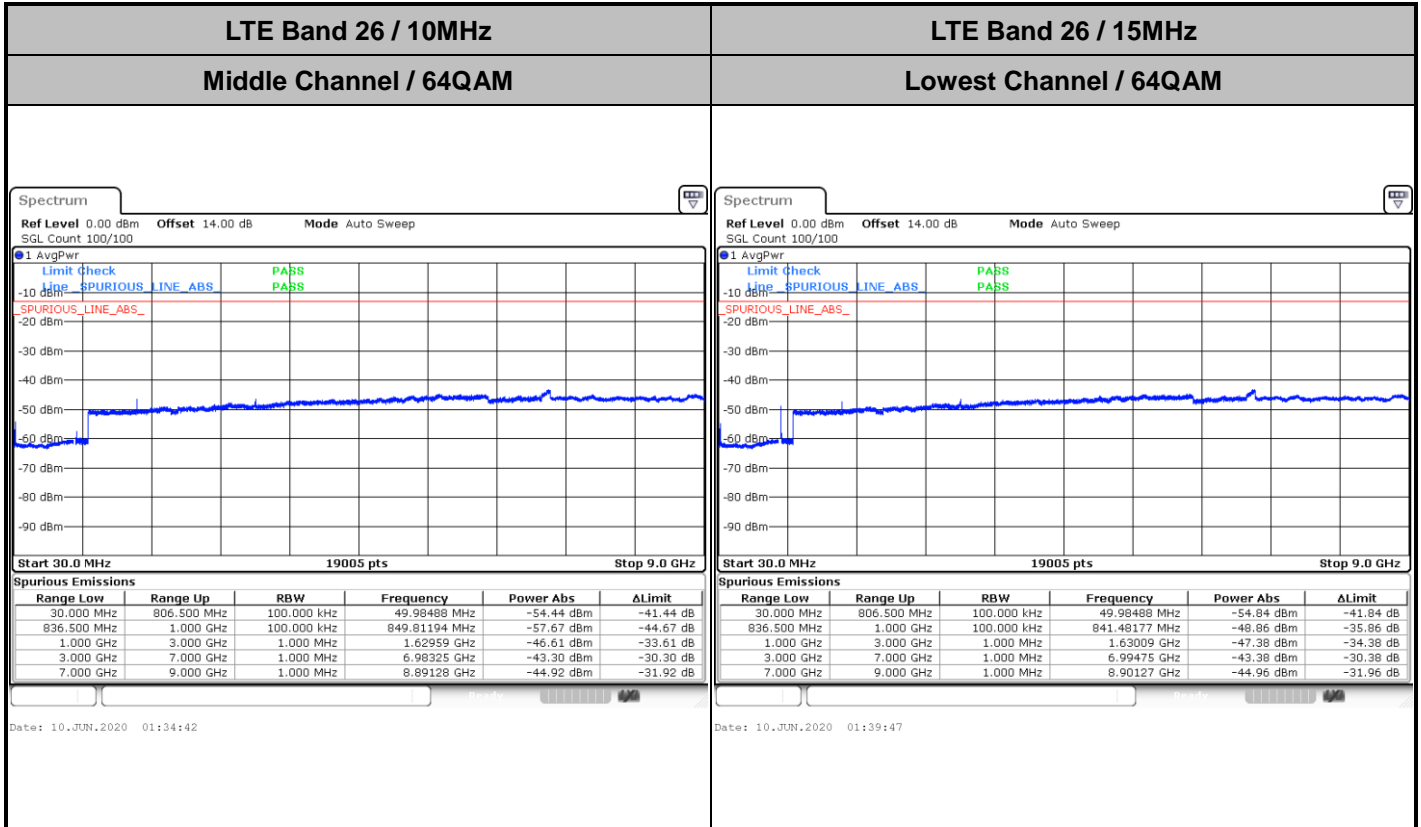


Date: 10.JUN.2020 01:31:48

Highest Channel / 64QAM



Date: 10.JUN.2020 01:32:31





### 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	0.0028	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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	0.0025	PASS
40	Normal Voltage	0.002	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Top Antenna:

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)
Middle	1633.5	-65.60	-13	-52.60	-76.29	-68.85	4.00	9.40	H
	2450.25	-60.84	-13	-47.84	-78.91	-64.41	4.88	10.60	H
	3267	-59.63	-13	-46.63	-79.75	-64.56	5.52	12.60	H
	1633.5	-64.48	-13	-51.48	-75.77	-67.73	4.00	9.40	V
	2450.25	-60.28	-13	-47.28	-78.79	-63.85	4.88	10.60	V
	3267	-58.61	-13	-45.61	-80.00	-63.54	5.52	12.60	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	-66.32	-13	-53.32	-77.01	-69.57	4.00	9.40	H
	2443.5	-61.03	-13	-48.03	-79.10	-64.60	4.88	10.60	H
	3258	-59.67	-13	-46.67	-79.79	-64.60	5.52	12.60	H
	1629	-64.20	-13	-51.20	-75.49	-67.45	4.00	9.40	V
	2443.5	-60.26	-13	-47.26	-78.77	-63.83	4.88	10.60	V
	3258	-58.31	-13	-45.31	-79.70	-63.24	5.52	12.60	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)
Middle	1629.5	-64.40	-13	-51.40	-75.09	-67.65	4.00	9.40	H
	2444.25	-60.64	-13	-47.64	-78.71	-64.21	4.88	10.60	H
	3259	-59.54	-13	-46.54	-79.66	-64.47	5.52	12.60	H
	1629.5	-63.79	-13	-50.79	-75.08	-67.04	4.00	9.40	V
	2444.25	-59.88	-13	-46.88	-78.39	-63.45	4.88	10.60	V
	3259	-58.32	-13	-45.32	-79.71	-63.25	5.52	12.60	V

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

**Bottom Antenna:**

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)
Middle	1633.5	-66.11	-13	-53.11	-76.80	-69.36	4.00	9.40	H
	2450.25	-60.87	-13	-47.87	-78.94	-64.44	4.88	10.60	H
	3267	-59.62	-13	-46.62	-79.74	-64.55	5.52	12.60	H
	1633.5	-65.16	-13	-52.16	-76.45	-68.41	4.00	9.40	V
	2450.25	-60.31	-13	-47.31	-78.82	-63.88	4.88	10.60	V
	3267	-58.51	-13	-45.51	-79.90	-63.44	5.52	12.60	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	-66.17	-13	-53.17	-76.86	-69.42	4.00	9.40	H
	2443.5	-60.76	-13	-47.76	-78.83	-64.33	4.88	10.60	H
	3258	-59.56	-13	-46.56	-79.68	-64.49	5.52	12.60	H
	1629	-62.93	-13	-49.93	-74.22	-66.18	4.00	9.40	V
	2443.5	-60.54	-13	-47.54	-79.05	-64.11	4.88	10.60	V
	3258	-58.41	-13	-45.41	-79.80	-63.34	5.52	12.60	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)
Middle	1629.5	-62.82	-13	-49.82	-73.51	-66.07	4.00	9.40	H
	2444.25	-61.07	-13	-48.07	-79.14	-64.64	4.88	10.60	H
	3259	-59.70	-13	-46.70	-79.82	-64.63	5.52	12.60	H
	1629.5	-61.41	-13	-48.41	-72.70	-64.66	4.00	9.40	V
	2444.25	-60.21	-13	-47.21	-78.72	-63.78	4.88	10.60	V
	3259	-58.27	-13	-45.27	-79.66	-63.20	5.52	12.60	V

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