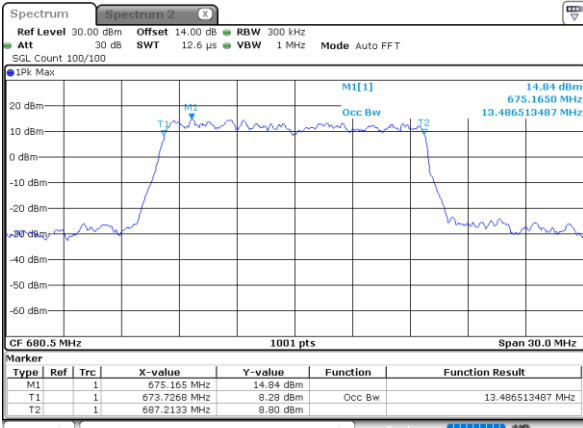




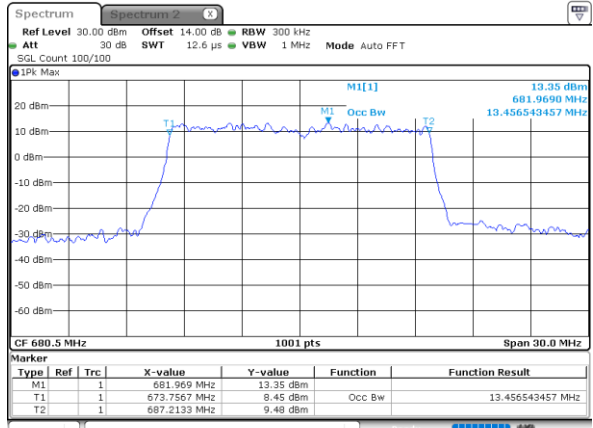
LTE Band 71

Middle Channel / 15MHz / QPSK



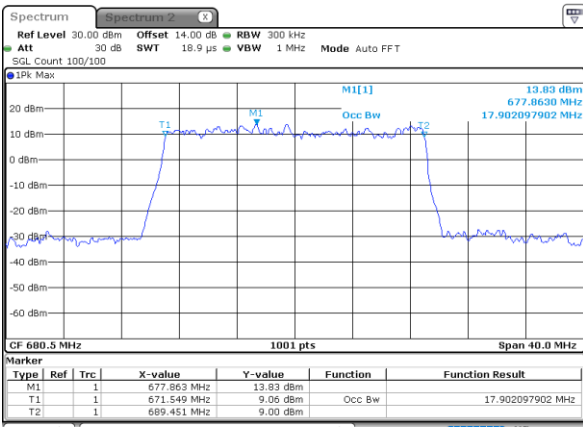
Date: 25.OCT.2023 15:15:35

Middle Channel / 15MHz / 16QAM



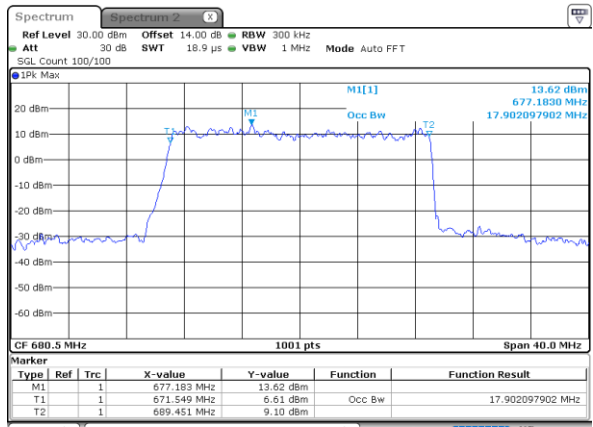
Date: 25.OCT.2023 15:16:12

Middle Channel / 20MHz / QPSK



Date: 25.OCT.2023 15:31:09

Middle Channel / 20MHz / 16QAM



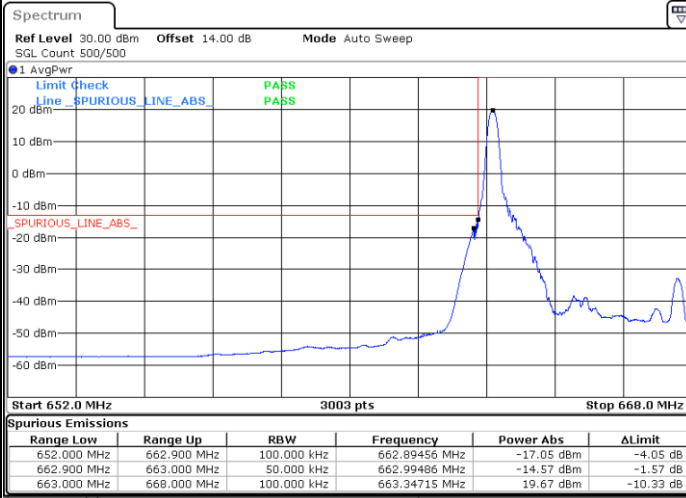
Date: 25.OCT.2023 15:32:03



# Conducted Band Edge

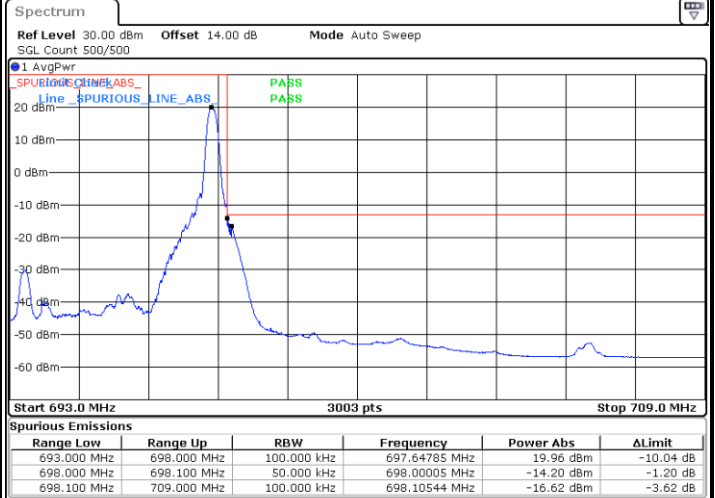
## LTE Band 71 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



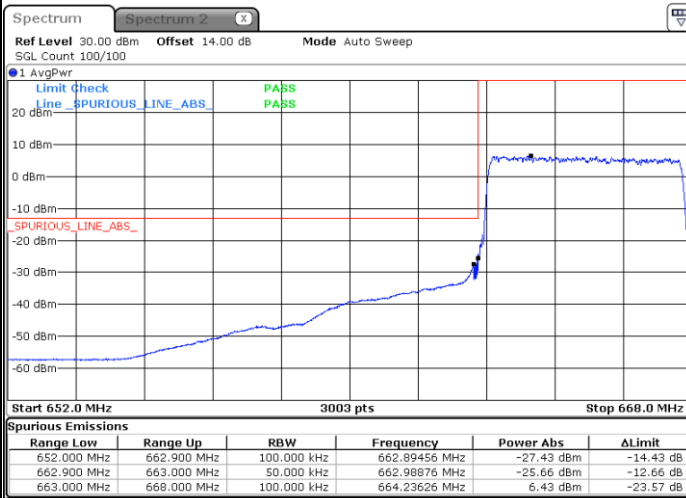
Date: 1.NOV.2023 11:18:16

### Highest Band Edge / 1 RB



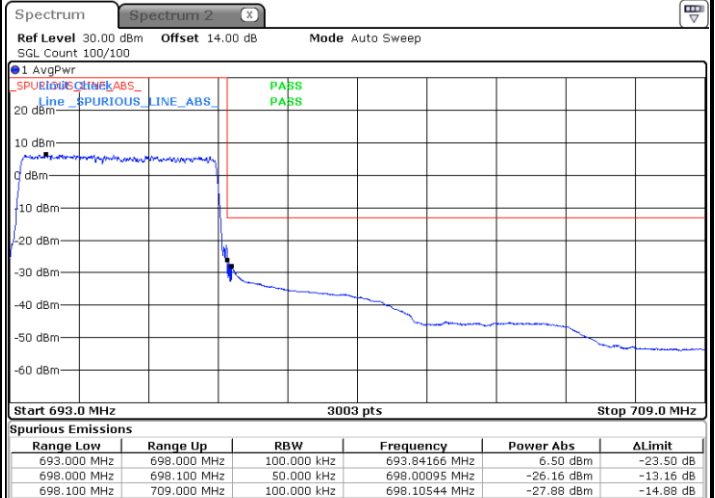
Date: 1.NOV.2023 11:14:07

### Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:22:53

### Highest Band Edge / Full RB

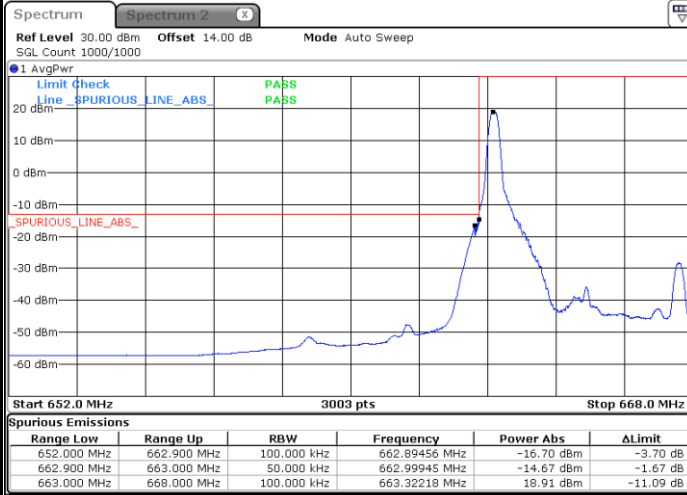


Date: 25.OCT.2023 14:24:00



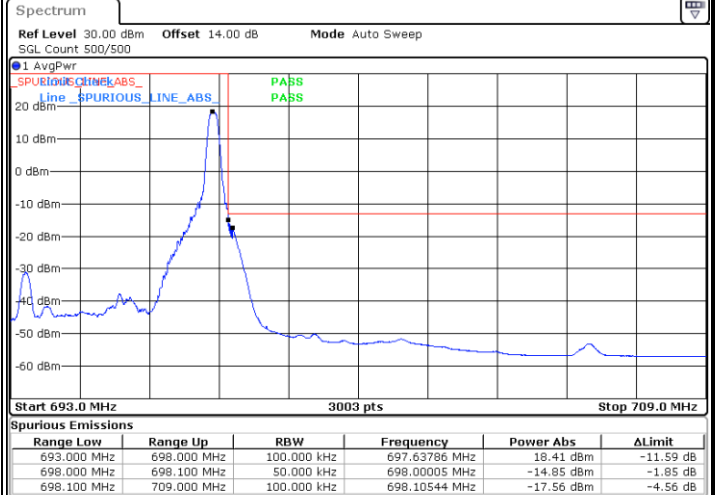
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1RB



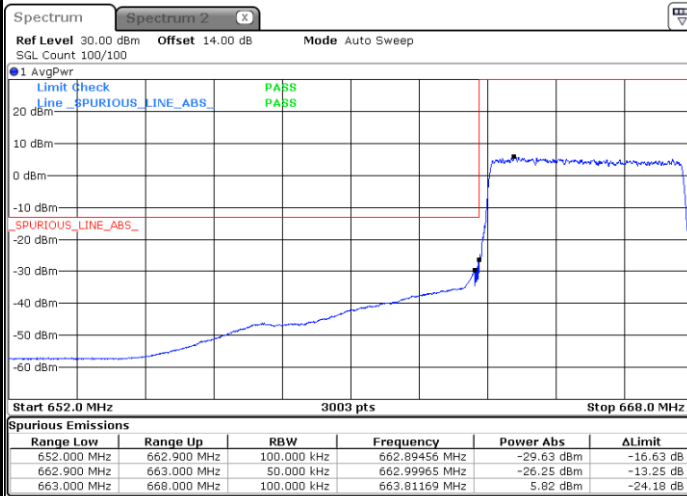
Date: 25.OCT.2023 15:54:36

Highest Band Edge / 1 RB



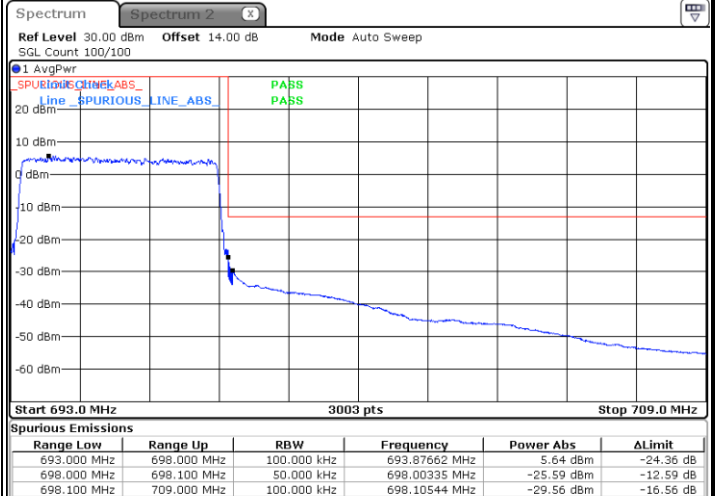
Date: 1.NOV.2023 11:22:07

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:22:03

Highest Band Edge / Full RB

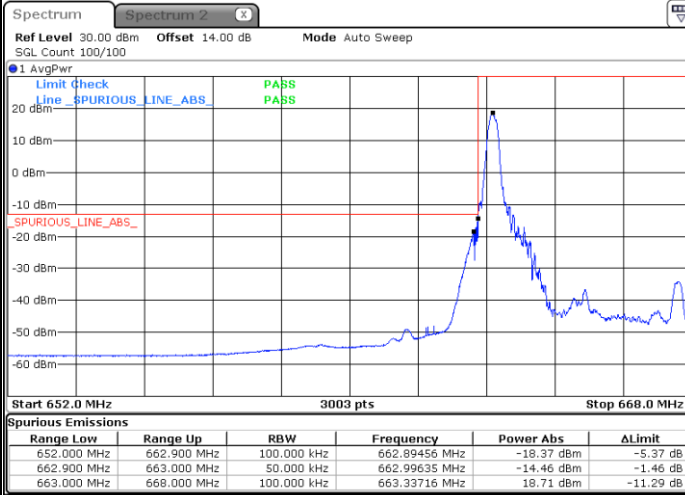


Date: 25.OCT.2023 14:24:50



LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



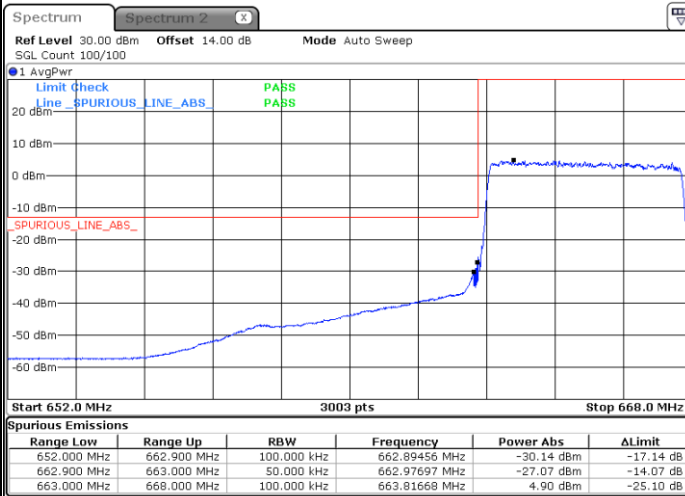
Date: 25.OCT.2023 14:20:10

Highest Band Edge / 1 RB



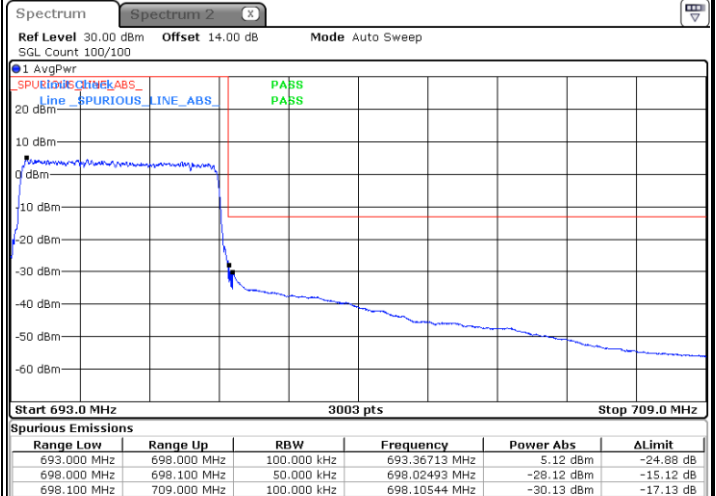
Date: 25.OCT.2023 14:26:52

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:21:10

Highest Band Edge / Full RB

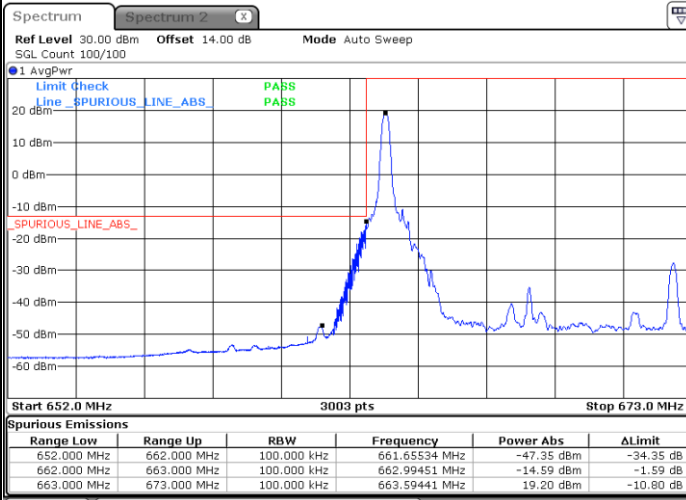


Date: 25.OCT.2023 14:25:45



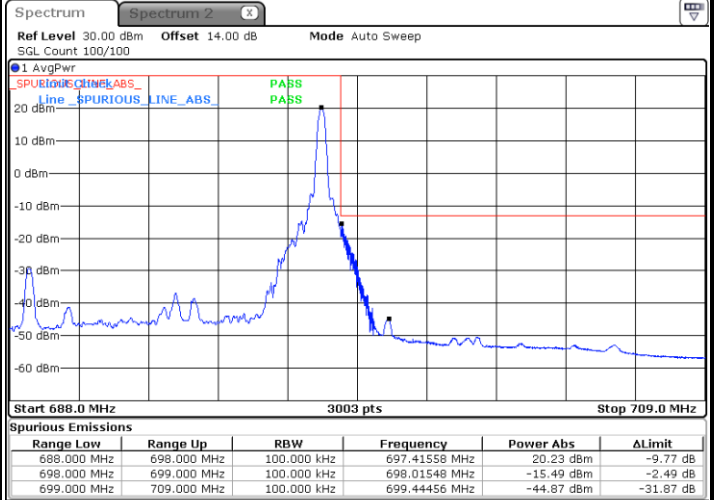
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



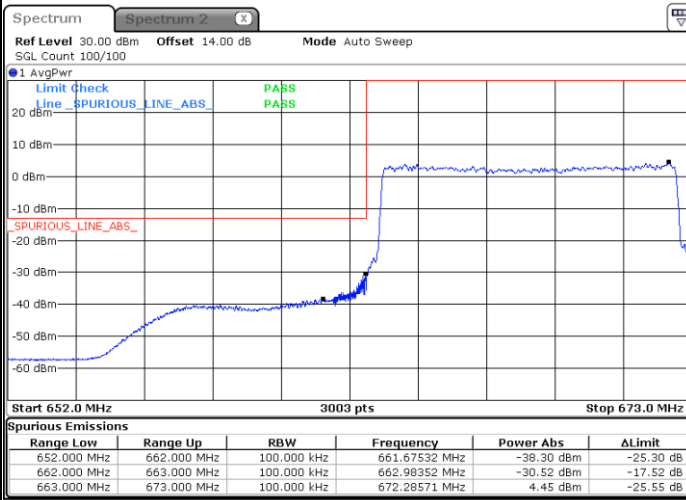
Date: 25.OCT.2023 14:47:40

Highest Band Edge / 1 RB



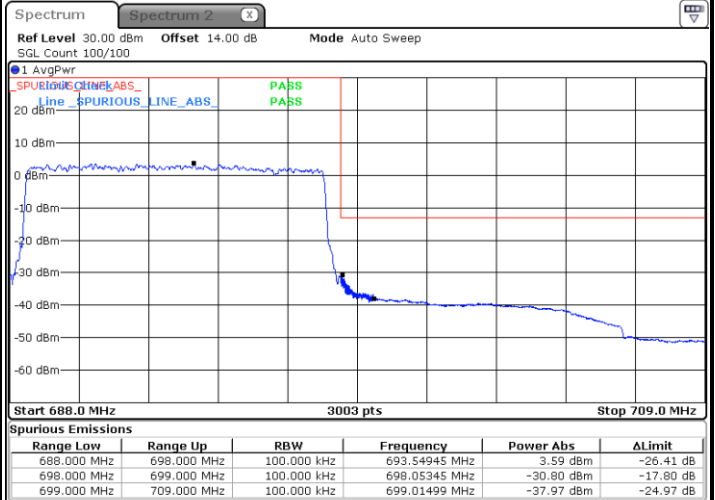
Date: 25.OCT.2023 14:55:47

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:50:43

Highest Band Edge / Full RB

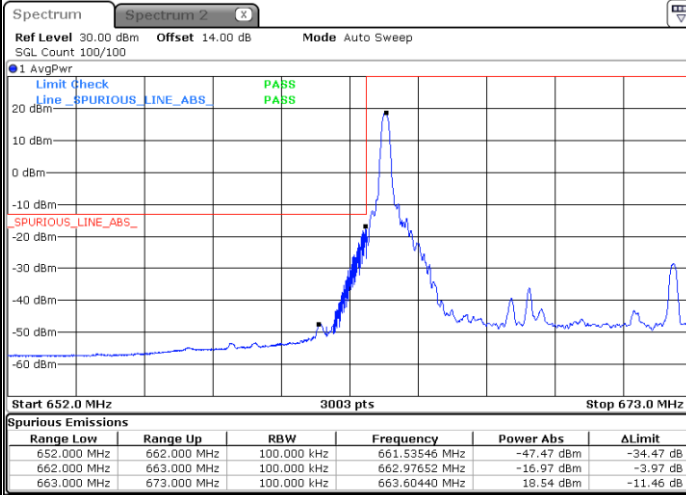


Date: 25.OCT.2023 14:54:52



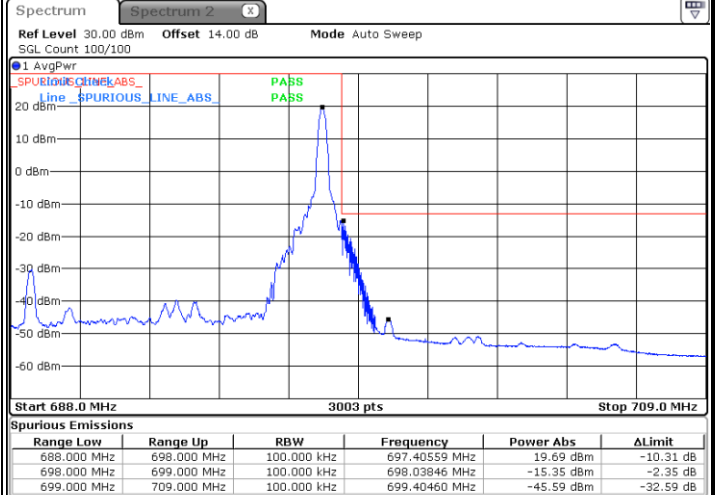
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1RB



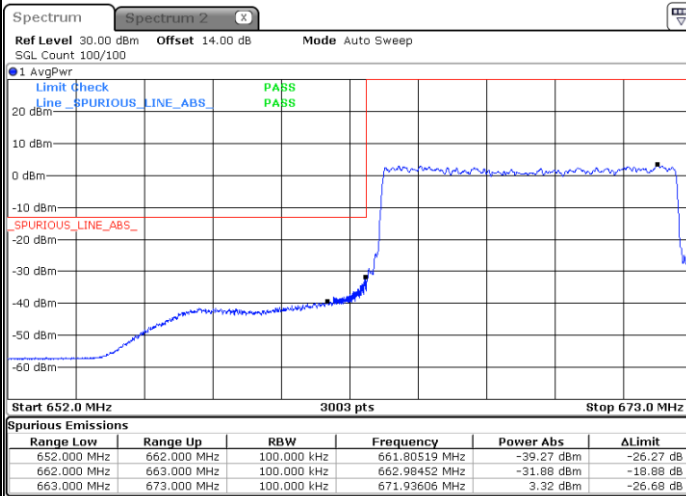
Date: 25.OCT.2023 14:48:31

Highest Band Edge / 1 RB



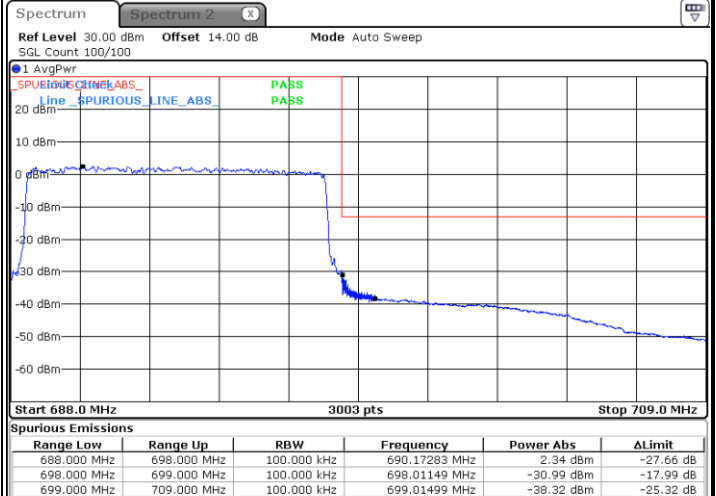
Date: 25.OCT.2023 14:56:34

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:51:27

Highest Band Edge / Full RB

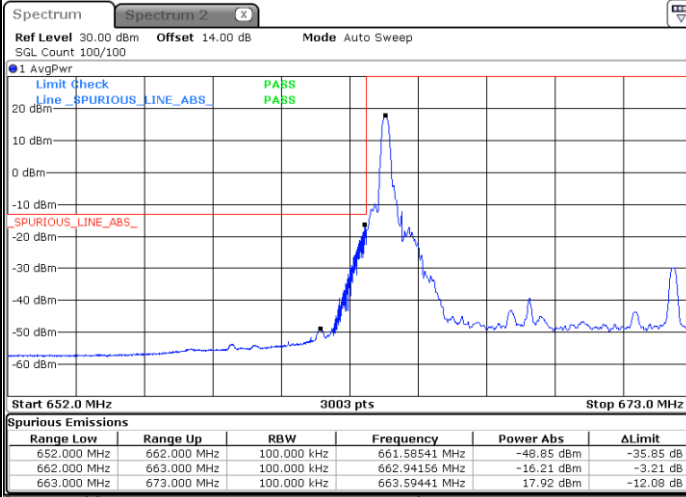


Date: 25.OCT.2023 14:54:02



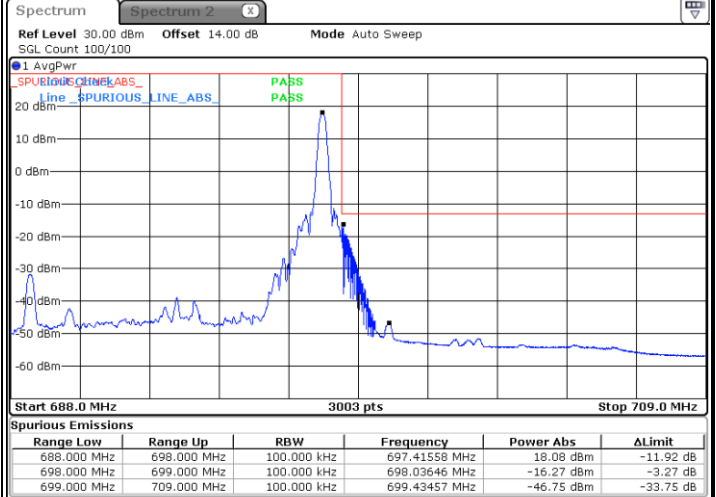
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1RB



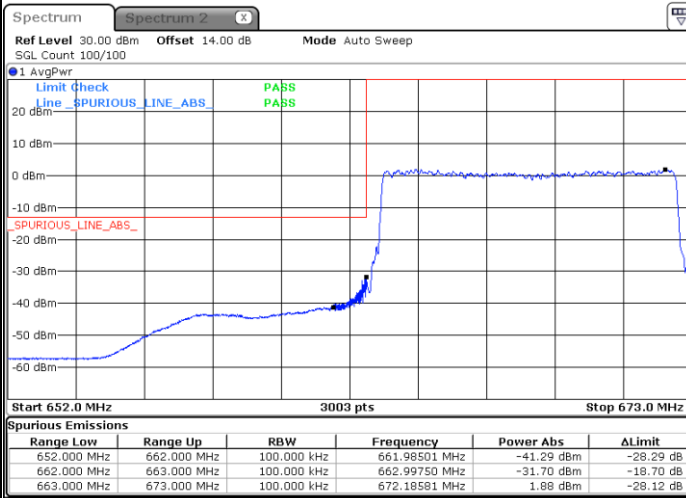
Date: 25.OCT.2023 14:49:16

Highest Band Edge / 1 RB



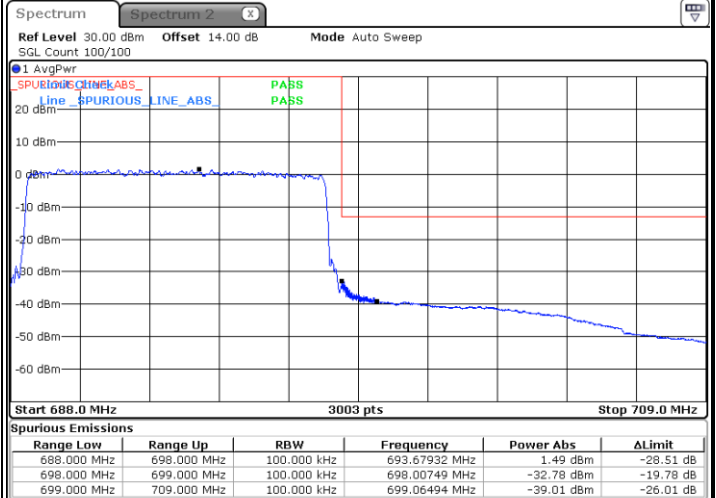
Date: 25.OCT.2023 14:57:28

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:52:10

Highest Band Edge / Full RB

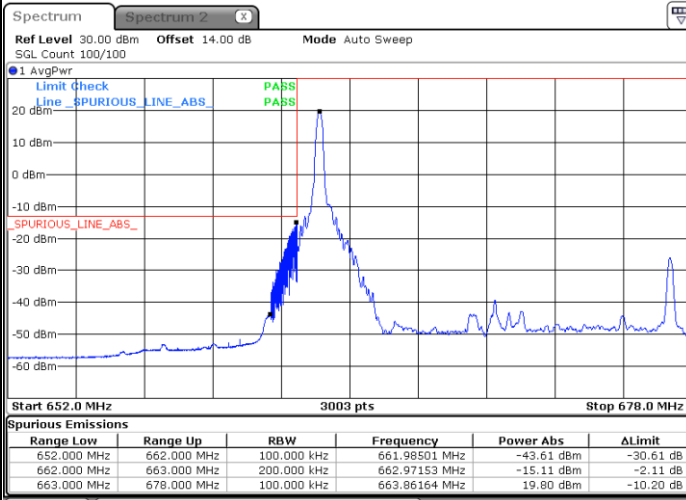


Date: 25.OCT.2023 14:53:17



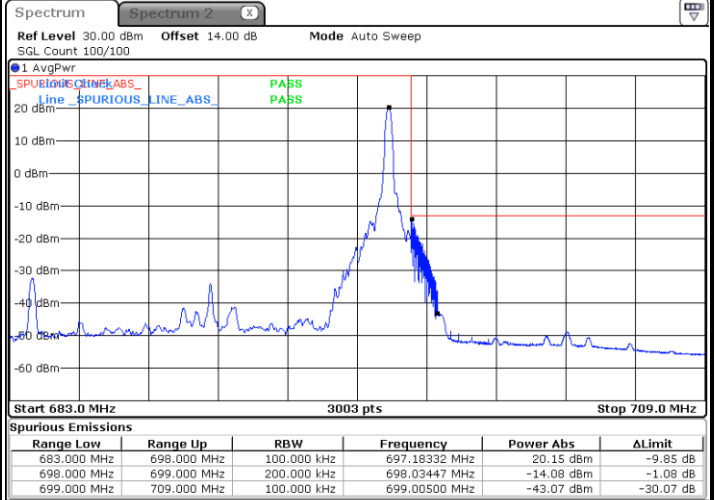
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



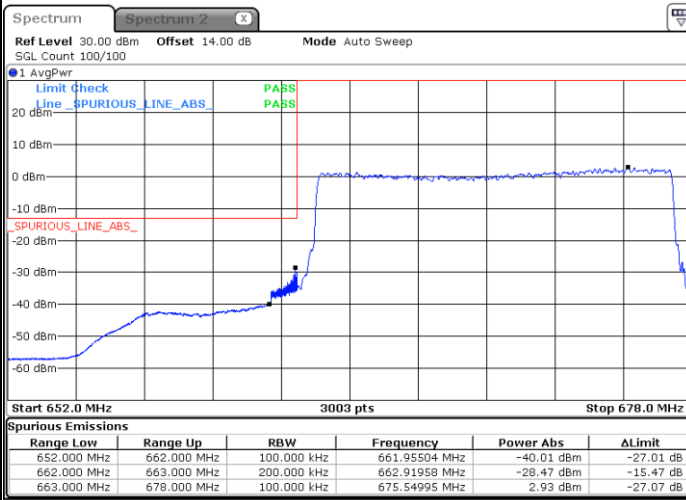
Date: 25.OCT.2023 15:02:41

Highest Band Edge / 1 RB



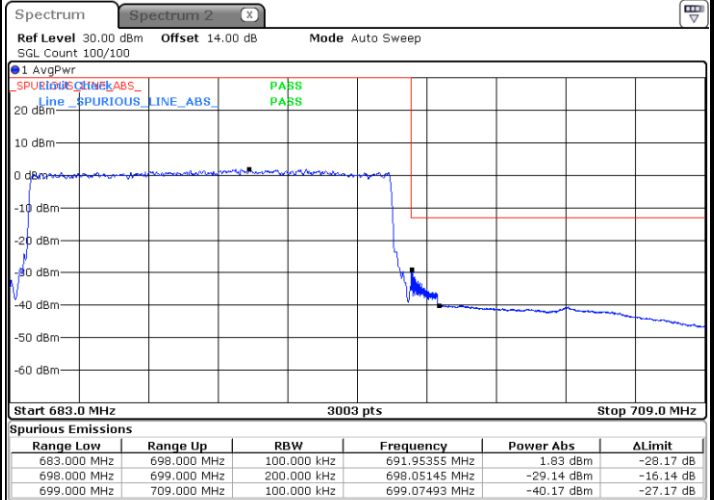
Date: 25.OCT.2023 15:59:04

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:07:28

Highest Band Edge / Full RB



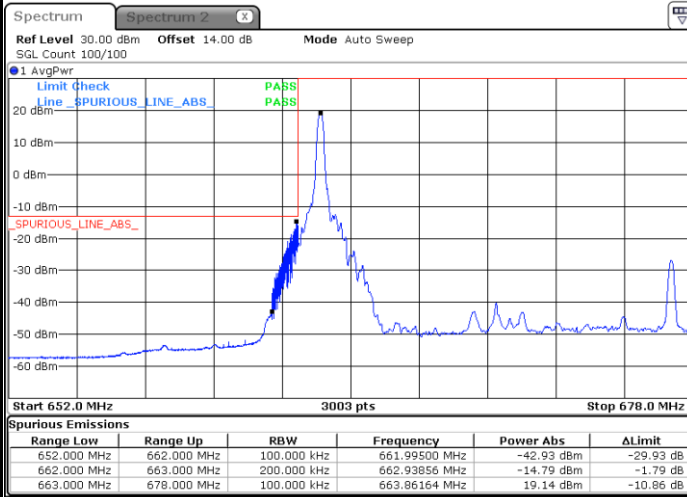
Date: 25.OCT.2023 15:08:33





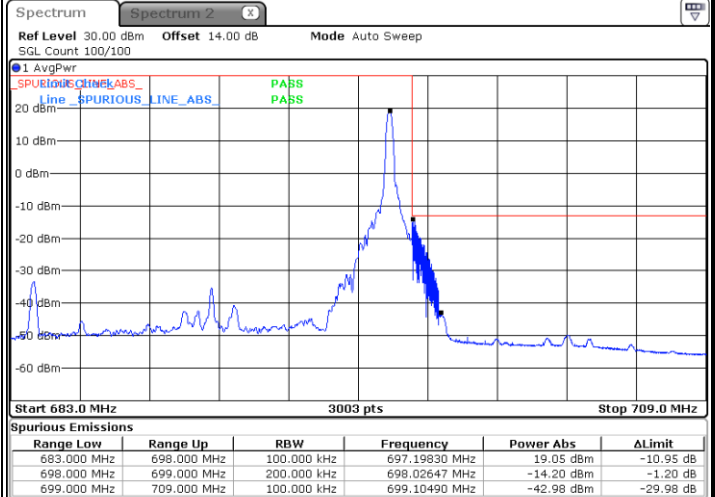
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1RB



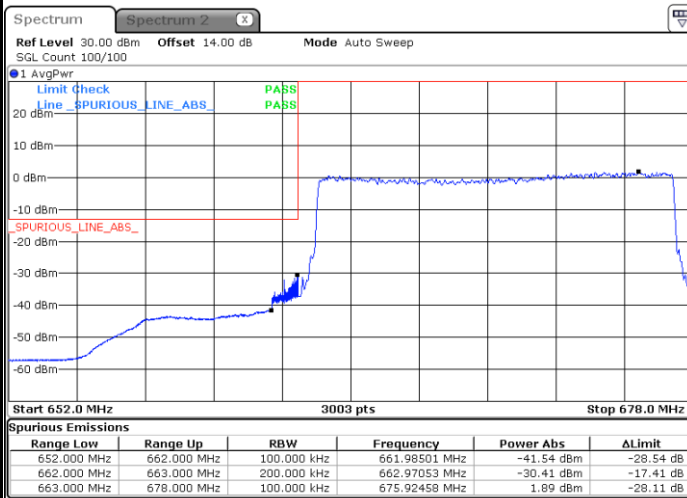
Date: 25.OCT.2023 15:04:11

Highest Band Edge / 1 RB



Date: 25.OCT.2023 15:12:14

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:06:37

Highest Band Edge / Full RB

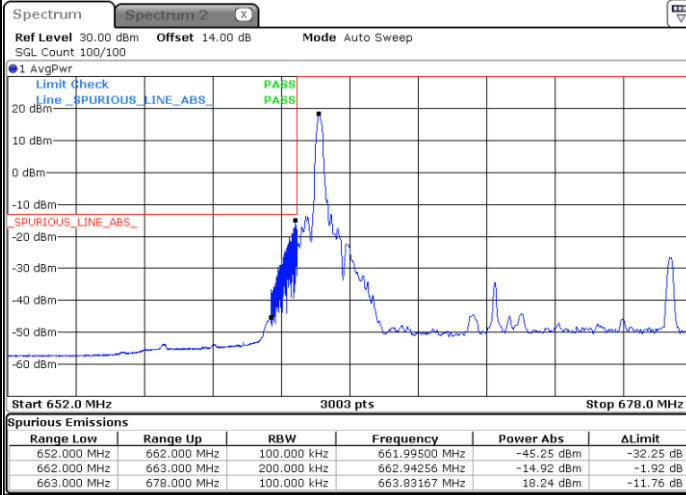


Date: 25.OCT.2023 15:09:19



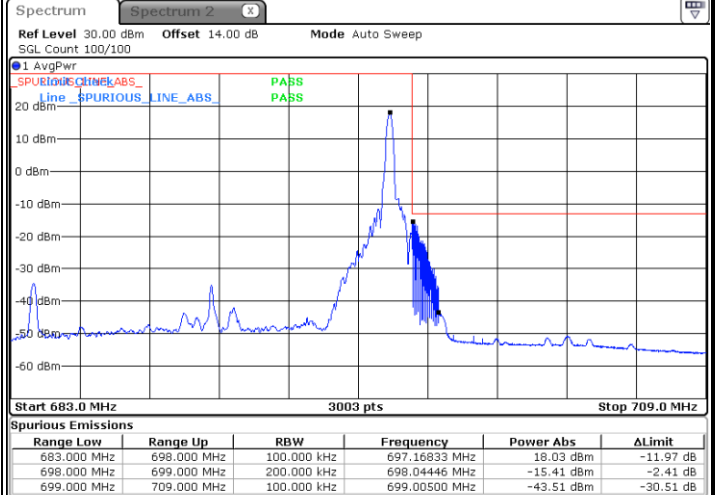
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1RB



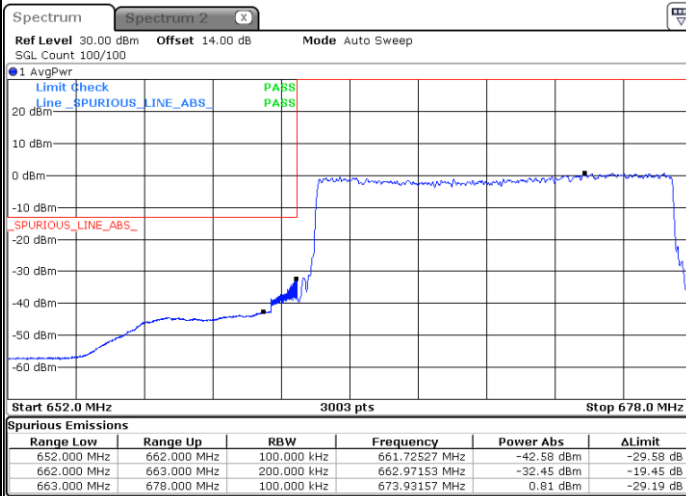
Date: 25.OCT.2023 15:04:56

Highest Band Edge / 1 RB



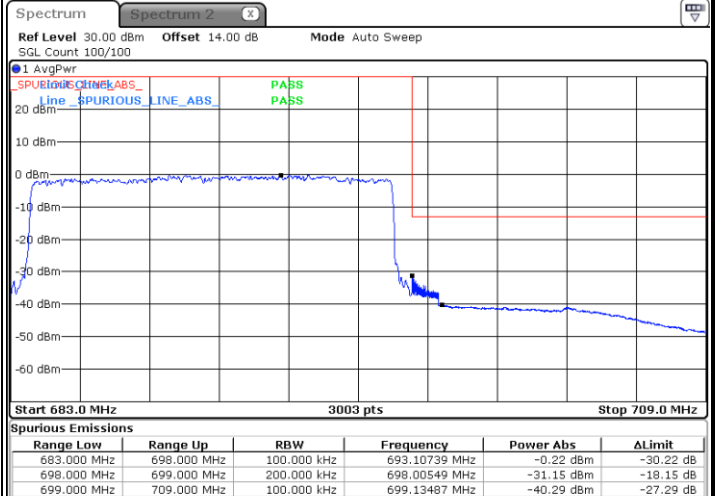
Date: 25.OCT.2023 15:11:15

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:05:50

Highest Band Edge / Full RB

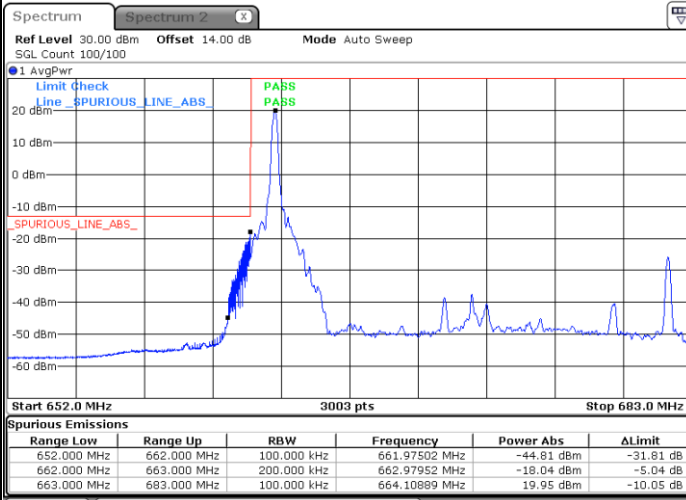


Date: 25.OCT.2023 15:10:11



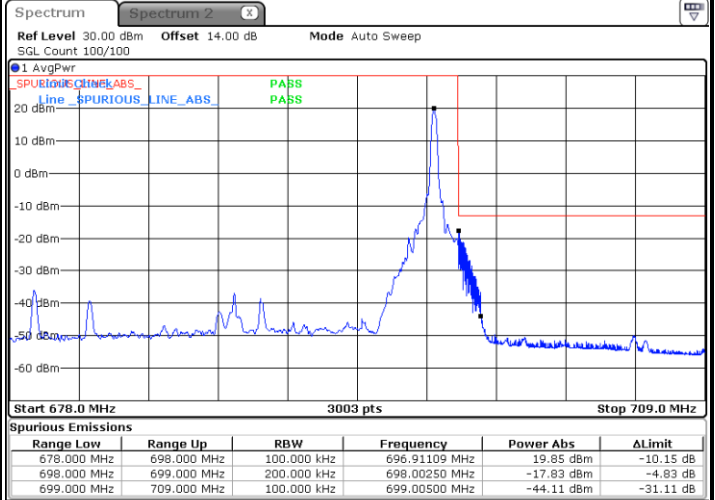
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



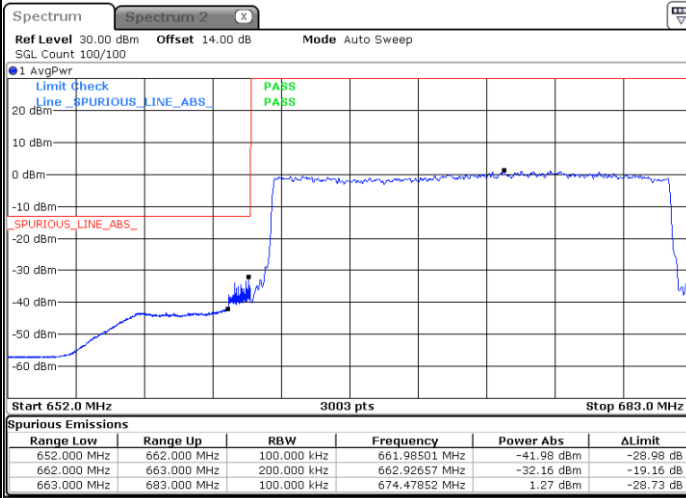
Date: 25.OCT.2023 15:18:07

Highest Band Edge / 1 RB



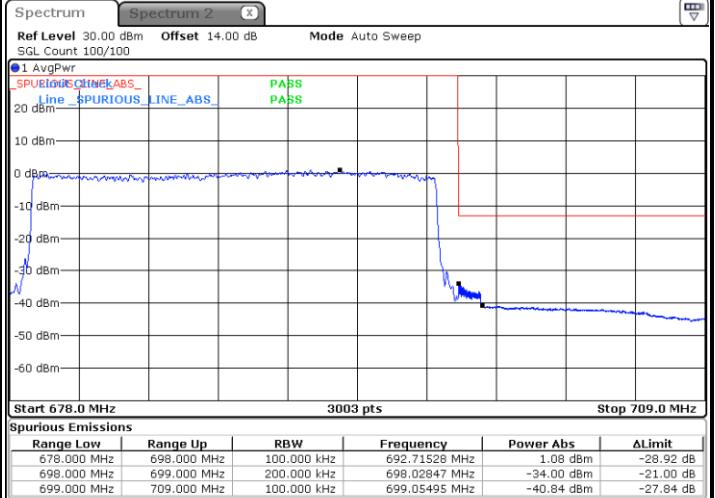
Date: 25.OCT.2023 15:29:21

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:23:35

Highest Band Edge / Full RB

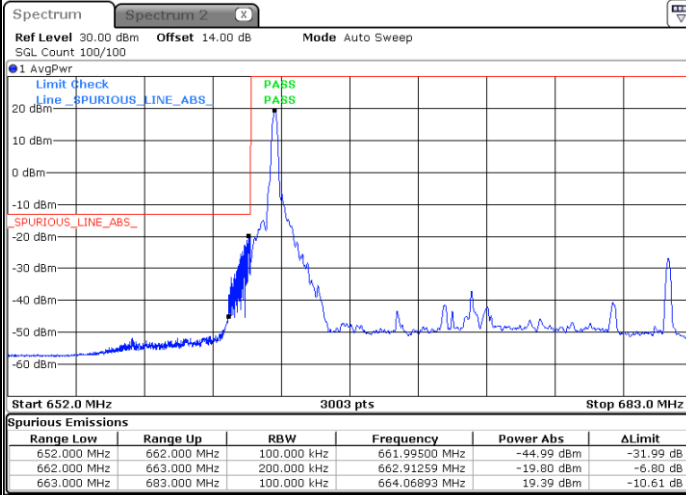


Date: 25.OCT.2023 15:24:38



LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1RB



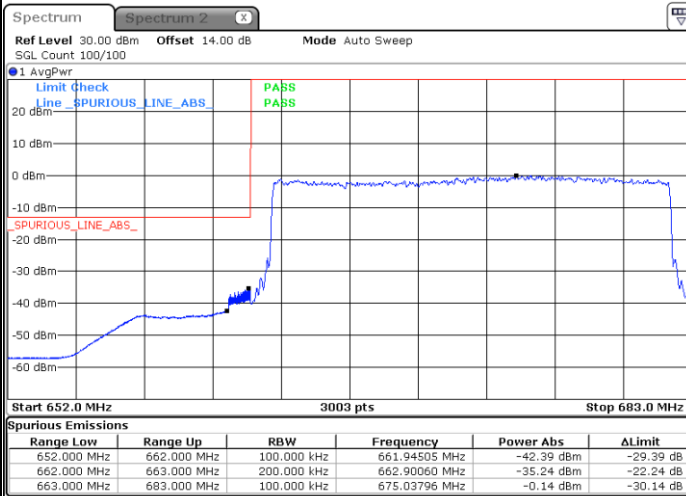
Date: 25.OCT.2023 15:19:56

Highest Band Edge / 1 RB



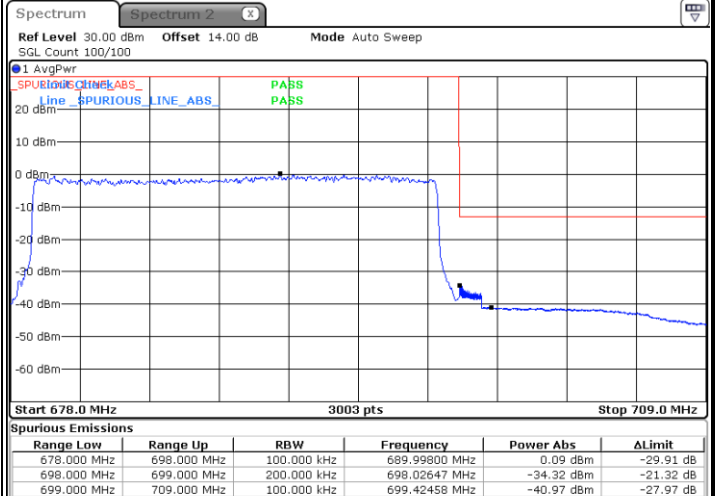
Date: 25.OCT.2023 15:28:33

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:22:47

Highest Band Edge / Full RB

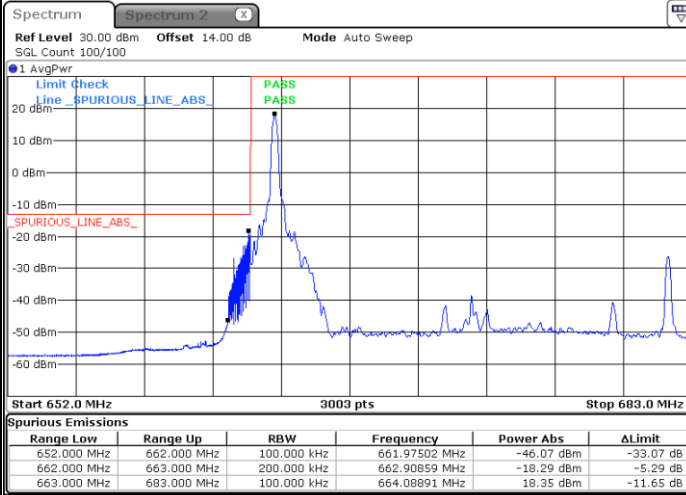


Date: 25.OCT.2023 15:25:40



LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1RB



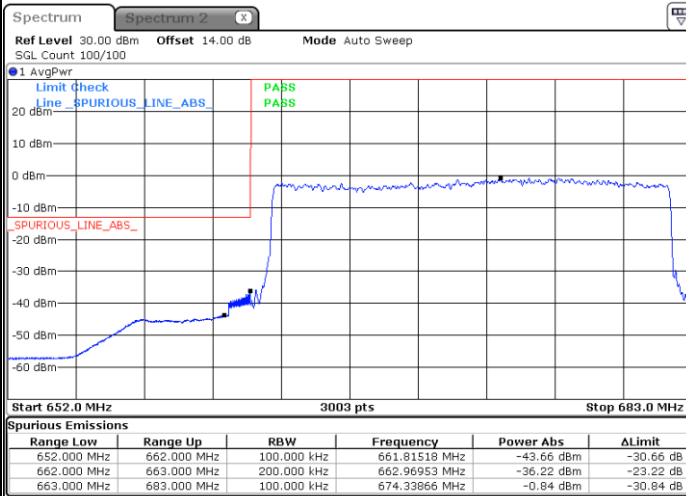
Date: 25.OCT.2023 15:20:45

Highest Band Edge / 1 RB



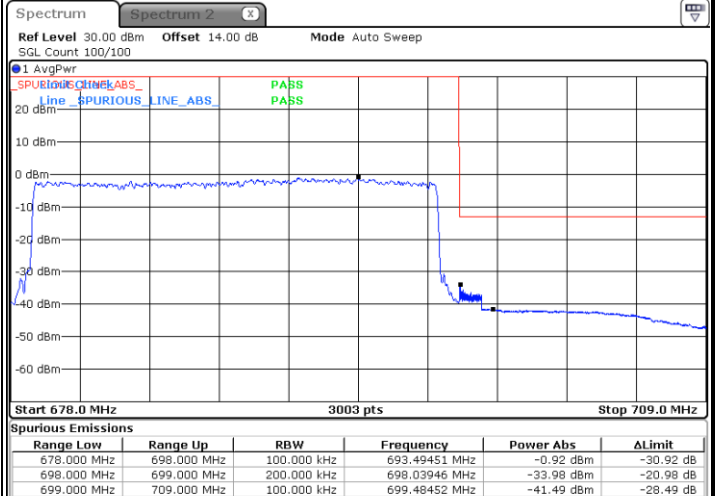
Date: 25.OCT.2023 15:27:40

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:21:52

Highest Band Edge / Full RB



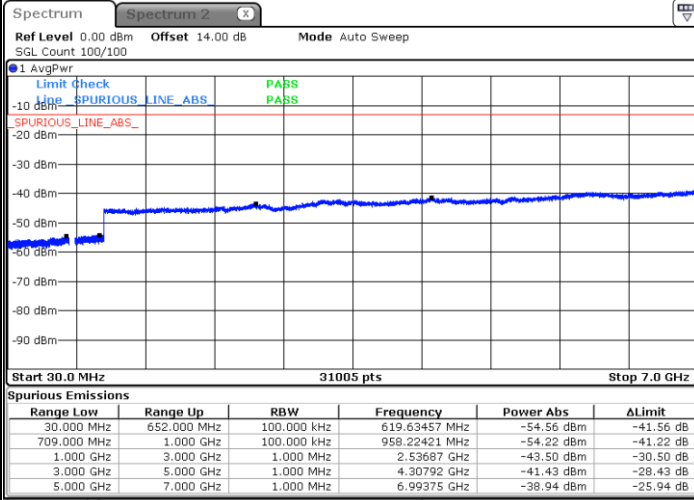
Date: 25.OCT.2023 15:26:39



# Conducted Spurious Emission

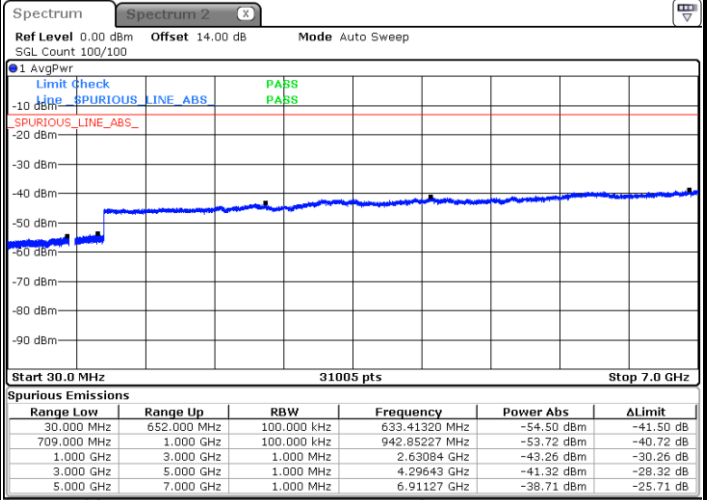
## LTE Band 71 / 5MHz

### Lowest Channel / QPSK



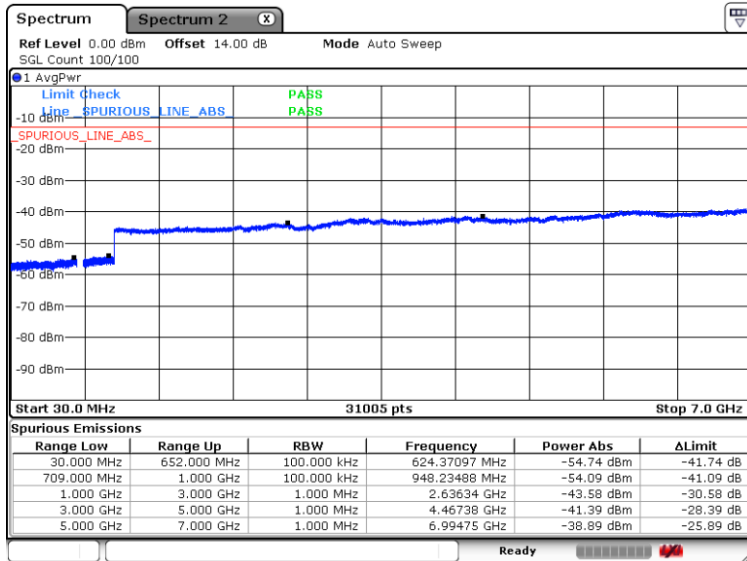
Date: 25.OCT.2023 14:18:24

### Middle Channel / QPSK



Date: 25.OCT.2023 14:30:29

### Highest Channel / QPSK

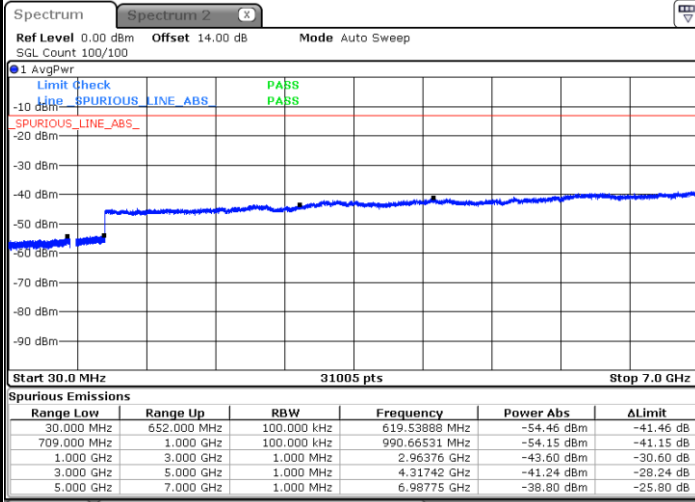


Date: 25.OCT.2023 14:29:40



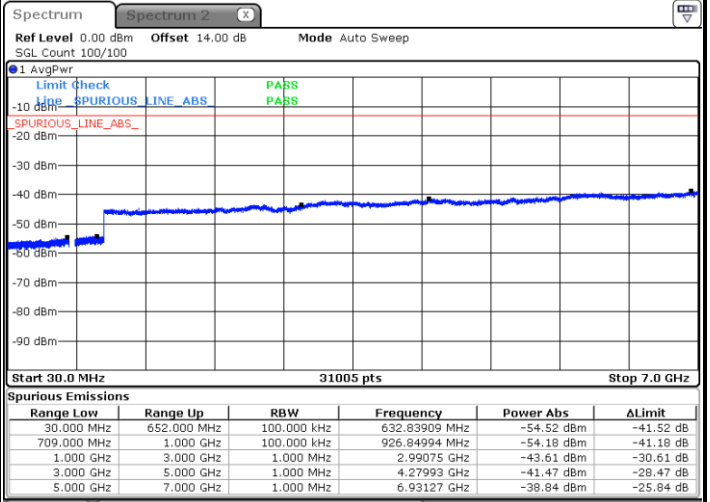
LTE Band 71 / 10MHz

Lowest Channel / QPSK



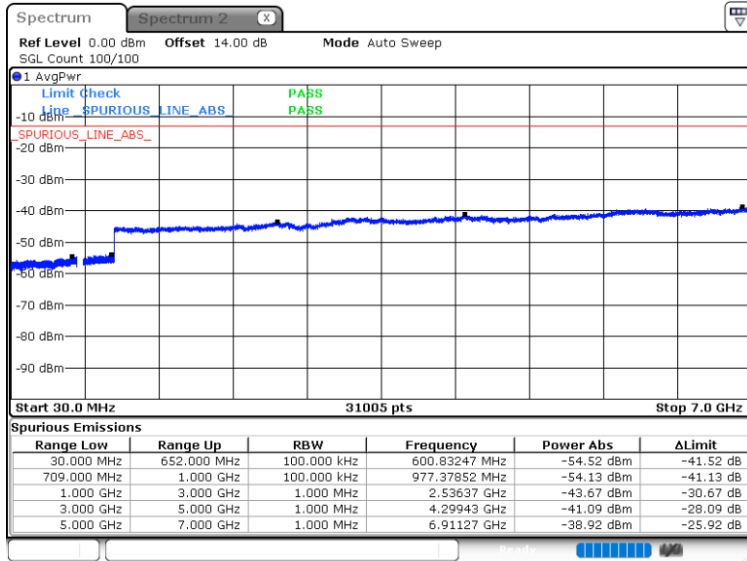
Date: 25.OCT.2023 14:49:51

Middle Channel / QPSK



Date: 25.OCT.2023 14:59:28

Highest Channel / QPSK

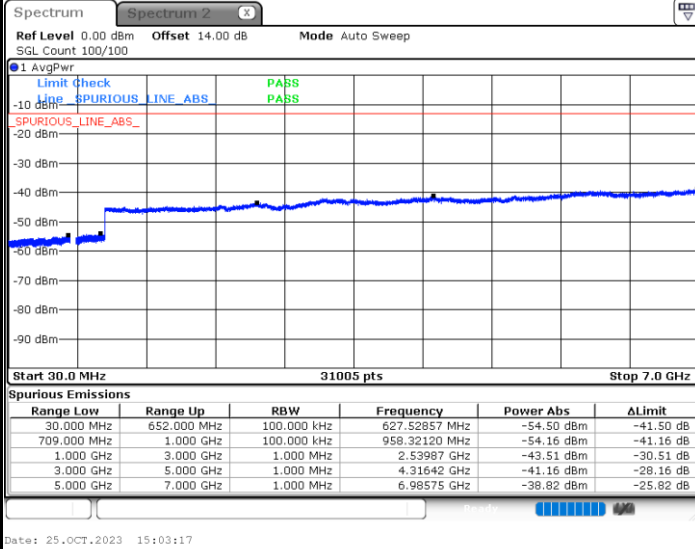


Date: 25.OCT.2023 14:58:30

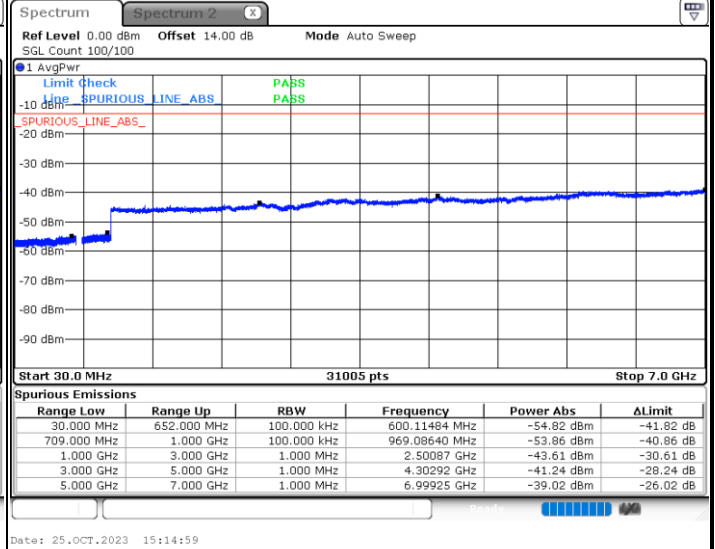


LTE Band 71 / 15MHz

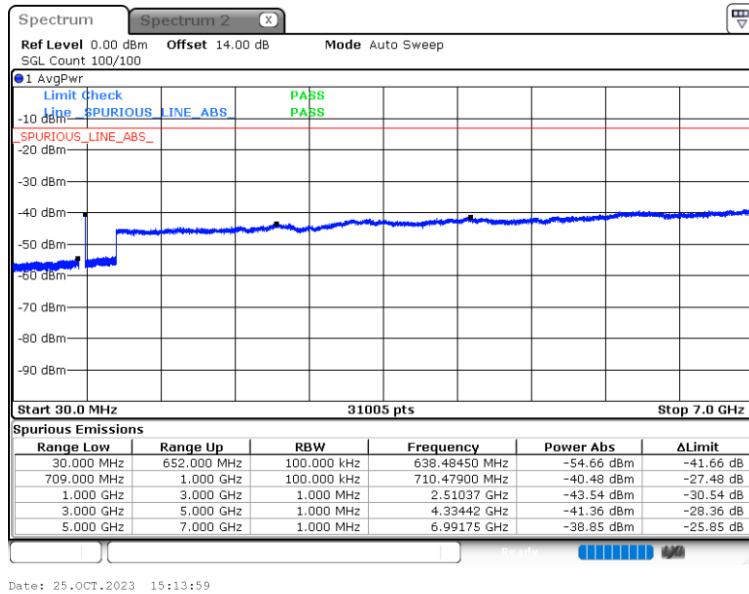
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

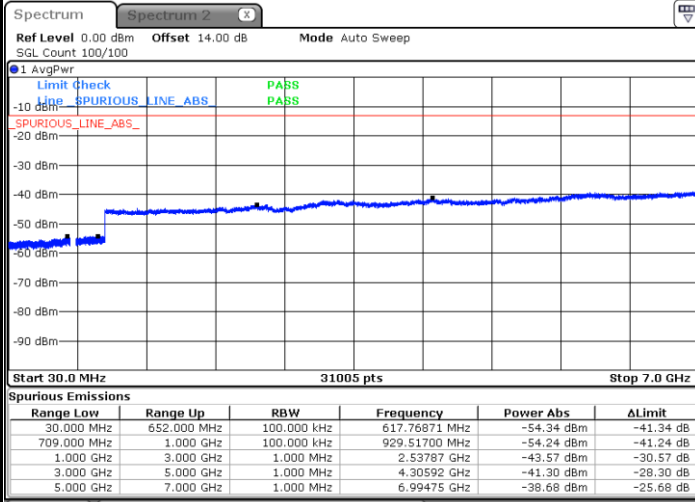






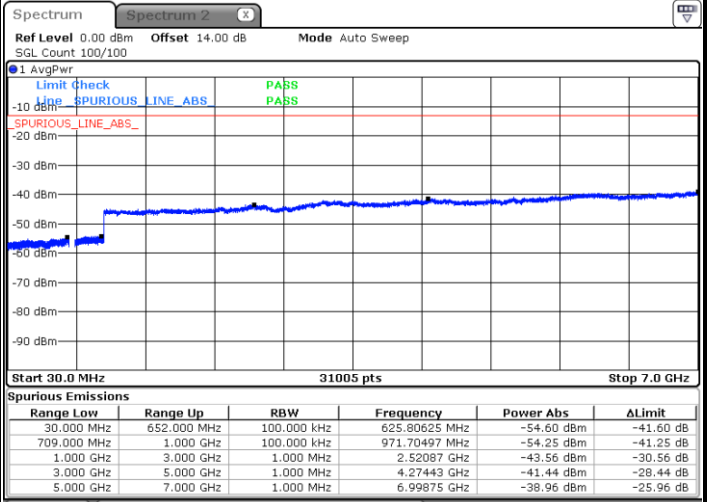
LTE Band 71 / 20MHz

Lowest Channel / QPSK



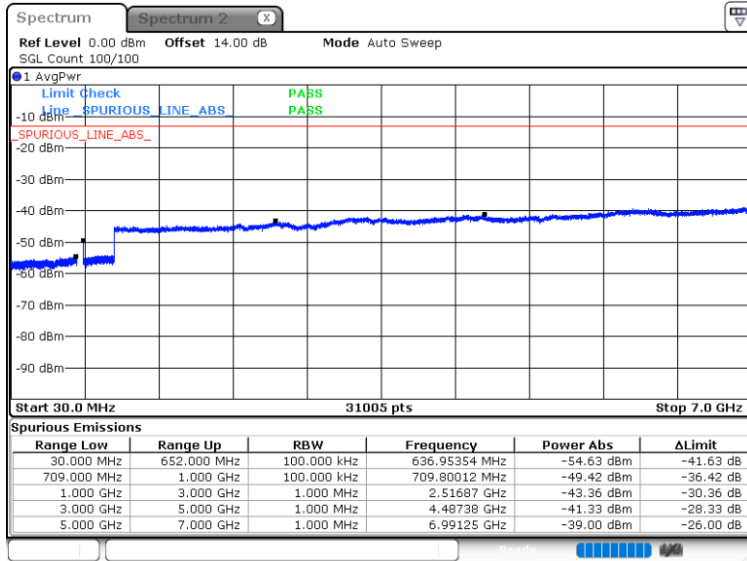
Date: 25.OCT.2023 15:19:09

Middle Channel / QPSK



Date: 25.OCT.2023 15:30:38

Highest Channel / QPSK



Date: 25.OCT.2023 15:30:00



### Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

**Note:**

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



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( 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	5052.18	-51.15	-25	-26.15	-75.10	-56.71	7.14	12.70	H
	7578.27	-50.58	-25	-25.58	-77.28	-53.88	8.30	11.60	H
	10104.36	-51.94	-25	-26.94	-82.88	-53.46	10.48	12.00	H
	5052.18	-47.72	-25	-22.72	-73	-53.28	7.14	12.70	V
	7578.27	-51.48	-25	-26.48	-78.18	-54.78	8.30	11.60	V
	10104.36	-51.07	-25	-26.07	-82.99	-52.59	10.48	12.00	V

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

LTE Band 12 / 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	1406	-54.56	-13	-41.56	-65.82	-57.81	4.00	9.40	H
	2109	-58.32	-13	-45.32	-76.47	-61.89	4.88	10.60	H
	2812	-57.80	-13	-44.80	-77.24	-62.73	5.52	12.60	H
	1406	-55.74	-13	-42.74	-68.06	-58.99	4.00	9.40	V
	2109	-59.89	-13	-46.89	-77.83	-63.46	4.88	10.60	V
	2812	-57.93	-13	-44.93	-78.18	-62.86	5.52	12.60	V

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

LTE Band 13 / 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	1559.5	-62.96	-42.15	-20.81	-74.74	-66.21	4.00	9.40	H
	2339.25	-58.27	-13	-45.27	-76.88	-61.84	4.88	10.60	H
	3119	-57.64	-13	-44.64	-77.96	-62.57	5.52	12.60	H
	1559.5	-58.66	-42.15	-16.51	-71.06	-61.91	4.00	9.40	V
	2339.25	-55.00	-13	-42.00	-73.98	-58.57	4.88	10.60	V
	3119	-56.49	-13	-43.49	-78.61	-61.42	5.52	12.60	V

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



LTE Band 13 / 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	1559.5	-63.84	-42.15	-21.69	-75.62	-67.09	4.00	9.40	H
	2339.25	-59.74	-13	-46.74	-78.35	-63.31	4.88	10.60	H
	3119	-58.22	-13	-45.22	-78.54	-63.15	5.52	12.60	H
	1559.5	-61.37	-42.15	-19.22	-73.77	-64.62	4.00	9.40	V
	2339.25	-59.38	-13	-46.38	-78.36	-62.95	4.88	10.60	V
	3119	-56.39	-13	-43.39	-78.51	-61.32	5.52	12.60	V

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

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( 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	5168.00	-36.21	-25	-11.21	-60.88	-41.77	7.14	12.70	H
	7752.00	-36.10	-25	-11.10	-62.33	-39.40	8.30	11.60	H
	10336.00	-42.98	-25	-17.98	-74.17	-44.50	10.48	12.00	H
	12920.00	-43.96	-25	-18.96	-78.53	-45.66	11.80	13.50	H
	5168.00	-27.23	-25	-2.23	-52.4	-32.79	7.14	12.70	V
	7752.00	-35.62	-25	-10.62	-64.94	-38.92	8.30	11.60	V
	10336.00	-43.61	-25	-18.61	-76.55	-45.13	10.48	12.00	V
	12920.00	-41.43	-25	-16.43	-74.59	-43.13	11.80	13.50	V

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

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( 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	1343	-60.45	-13	-47.45	-71.46	-63.70	4.00	9.40	H
	2014.5	-59.61	-13	-46.61	-77.32	-63.18	4.88	10.60	H
	2686	-53.73	-13	-40.73	-73.36	-58.66	5.52	12.60	H
	1343	-58.56	-13	-45.56	-70.52	-61.81	4.00	9.40	V
	2014.5	-59.85	-13	-46.85	-77.45	-63.42	4.88	10.60	V
	2686	-56.75	-13	-43.75	-76.84	-61.68	5.52	12.60	V

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