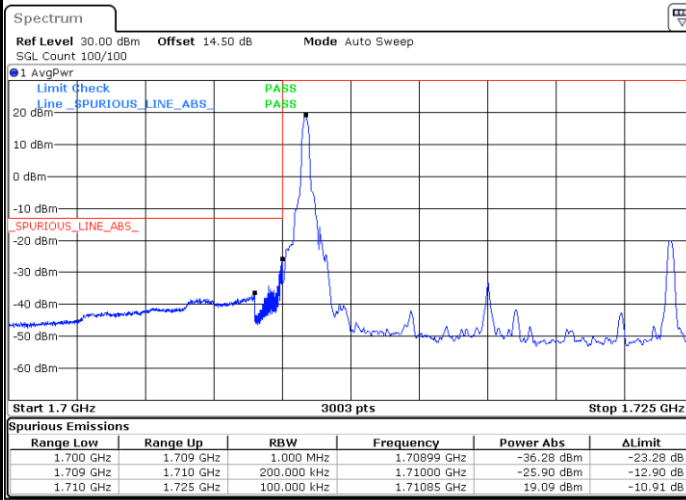


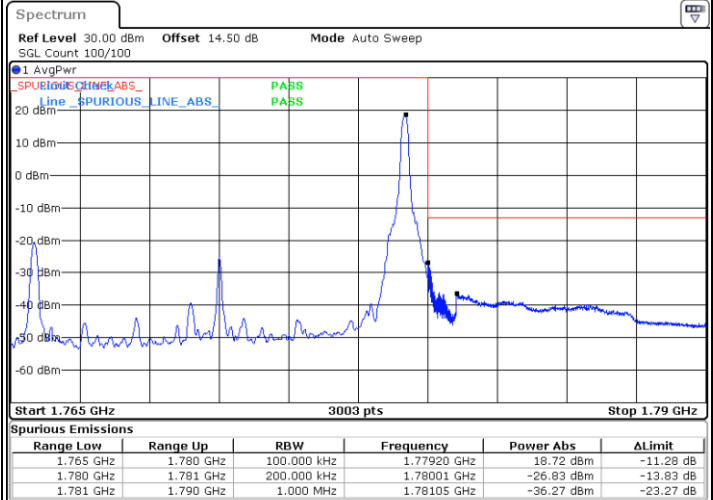


LTE Band 66 / 15MHz / 16QAM

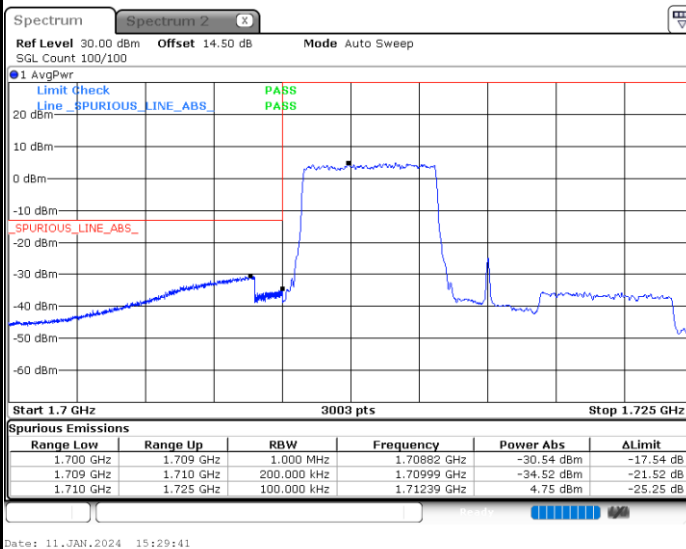
Lowest Band Edge / 1 RB



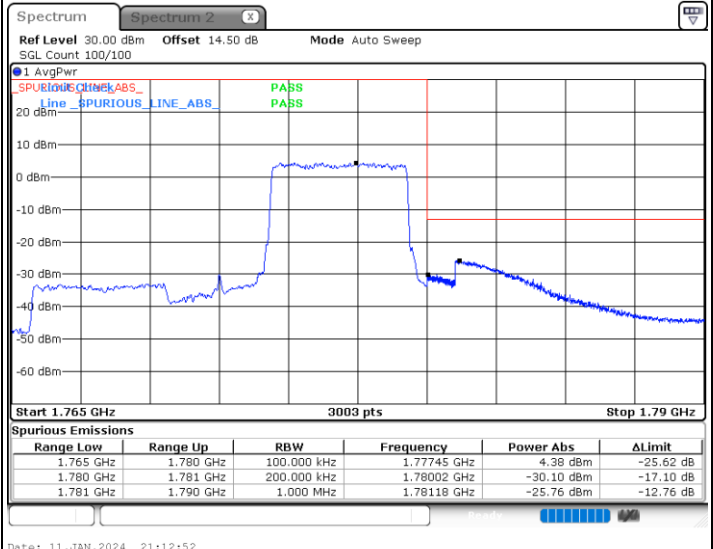
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



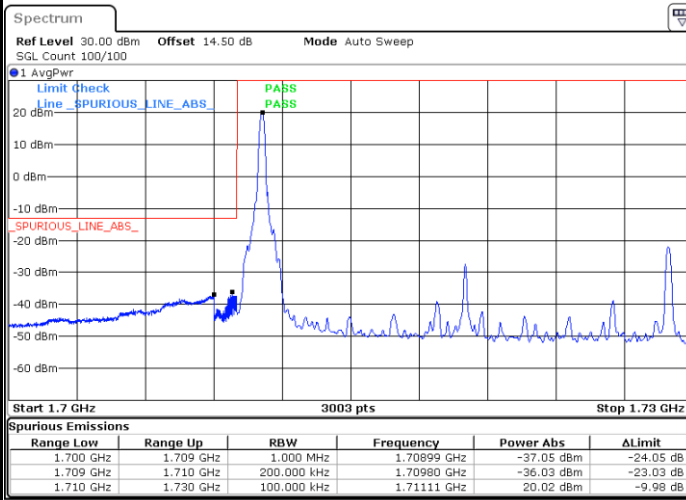
Highest Band Edge / Full RB



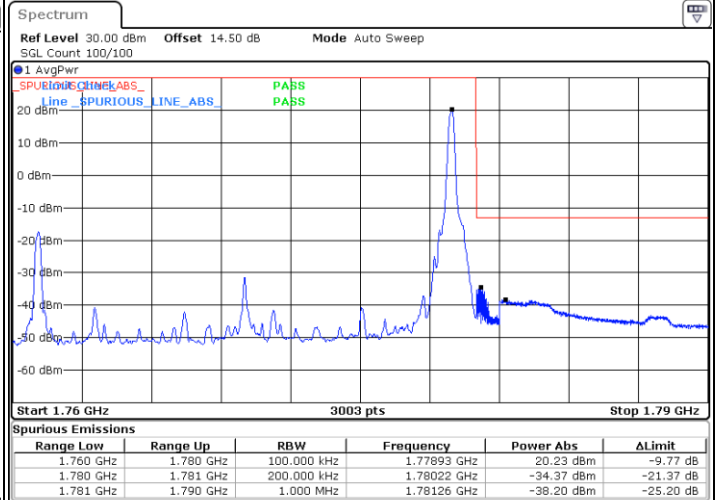


LTE Band 66 / 20MHz / QPSK

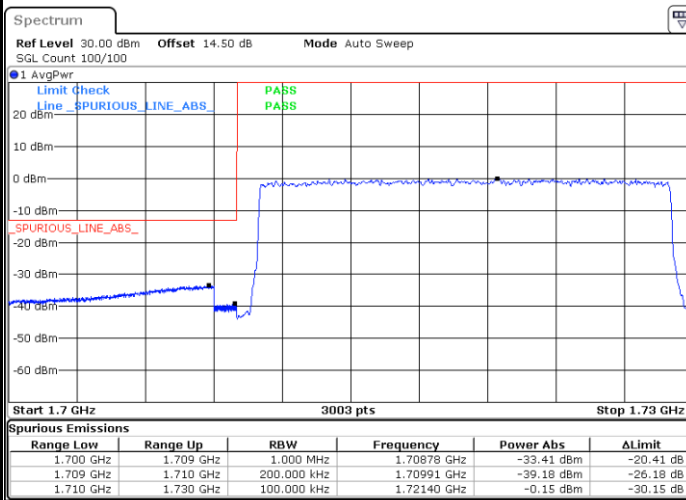
Lowest Band Edge / 1RB



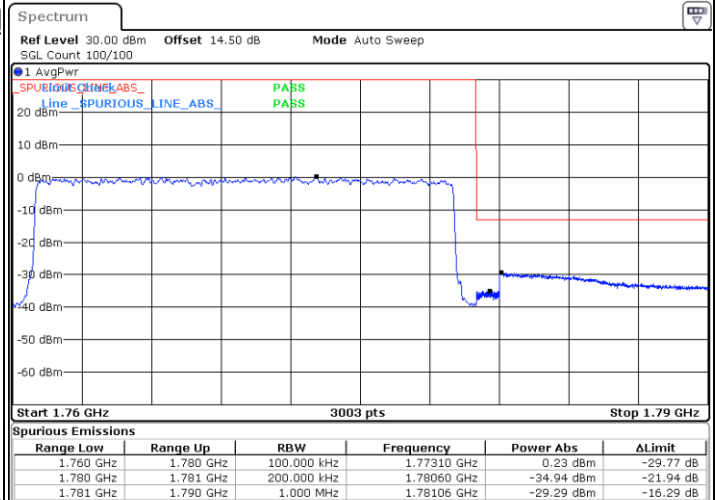
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



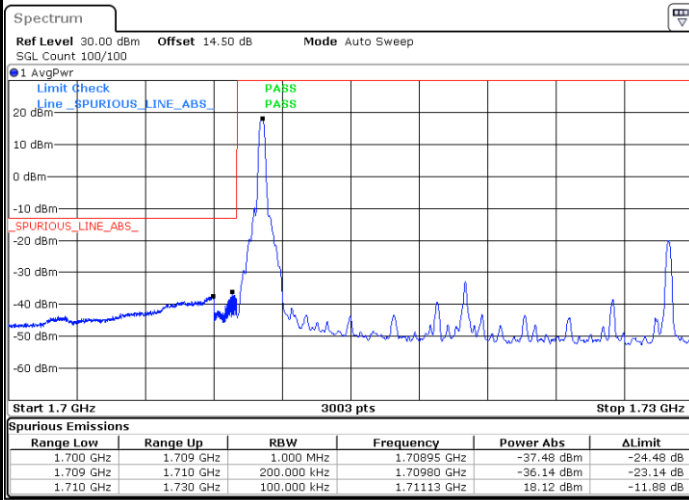
Highest Band Edge / Full RB



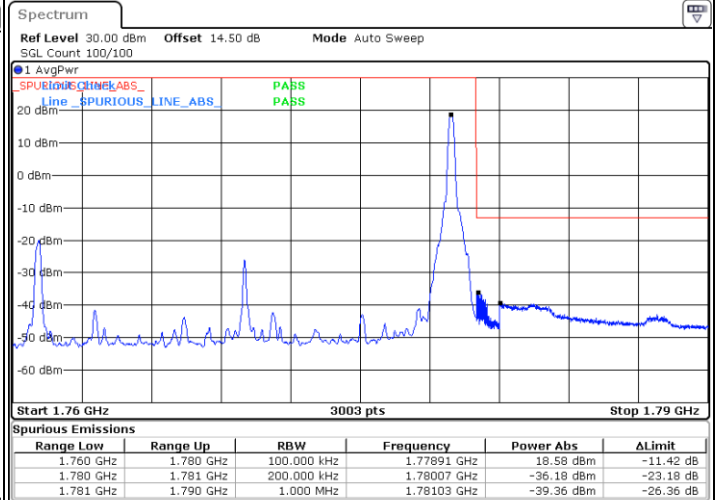


LTE Band 66 / 20MHz / 16QAM

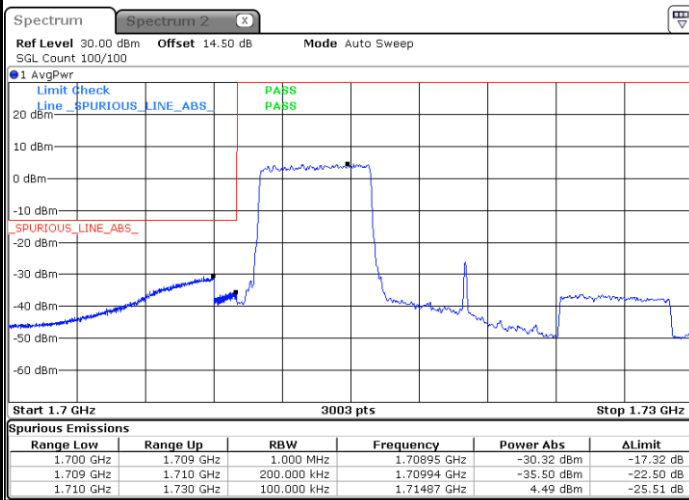
Lowest Band Edge / 1 RB



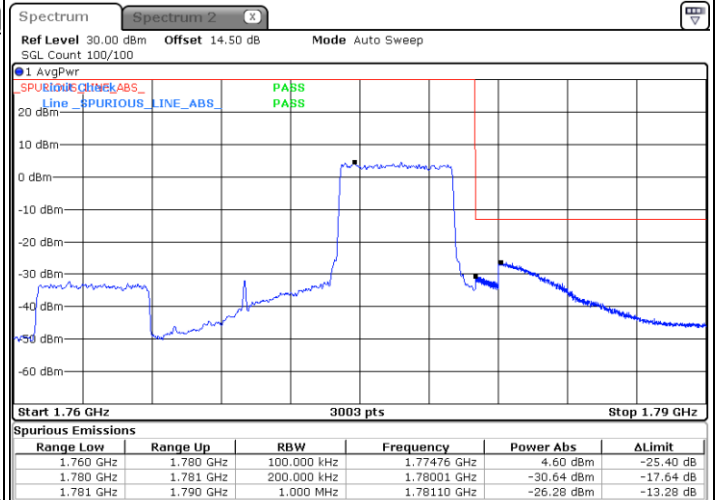
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



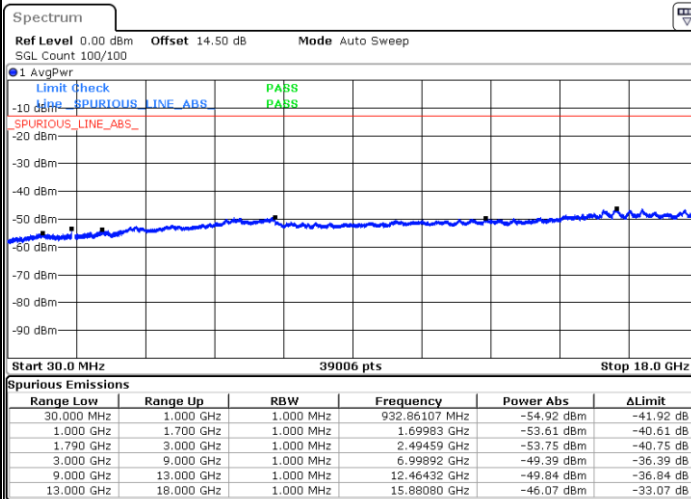
Highest Band Edge / Full RB



Conducted Spurious Emission

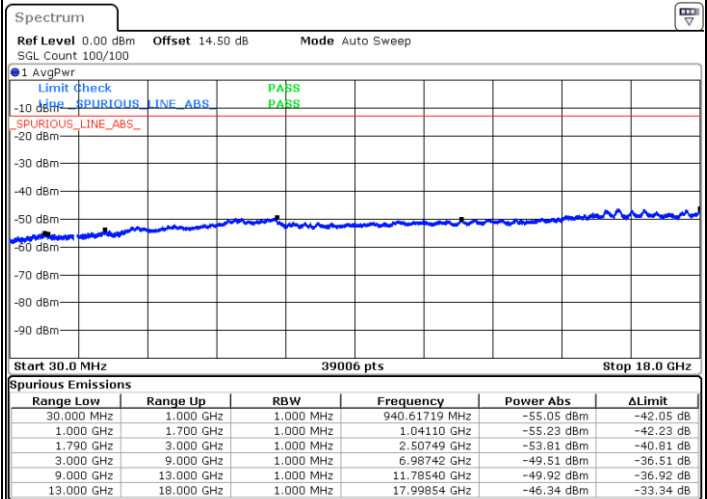
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



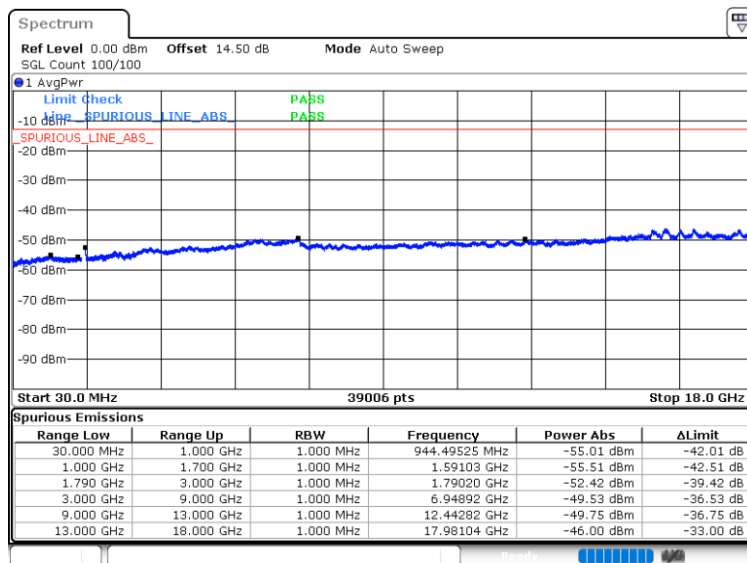
Date: 26.DEC.2023 19:31:42

Middle Channel / QPSK



Date: 26.DEC.2023 19:34:53

Highest Channel / QPSK

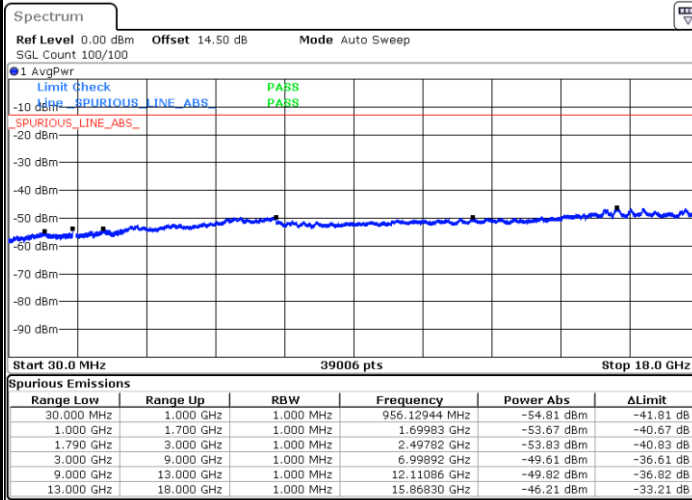


Date: 26.DEC.2023 19:39:24



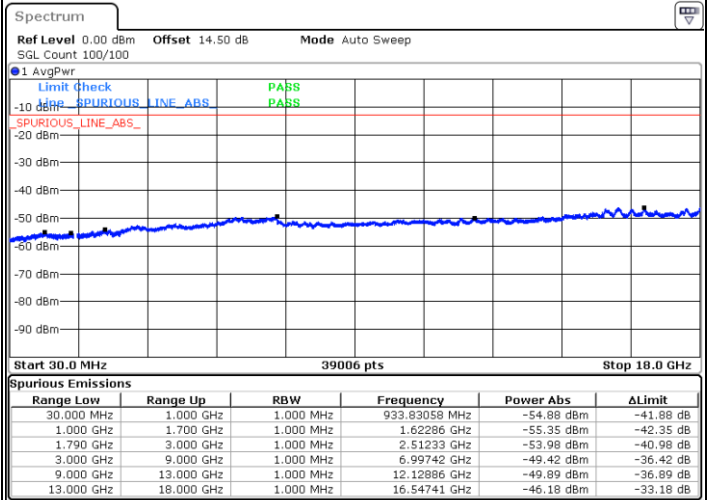
LTE Band 66 / 3MHz

Lowest Channel / QPSK



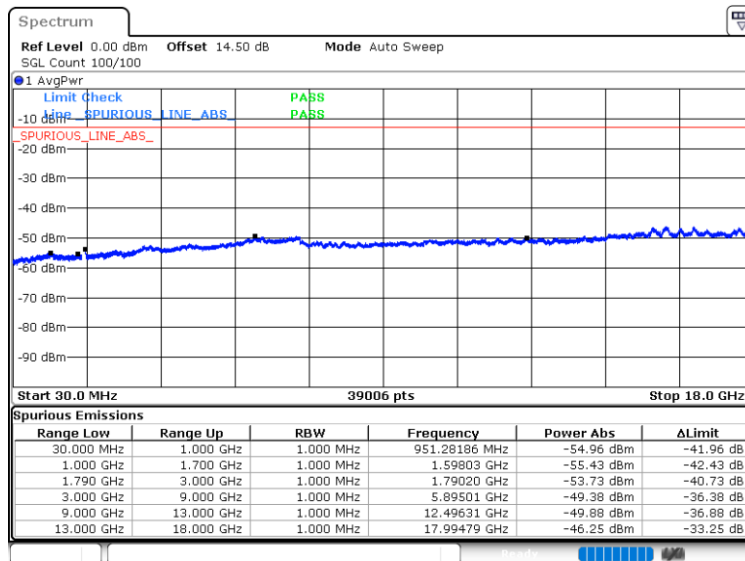
Date: 26.DEC.2023 19:49:04

Middle Channel / QPSK



Date: 26.DEC.2023 19:52:16

Highest Channel / QPSK

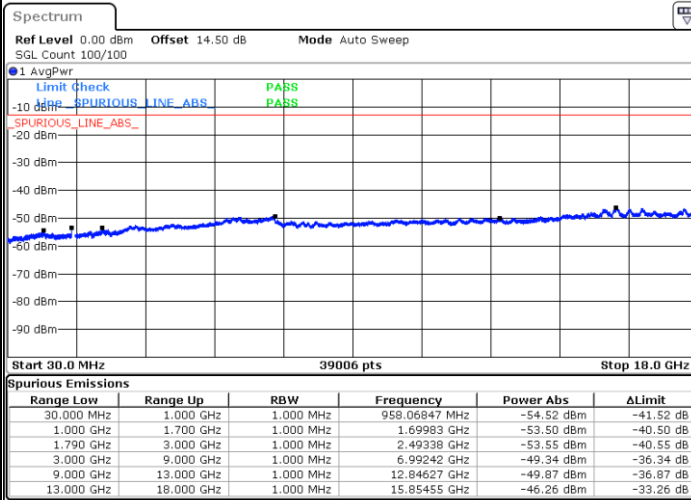


Date: 26.DEC.2023 19:58:48



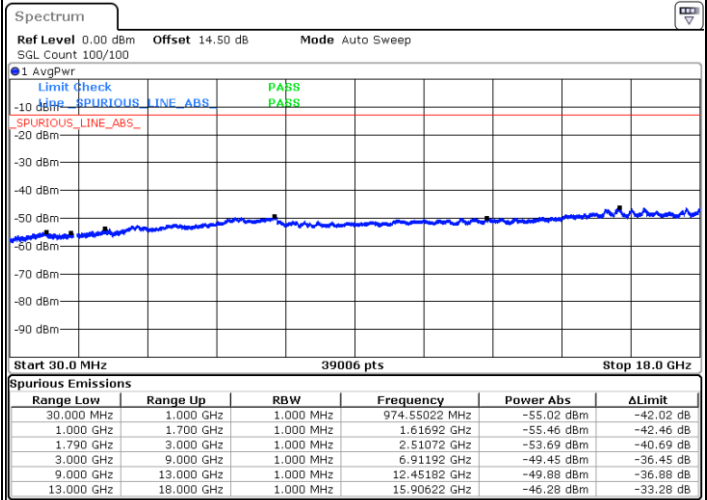
LTE Band 66 / 5MHz

Lowest Channel / QPSK



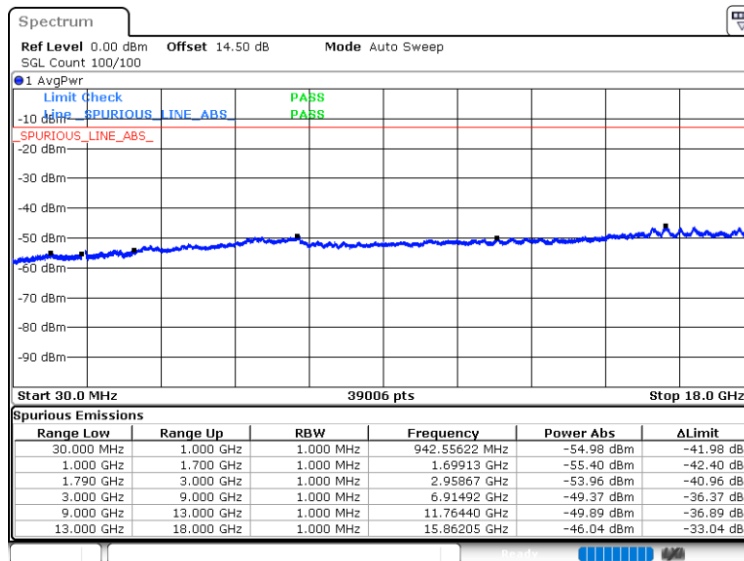
Date: 26.DEC.2023 20:03:14

Middle Channel / QPSK



Date: 26.DEC.2023 20:06:25

Highest Channel / QPSK

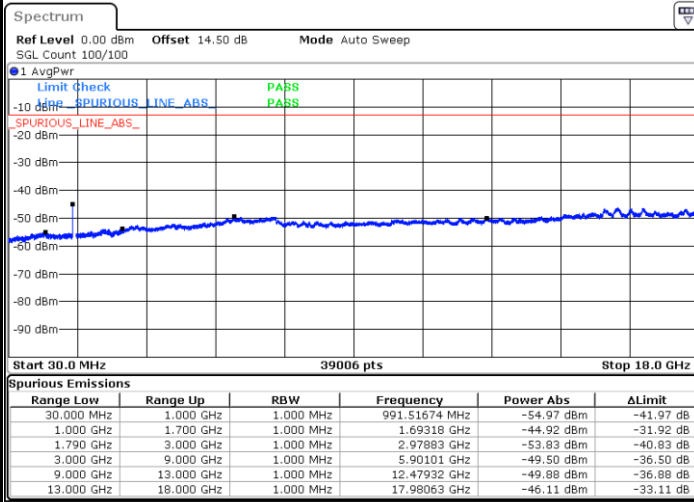


Date: 26.DEC.2023 20:12:57



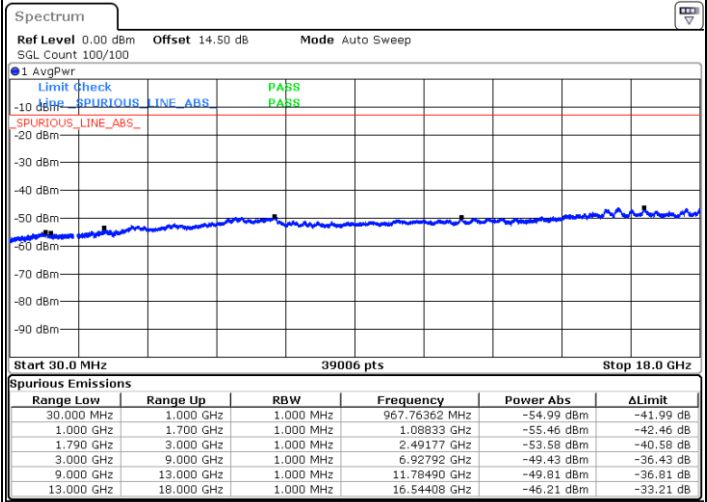
LTE Band 66 / 10MHz

Lowest Channel / QPSK



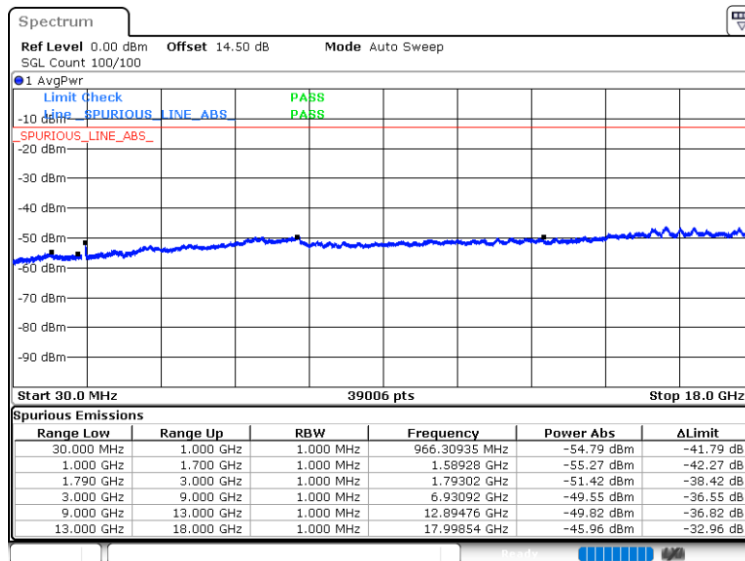
Date: 26.DEC.2023 20:20:01

Middle Channel / QPSK



Date: 26.DEC.2023 20:21:10

Highest Channel / QPSK

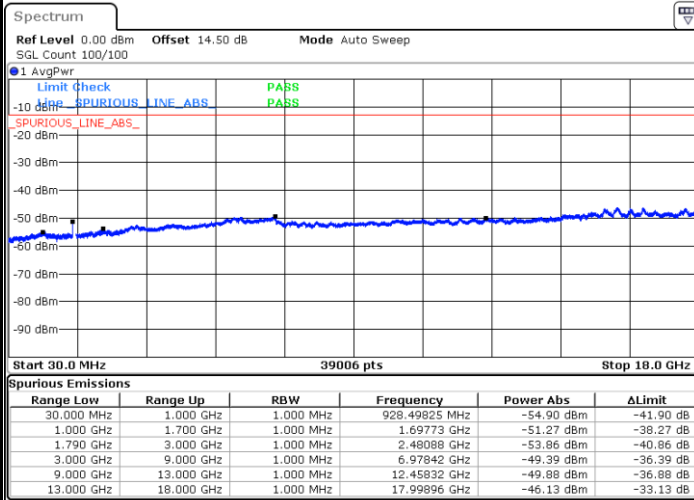


Date: 26.DEC.2023 20:26:03



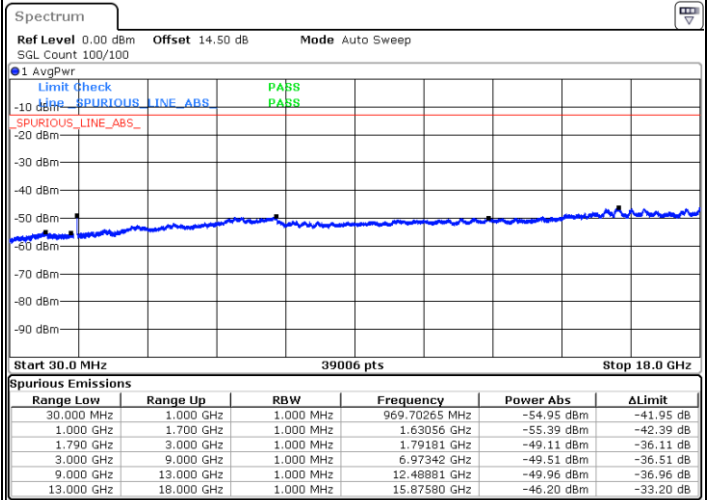
LTE Band 66 / 15MHz

Lowest Channel / QPSK



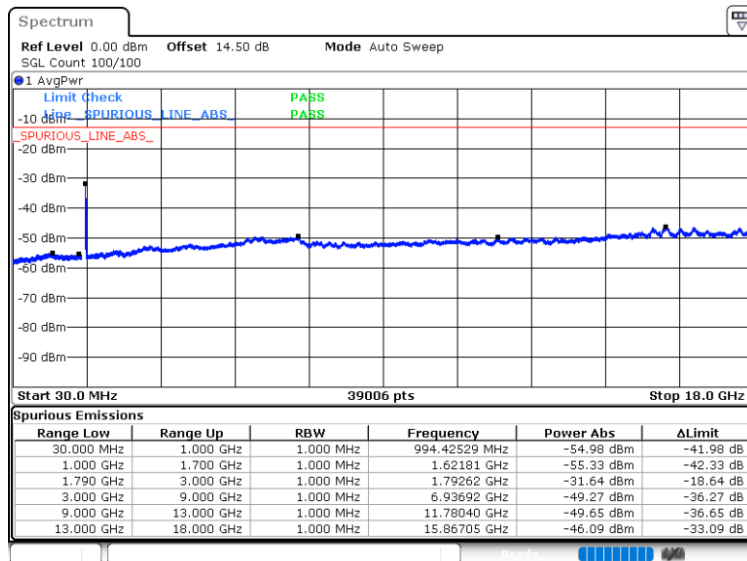
Date: 26.DEC.2023 20:31:01

Middle Channel / QPSK



Date: 26.DEC.2023 20:32:11

Highest Channel / QPSK

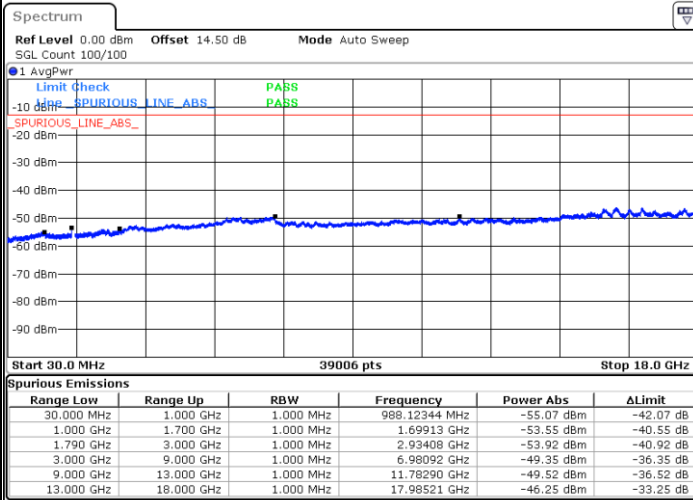


Date: 26.DEC.2023 20:37:03



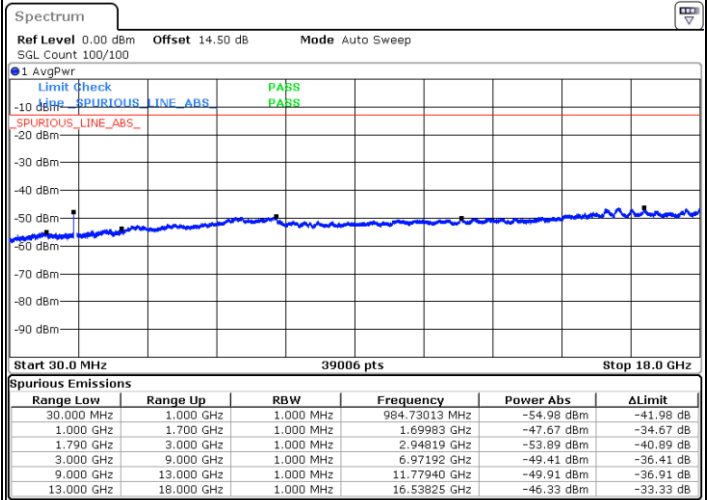
LTE Band 66 / 20MHz

Lowest Channel / QPSK



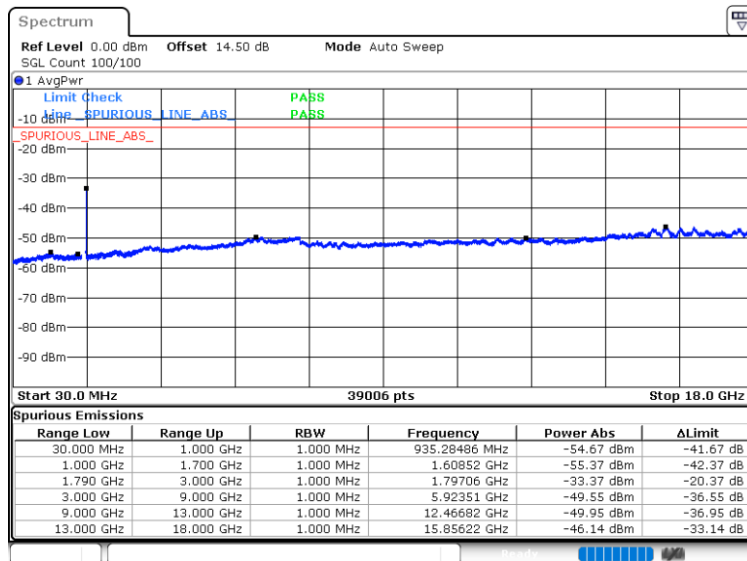
Date: 26.DEC.2023 20:41:58

Middle Channel / QPSK



Date: 26.DEC.2023 20:43:08

Highest Channel / QPSK



Date: 26.DEC.2023 20:49:36

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	End Point	0.0006	

Note:

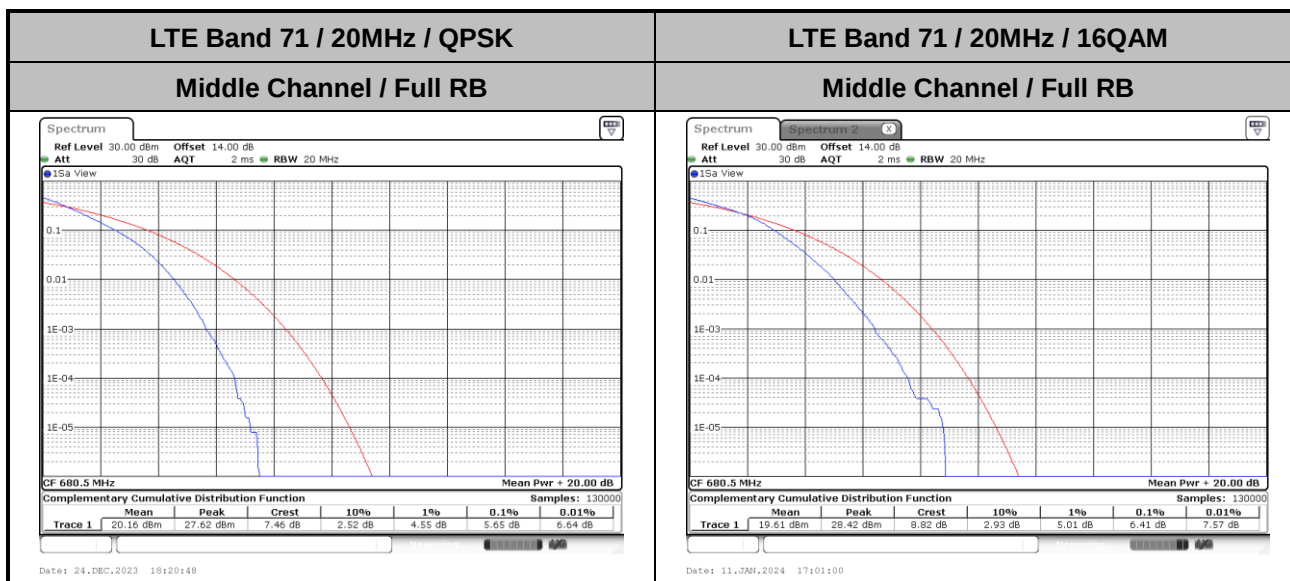
1. Normal Voltage = 3.8 V. ; End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.65	6.41	PASS



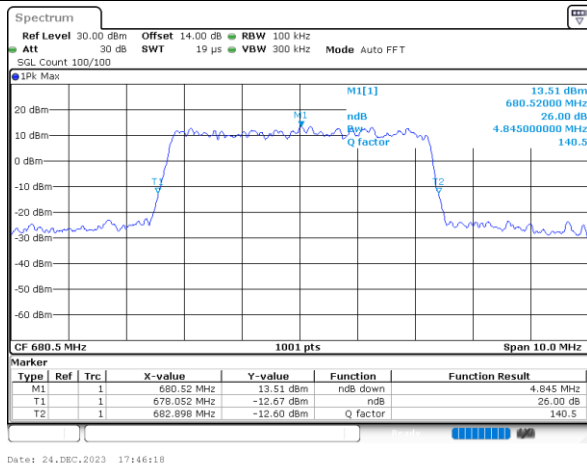


26dB Bandwidth

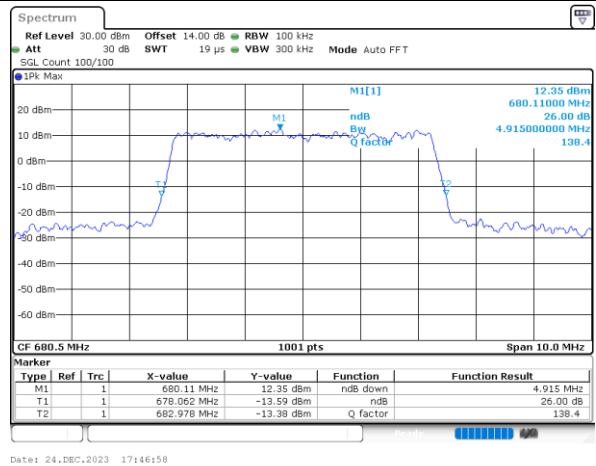
Mode	LTE Band 71 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.85	4.92	10.01	5.51	14.24	5.60	18.86	5.75

LTE Band 71

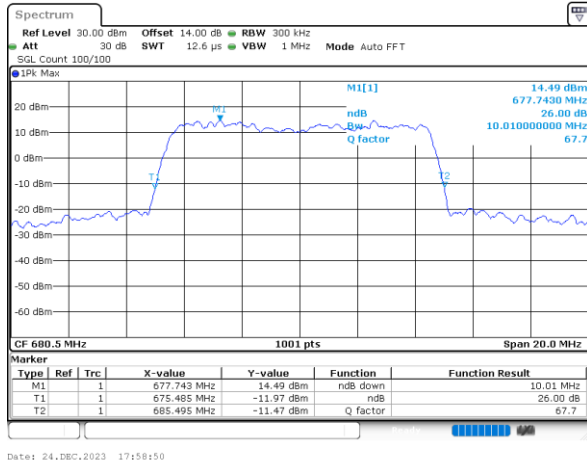
Middle Channel / 5MHz / QPSK



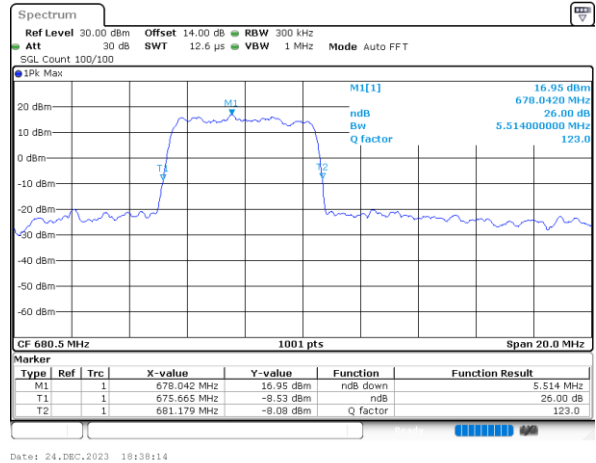
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



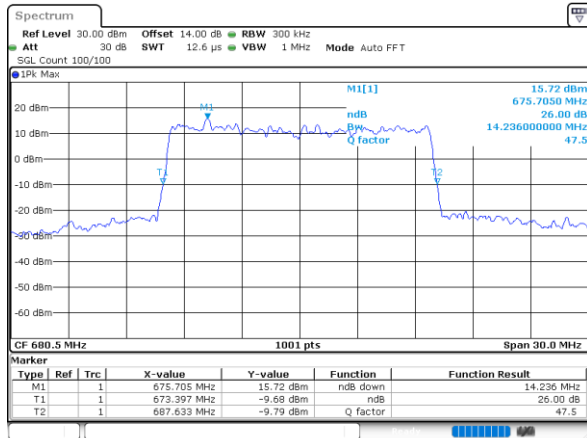
Middle Channel / 10MHz / 16QAM



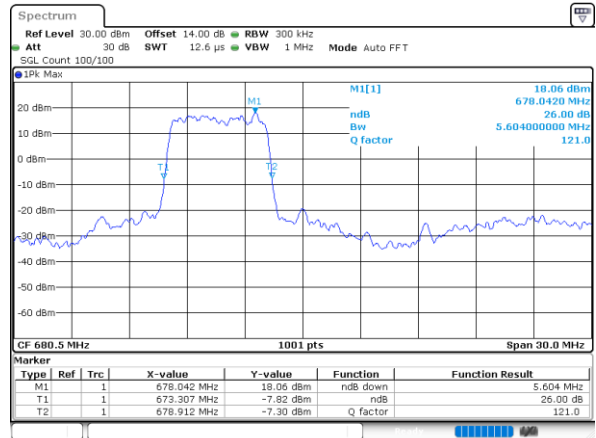


LTE Band 71

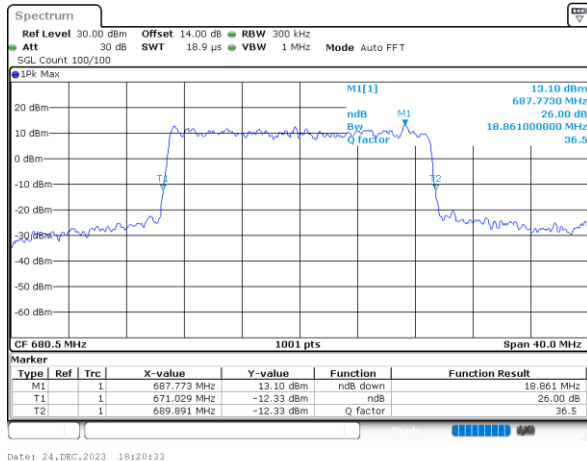
Middle Channel / 15MHz / QPSK



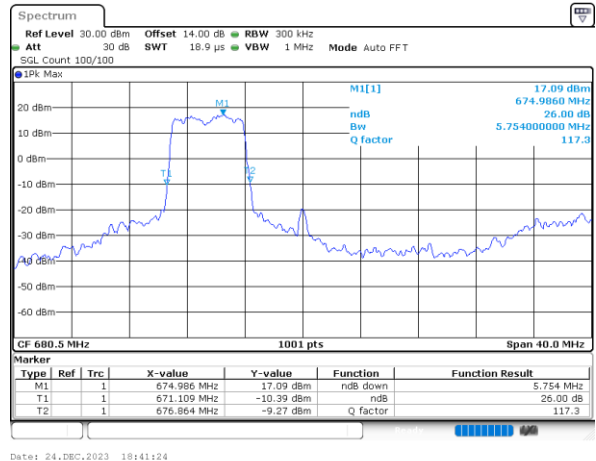
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



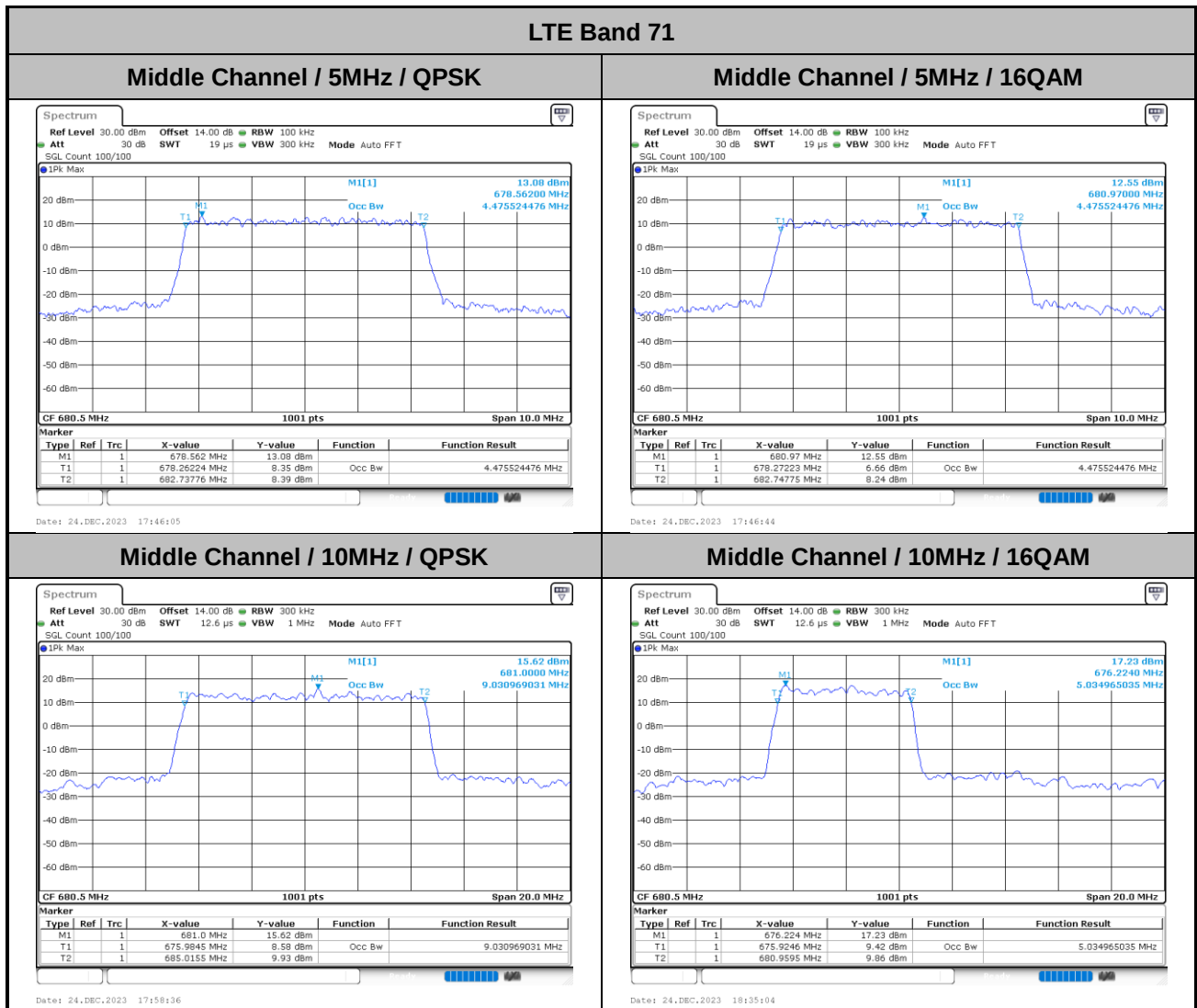
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

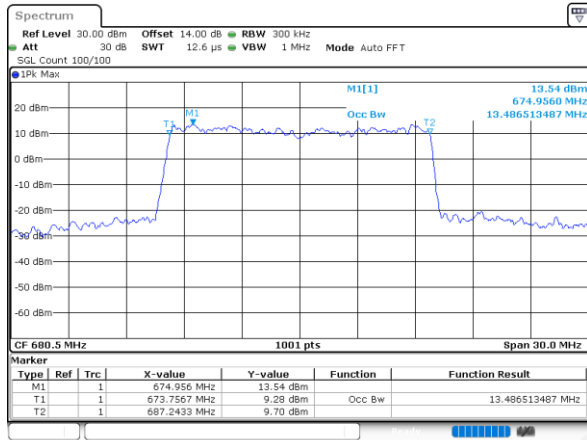
Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.48	9.03	5.03	13.49	5.00	17.86	5.00



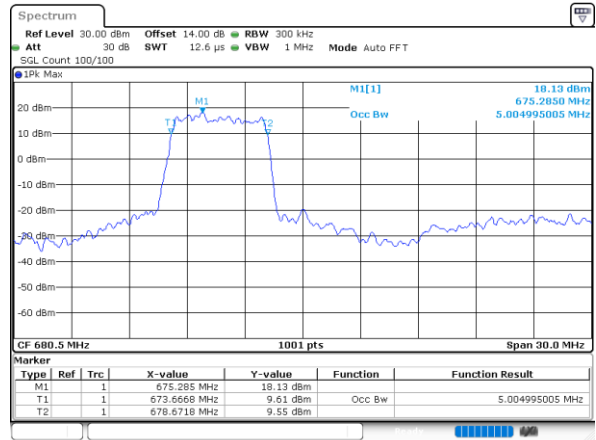


LTE Band 71

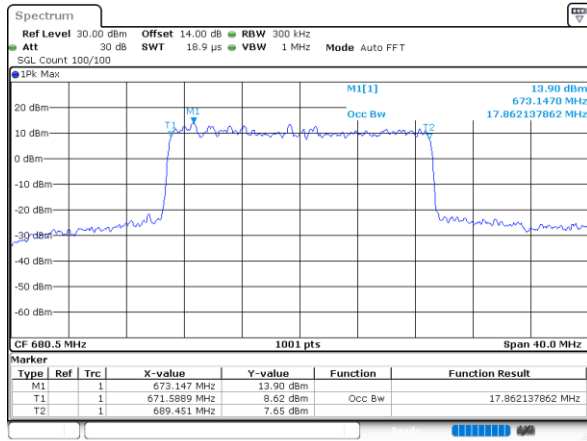
Middle Channel / 15MHz / QPSK



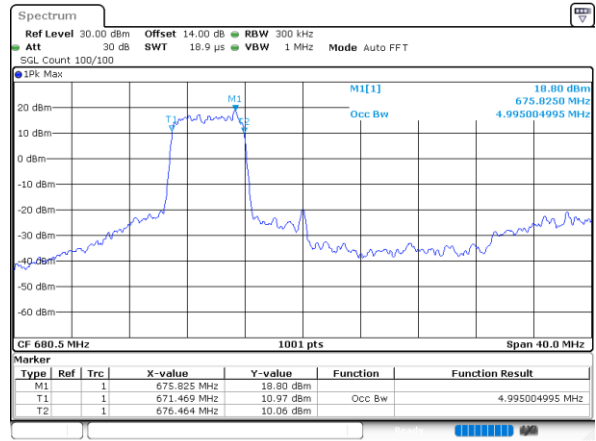
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

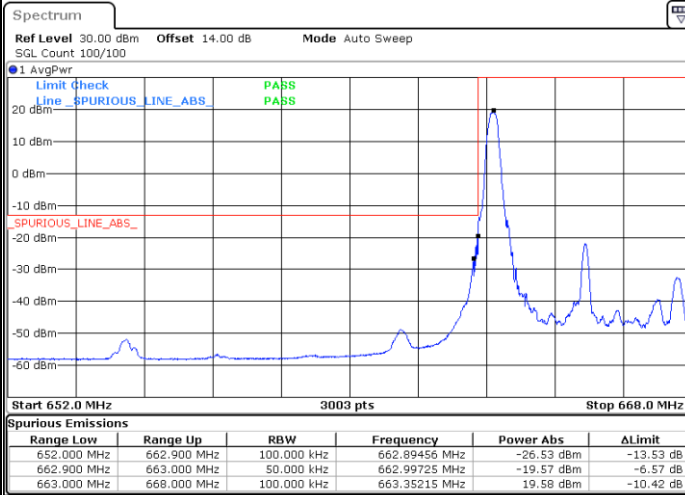




Conducted Band Edge

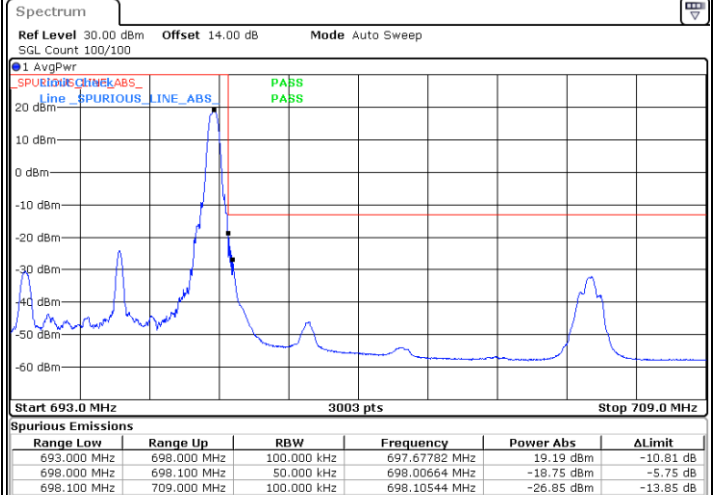
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



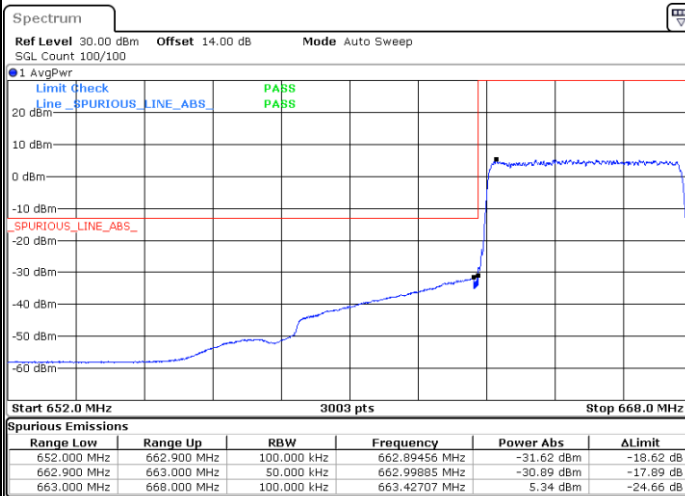
Date: 24.DEC.2023 17:40:19

Highest Band Edge / 1 RB



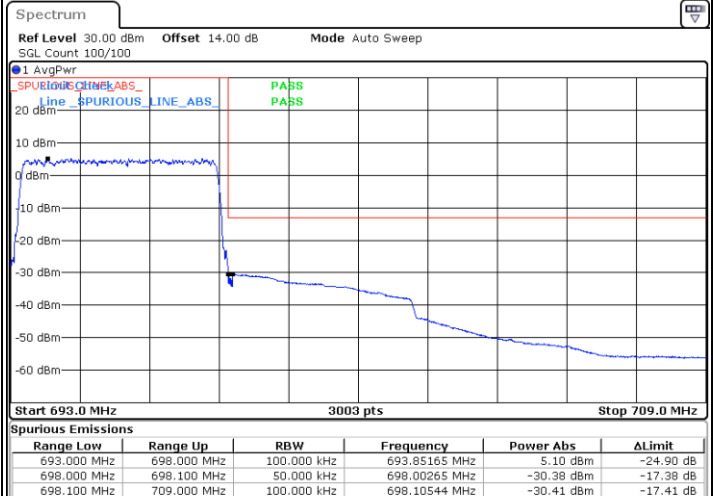
Date: 24.DEC.2023 17:47:57

Lowest Band Edge / Full RB



Date: 24.DEC.2023 17:42:20

Highest Band Edge / Full RB

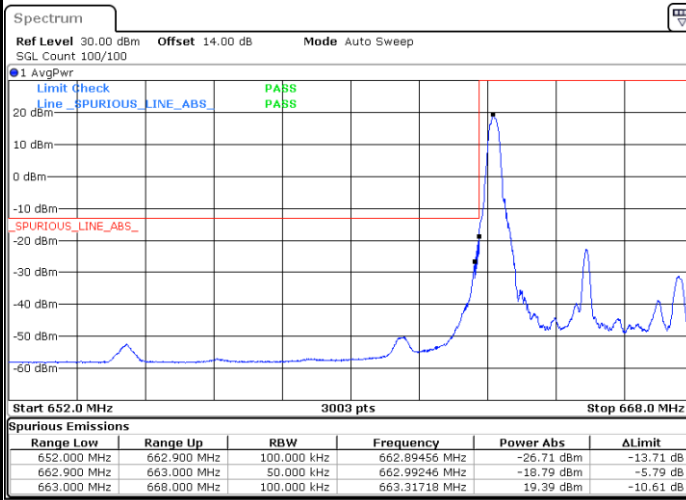


Date: 24.DEC.2023 17:49:58

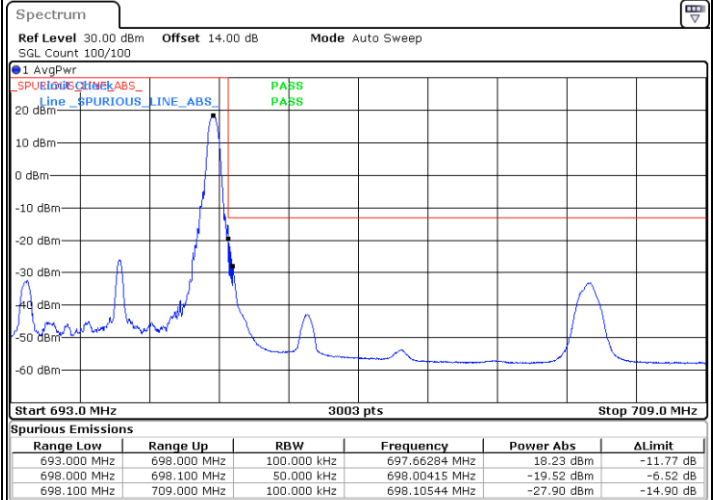


LTE Band 71 / 5MHz / 16QAM

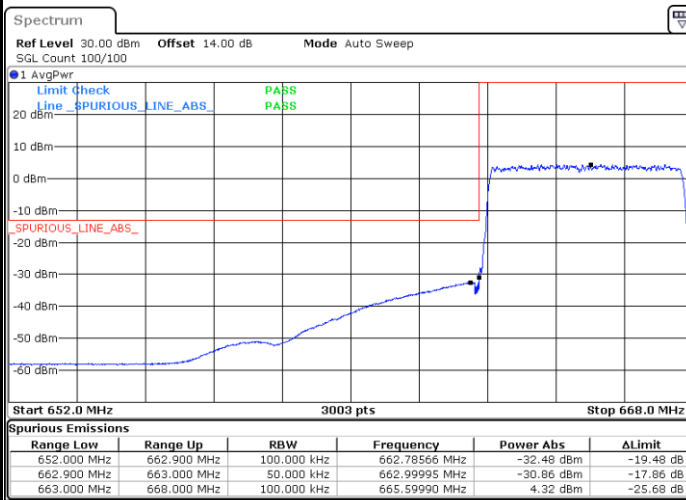
Lowest Band Edge / 1RB



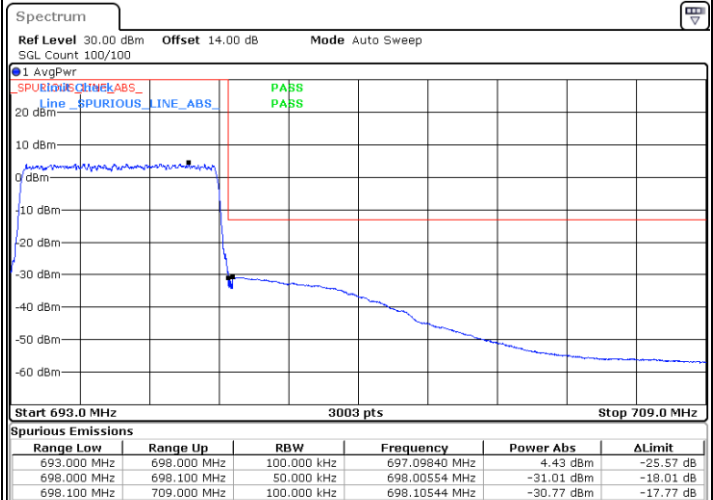
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



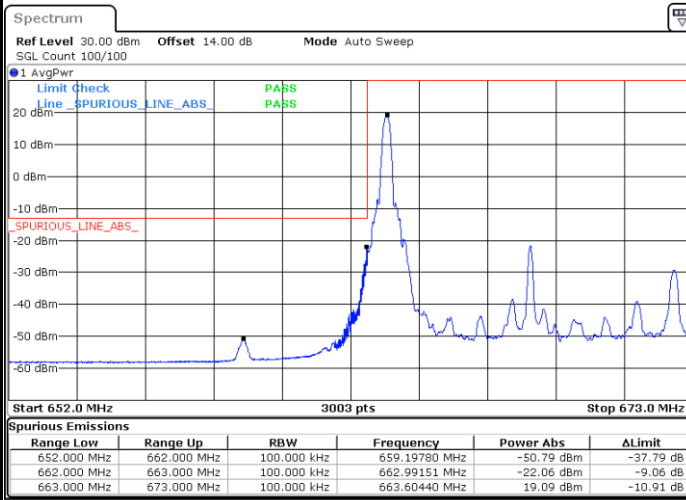
Highest Band Edge / Full RB



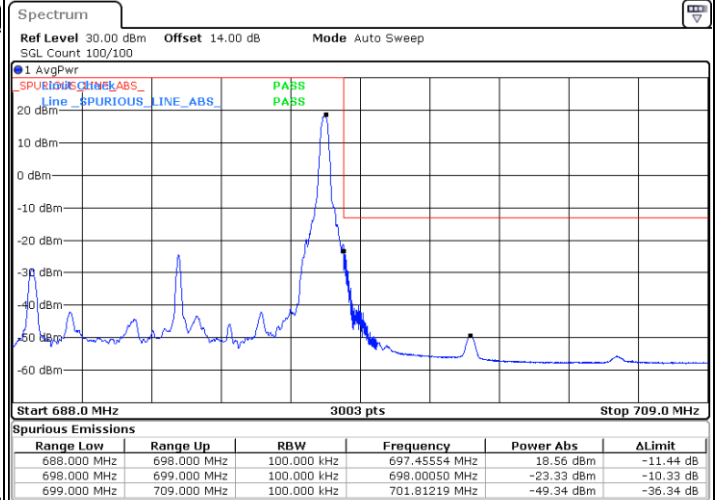


LTE Band 71 / 10MHz / QPSK

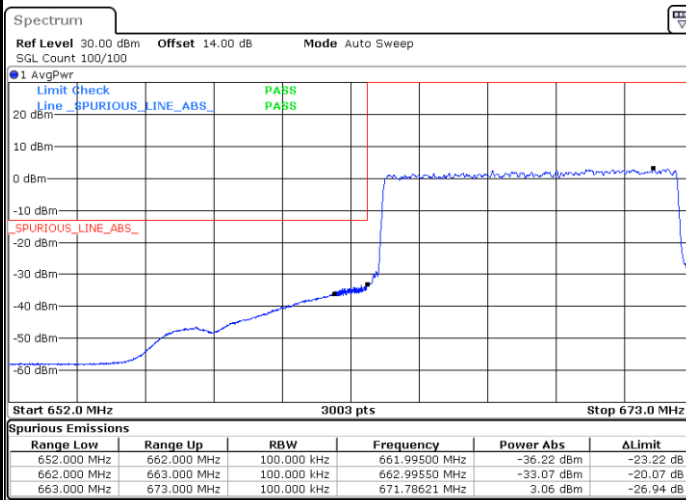
Lowest Band Edge / 1 RB



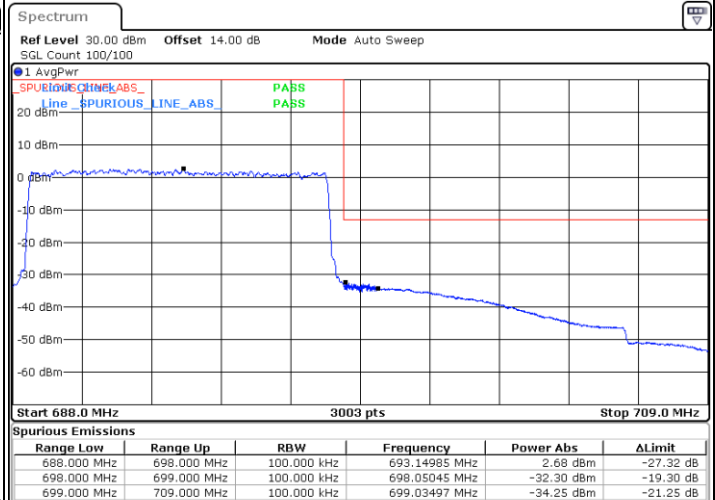
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



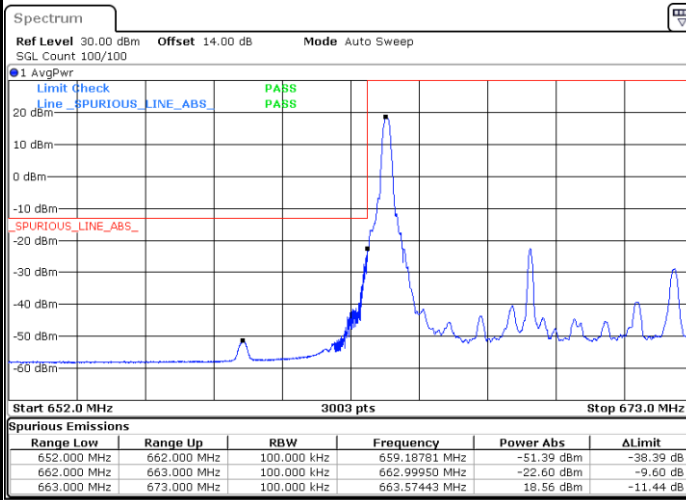
Highest Band Edge / Full RB



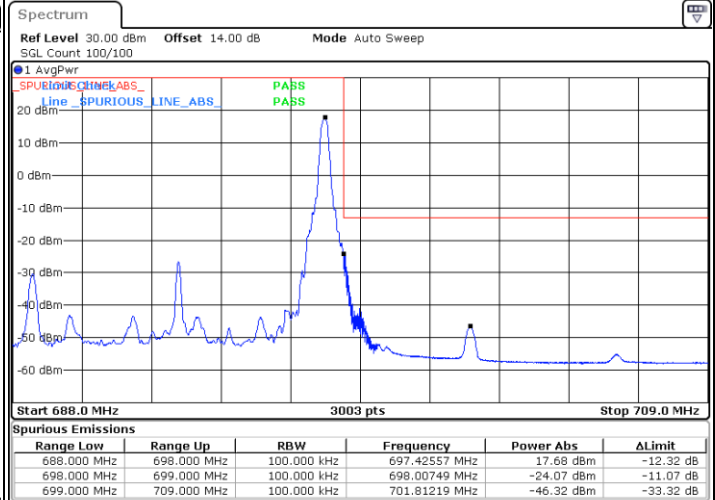


LTE Band 71 / 10MHz / 16QAM

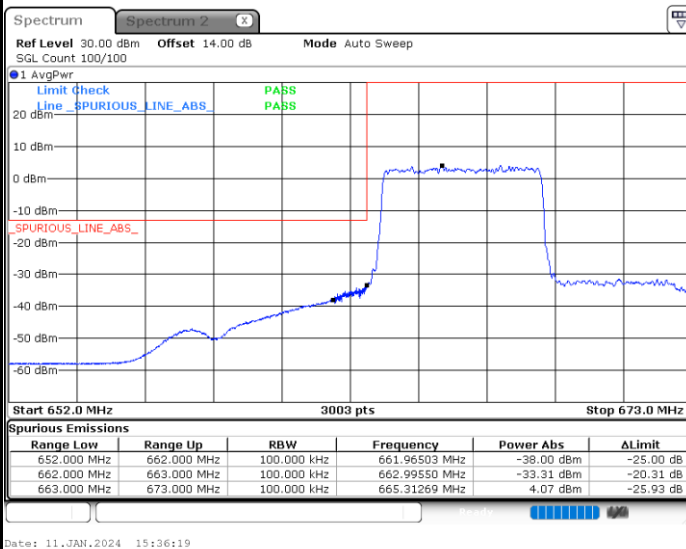
Lowest Band Edge / 1RB



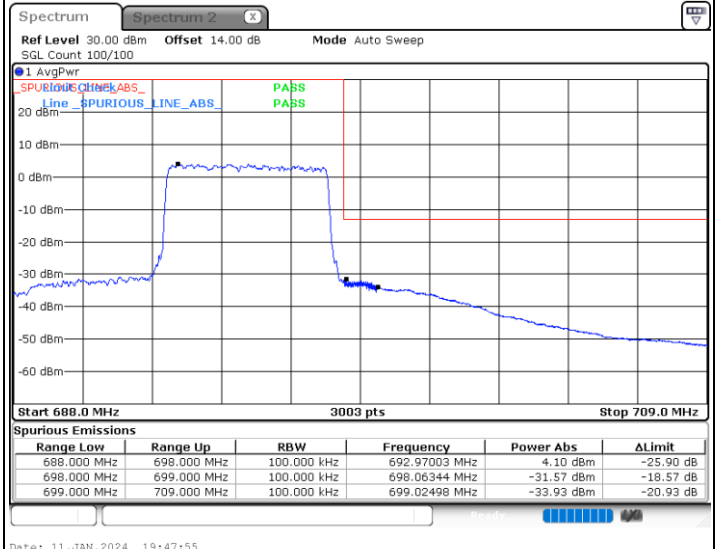
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



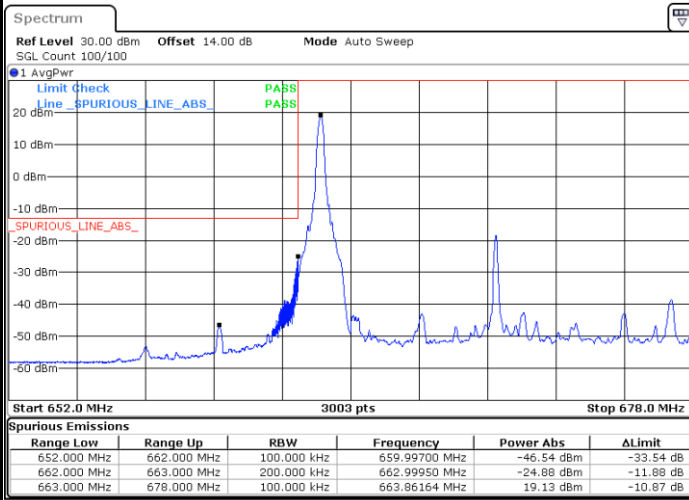
Highest Band Edge / Full RB



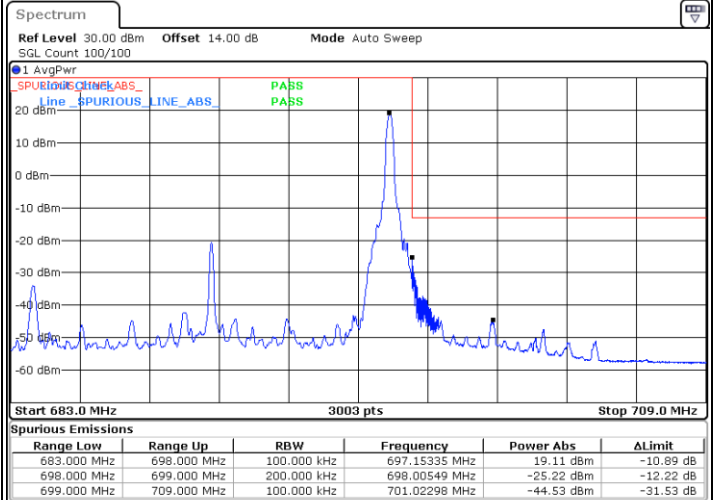


LTE Band 71 / 15MHz / QPSK

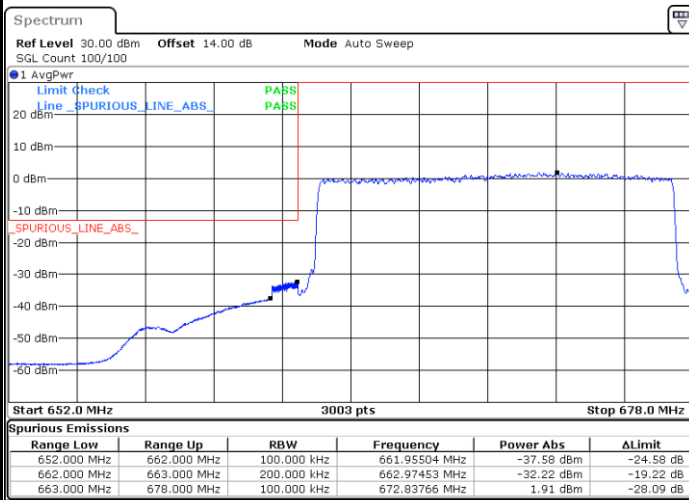
Lowest Band Edge / 1 RB



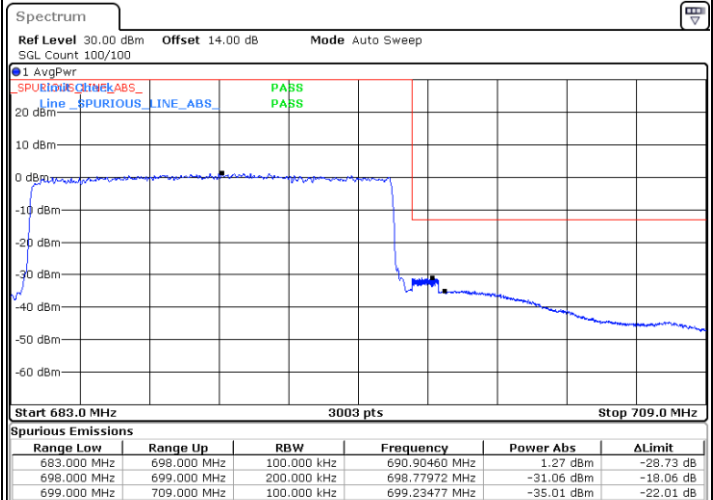
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



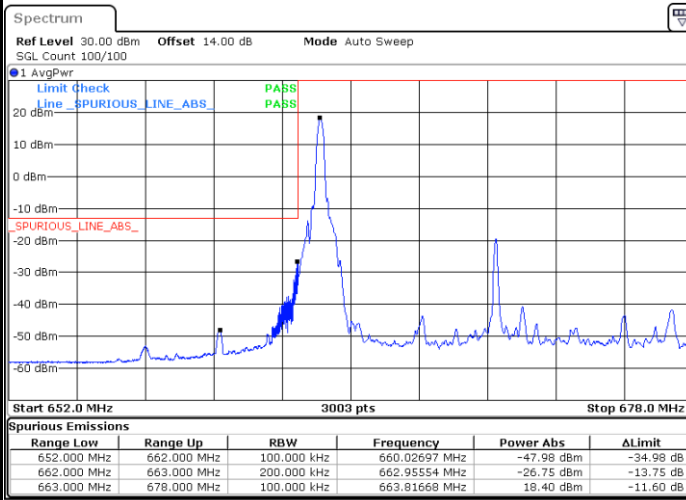
Highest Band Edge / Full RB



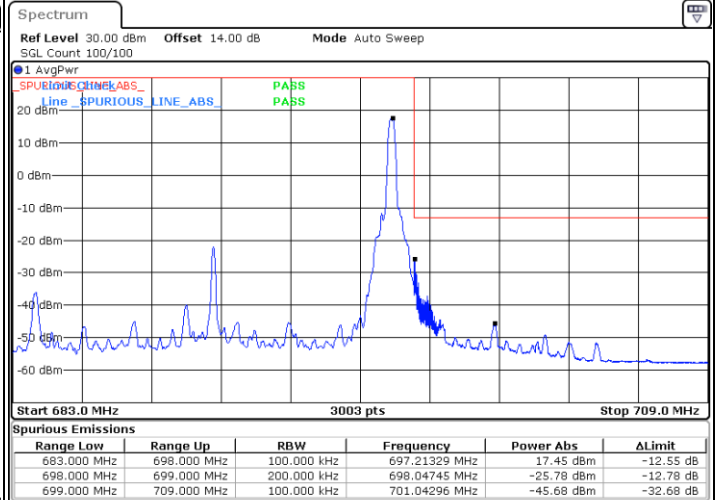


LTE Band 71 / 15MHz / 16QAM

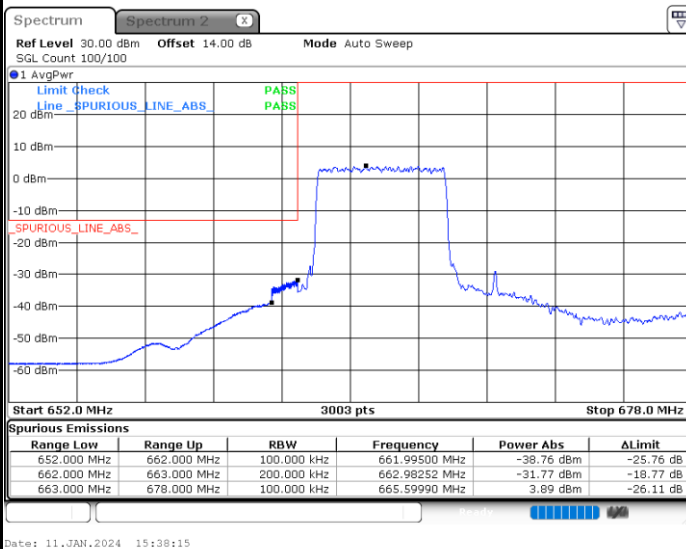
Lowest Band Edge / 1RB



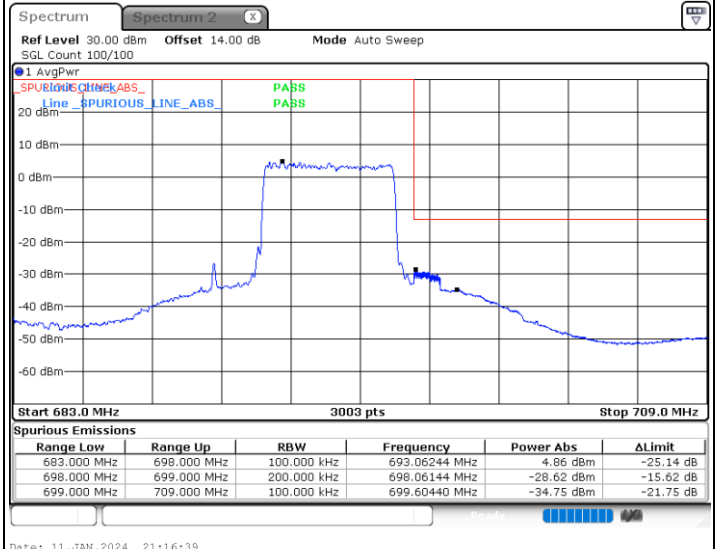
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



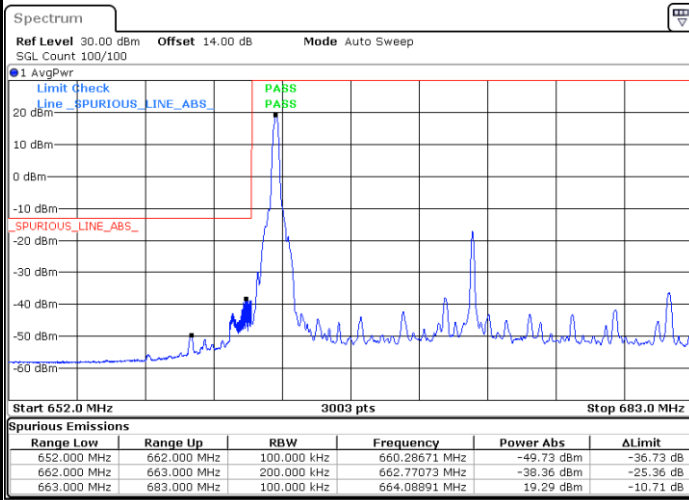
Highest Band Edge / Full RB



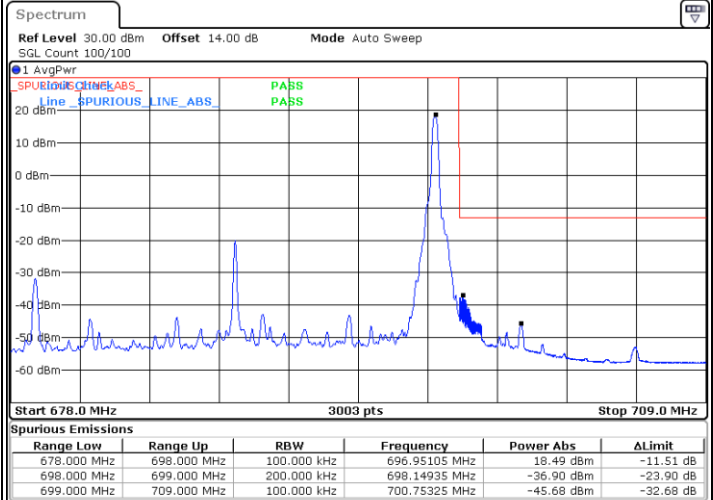


LTE Band 71 / 20MHz / QPSK

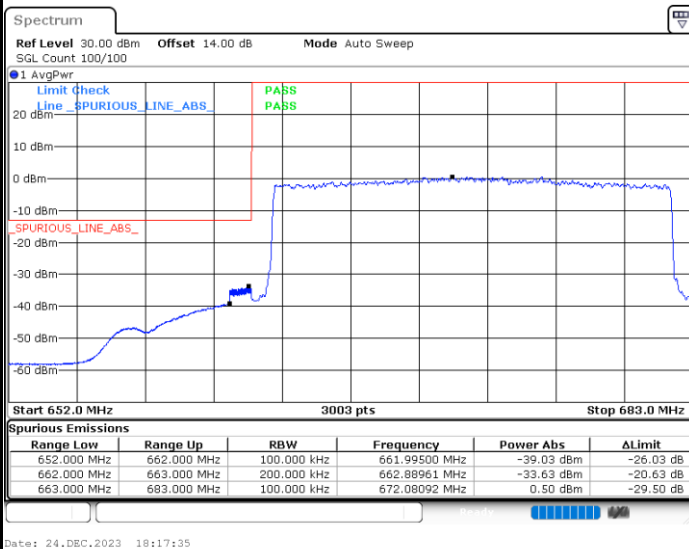
Lowest Band Edge / 1 RB



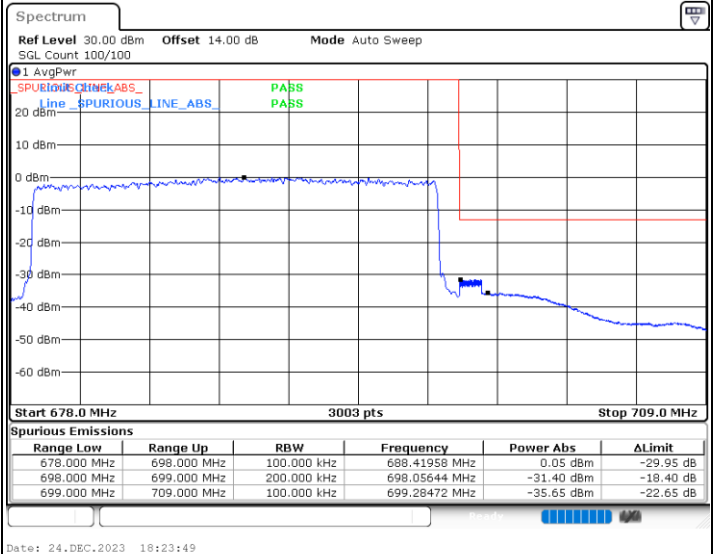
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



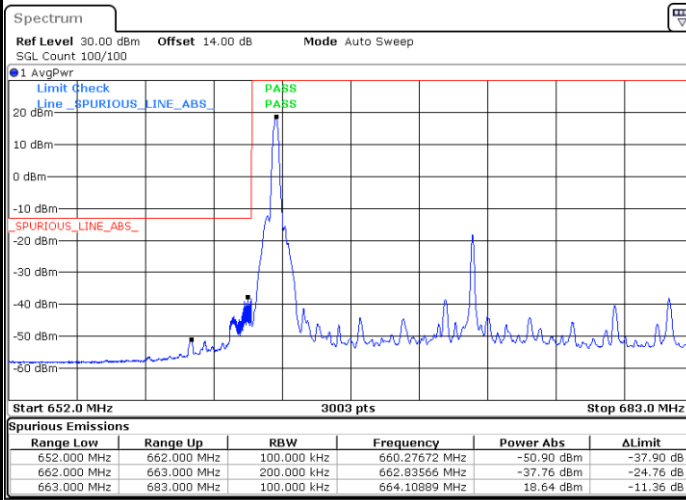
Highest Band Edge / Full RB



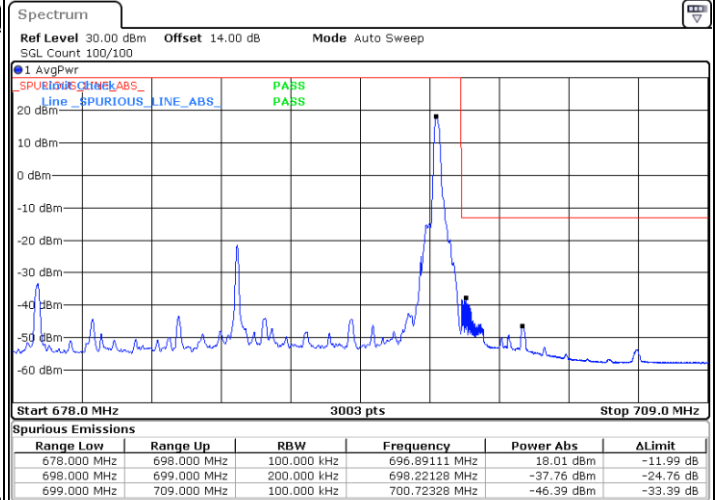


LTE Band 71 / 20MHz / 16QAM

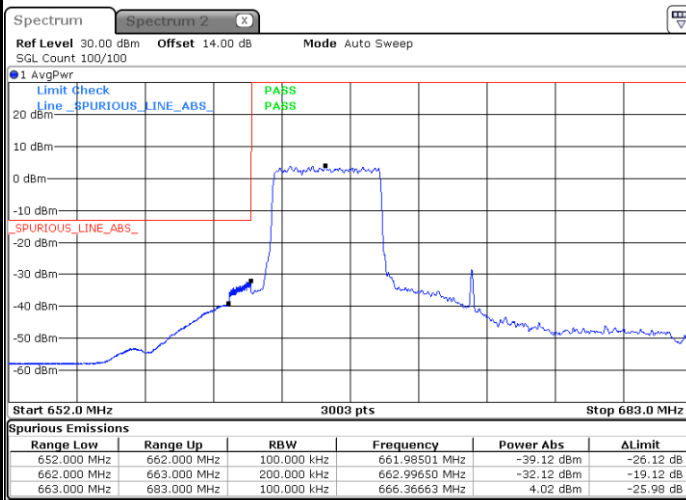
Lowest Band Edge / 1RB



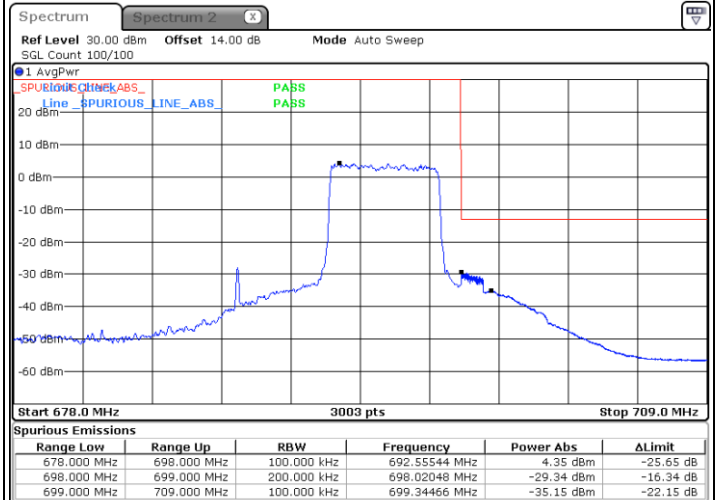
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

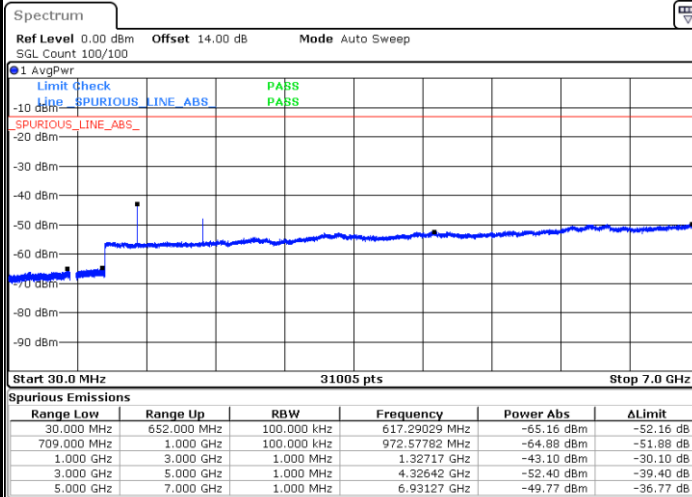




Conducted Spurious Emission

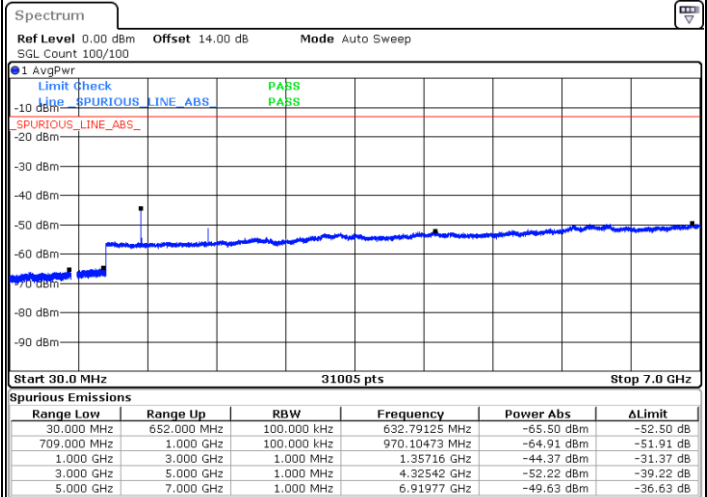
LTE Band 71 / 5MHz

Lowest Channel / QPSK



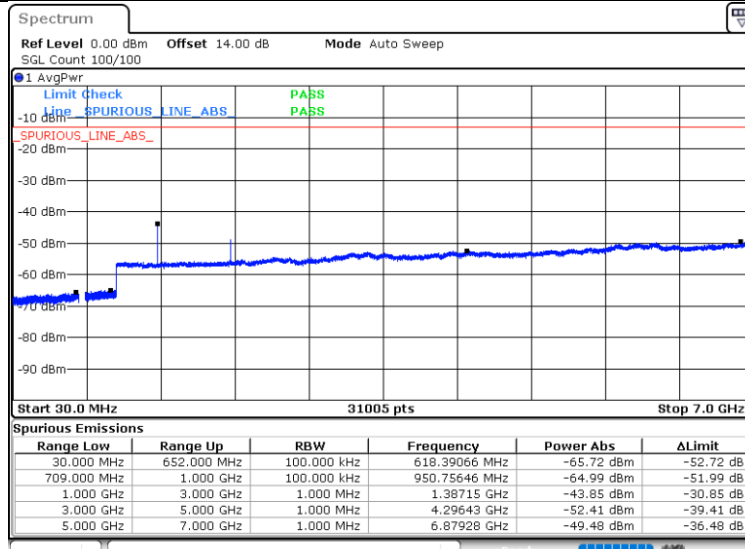
Date: 24.DEC.2023 17:44:30

Middle Channel / QPSK



Date: 24.DEC.2023 17:45:39

Highest Channel / QPSK

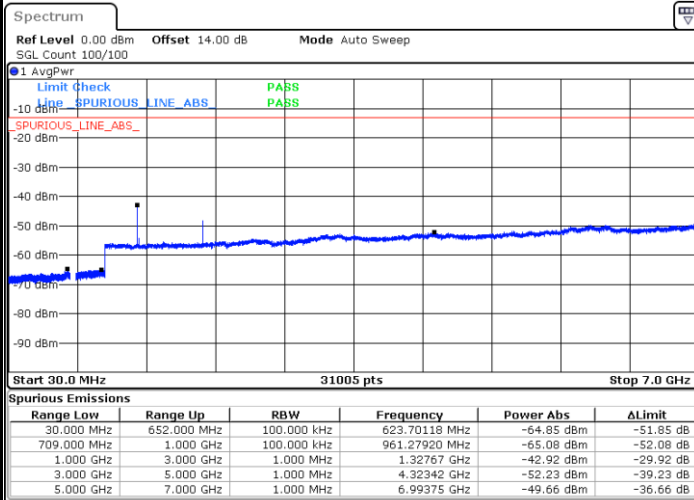


Date: 24.DEC.2023 17:52:08



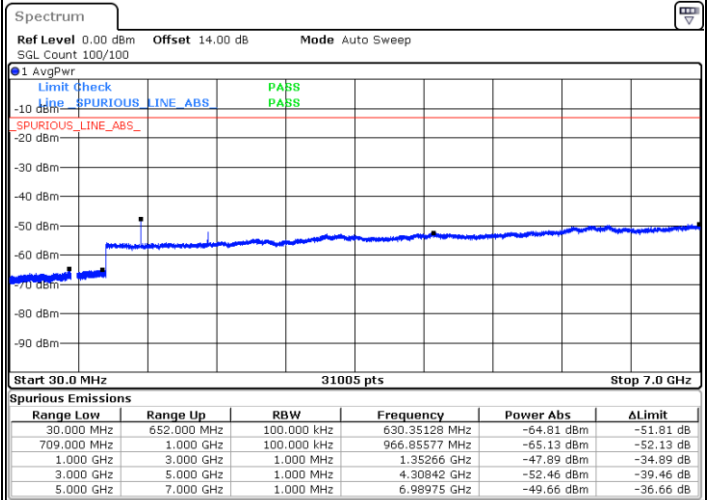
LTE Band 71 / 10MHz

Lowest Channel / QPSK



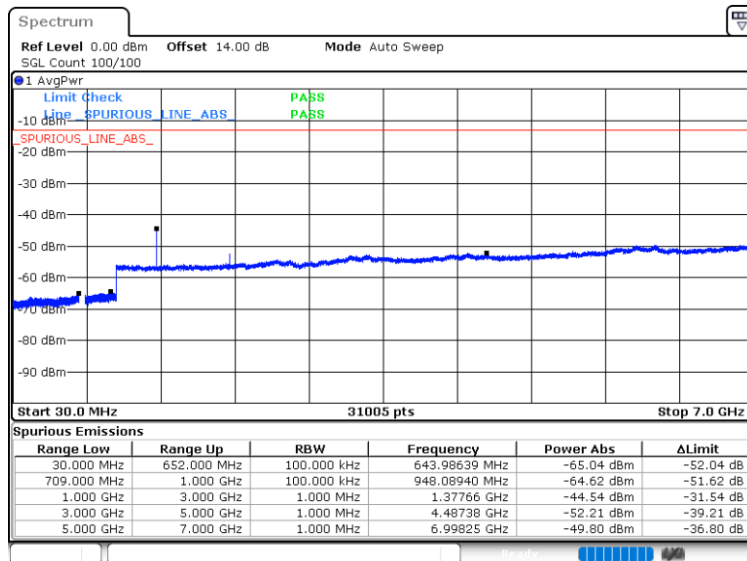
Date: 24.DEC.2023 17:57:02

Middle Channel / QPSK



Date: 24.DEC.2023 17:58:11

Highest Channel / QPSK

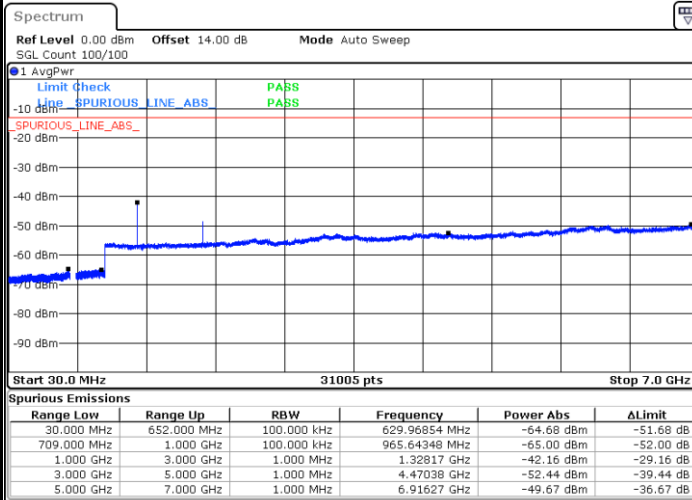


Date: 24.DEC.2023 18:03:00



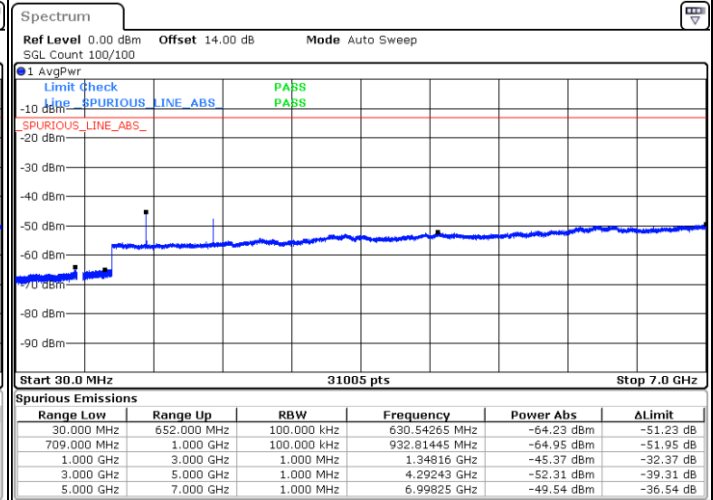
LTE Band 71 / 15MHz

Lowest Channel / QPSK



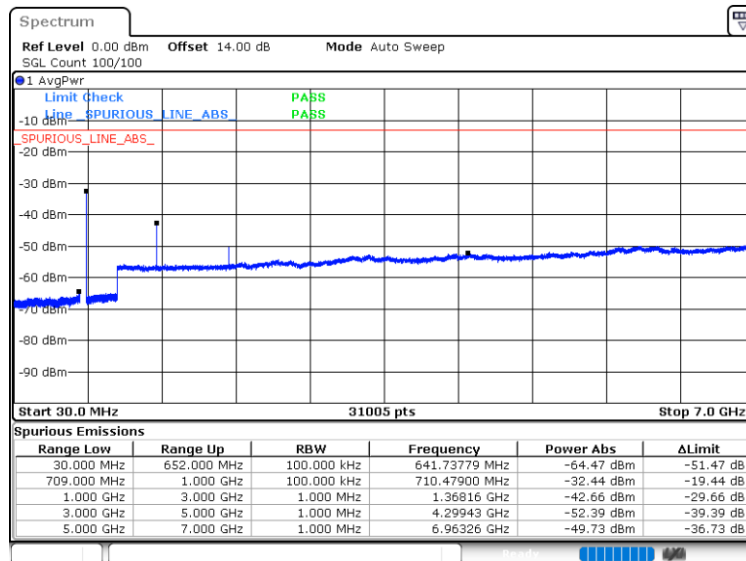
Date: 24.DEC.2023 18:07:53

Middle Channel / QPSK



Date: 24.DEC.2023 18:09:02

Highest Channel / QPSK

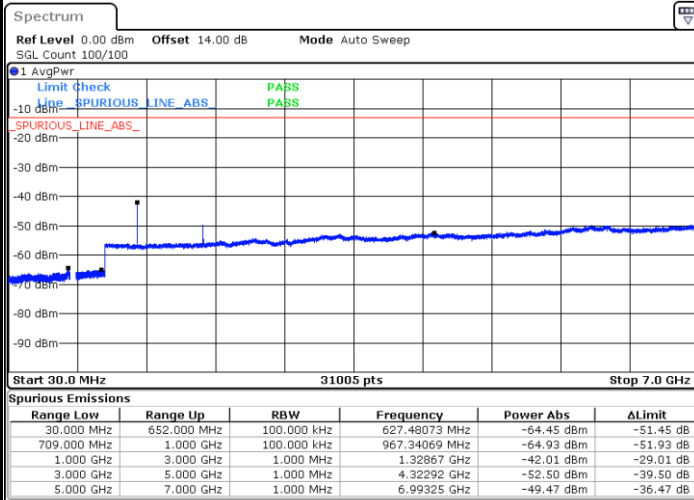


Date: 24.DEC.2023 18:13:51



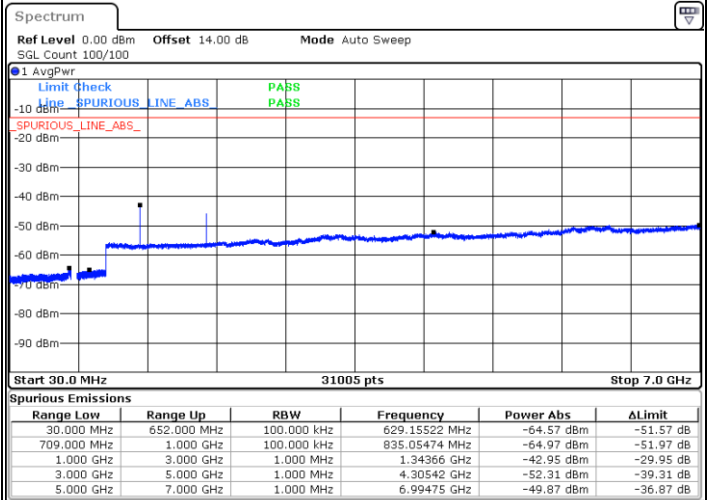
LTE Band 71 / 20MHz

Lowest Channel / QPSK



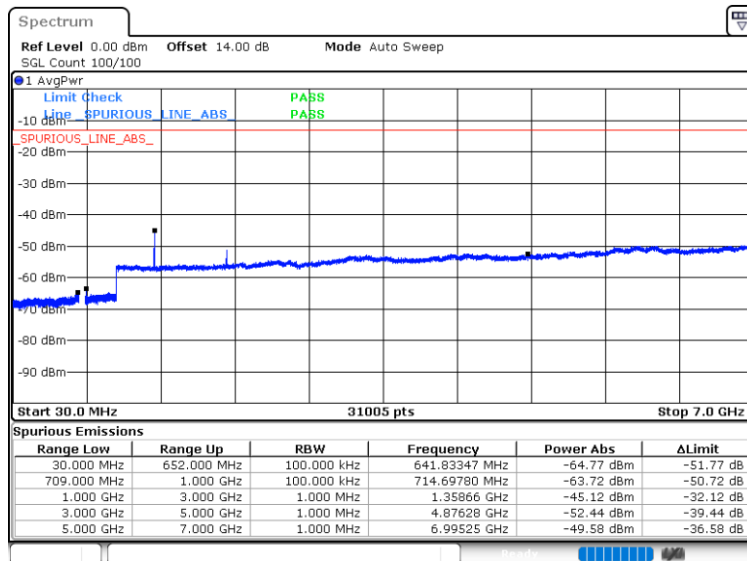
Date: 24.DEC.2023 18:18:45

Middle Channel / QPSK



Date: 24.DEC.2023 18:19:54

Highest Channel / QPSK



Date: 24.DEC.2023 18:24:58

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	0.0014	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	End Point	0.0010	

Note:

1. Normal Voltage = 3.8 V. ; End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 2 / 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	3742.18	-48.09	-13	-35.09	-63.80	-54.84	5.85	12.60	H
	5613.27	-57.56	-13	-44.56	-76.32	-63.36	7.30	13.10	H
	7484.36	-55.05	-13	-42.05	-79.94	-58.20	8.35	11.50	H
	3742.18	-43.25	-13	-30.25	-58.58	-50.00	5.85	12.60	V
	5613.27	-54.81	-13	-41.81	-73.05	-60.61	7.30	13.10	V
	7484.36	-51.22	-13	-38.22	-76.5	-54.37	8.35	11.50	V

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

LTE Band 5 / 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	1664.18	-50.61	-13	-37.61	-58.03	-53.86	4.00	9.40	H
	2496.27	-63.27	-13	-50.27	-74.73	-66.84	4.88	10.60	H
	3328.36	-63.05	-13	-50.05	-77.22	-67.98	5.52	12.60	H
	1664.18	-45.30	-13	-32.30	-52.86	-48.55	4.00	9.40	V
	2496.27	-58.31	-13	-45.31	-69.86	-61.88	4.88	10.60	V
	3328.36	-55.19	-13	-42.19	-69.34	-60.12	5.52	12.60	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	-49.32	-13	-36.32	-57.82	-52.57	4.00	9.40	H
	2109	-60.53	-13	-47.53	-71.33	-64.10	4.88	10.60	H
	2812	-63.62	-13	-50.62	-76.79	-68.55	5.52	12.60	H
	1406	-43.32	-13	-30.32	-51.71	-46.57	4.00	9.40	V
	2109	-57.68	-13	-44.68	-68.71	-61.25	4.88	10.60	V
	2812	-61.11	-13	-48.11	-74.21	-66.04	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	-57.19	-42.15	-15.04	-66.40	-60.44	4.00	9.40	H
	2339.25	-61.81	-13	-48.81	-73.84	-65.38	4.88	10.60	H
	3119	-61.24	-13	-48.24	-76.40	-66.17	5.52	12.60	H
	1559.5	-54.94	-42.15	-12.79	-63.92	-58.19	4.00	9.40	V
	2339.25	-60.07	-13	-47.07	-72.11	-63.64	4.88	10.60	V
	3119	-61.52	-13	-48.52	-76.49	-66.45	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	-62.63	-42.15	-20.48	-71.84	-65.88	4.00	9.40	H
	2339.25	-64.09	-13	-51.09	-76.12	-67.66	4.88	10.60	H
	3119	-61.20	-13	-48.20	-76.36	-66.13	5.52	12.60	H
	1559.5	-60.70	-42.15	-18.55	-69.68	-63.95	4.00	9.40	V
	2339.25	-63.96	-13	-50.96	-76.00	-67.53	4.88	10.60	V
	3119	-61.32	-13	-48.32	-76.29	-66.25	5.52	12.60	V

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

LTE Band 66 / 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	3472	-57.35	-13	-44.35	-71.79	-64.20	5.65	12.50	H
	5208	-61.48	-13	-48.48	-80.61	-67.15	7.13	12.80	H
	6944	-56.88	-13	-43.88	-79.87	-60.28	8.40	11.80	H
	3472	-54.10	-13	-41.10	-68.57	-60.95	5.65	12.50	V
	5208	-61.27	-13	-48.27	-80.01	-66.94	7.13	12.80	V
	6944	-55.31	-13	-42.31	-78.57	-58.71	8.40	11.80	V

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

LTE Band 71 / 20MHz / 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	1343	-40.72	-13	-27.72	-48.30	-43.97	4.00	9.40	H
	2014.5	-64.40	-13	-51.40	-74.21	-67.97	4.88	10.60	H
	2686	-64.35	-13	-51.35	-76.96	-69.28	5.52	12.60	H
	1343	-38.03	-13	-25.03	-45.54	-41.28	4.00	9.40	V
	2014.5	-56.51	-13	-43.51	-66.43	-60.08	4.88	10.60	V
	2686	-64.33	-13	-51.33	-76.82	-69.26	5.52	12.60	V

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