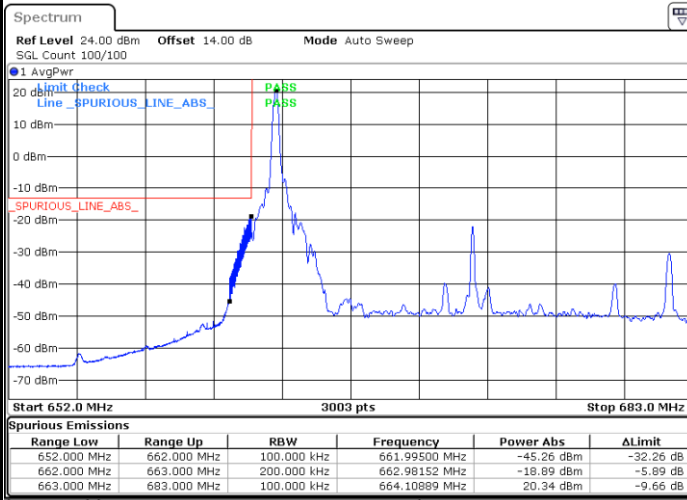




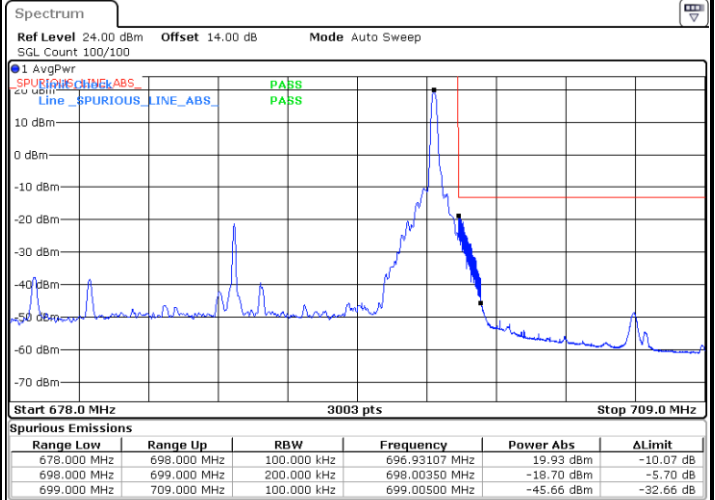
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



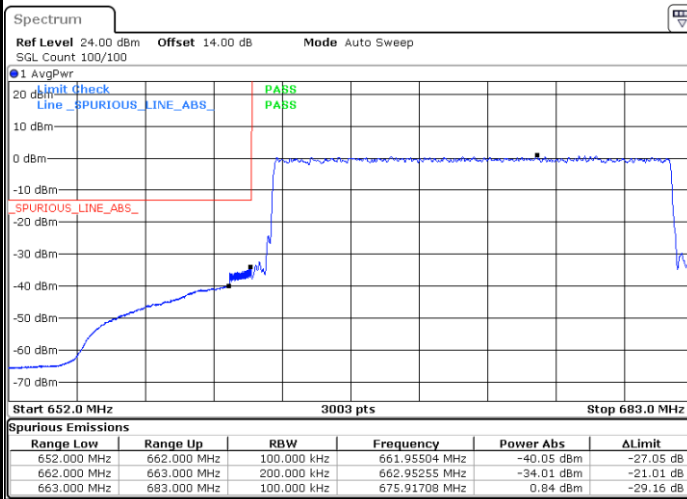
Date: 10.MAY.2023 20:07:55

Highest Band Edge / 1RB



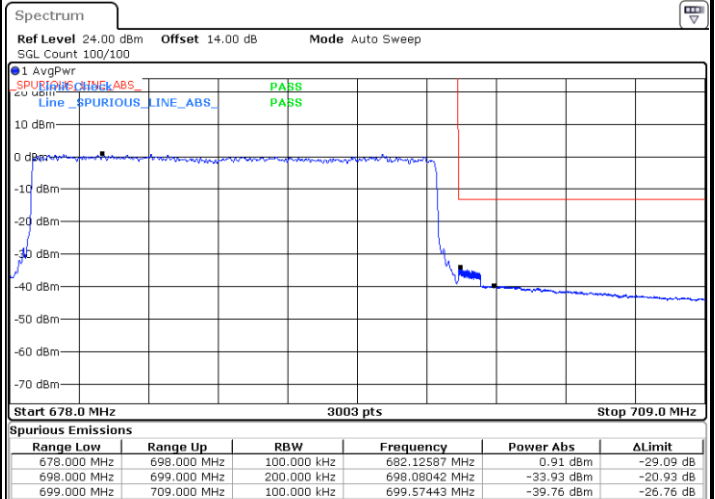
Date: 10.MAY.2023 20:21:37

Lowest Band Edge / Full RB



Date: 10.MAY.2023 20:10:09

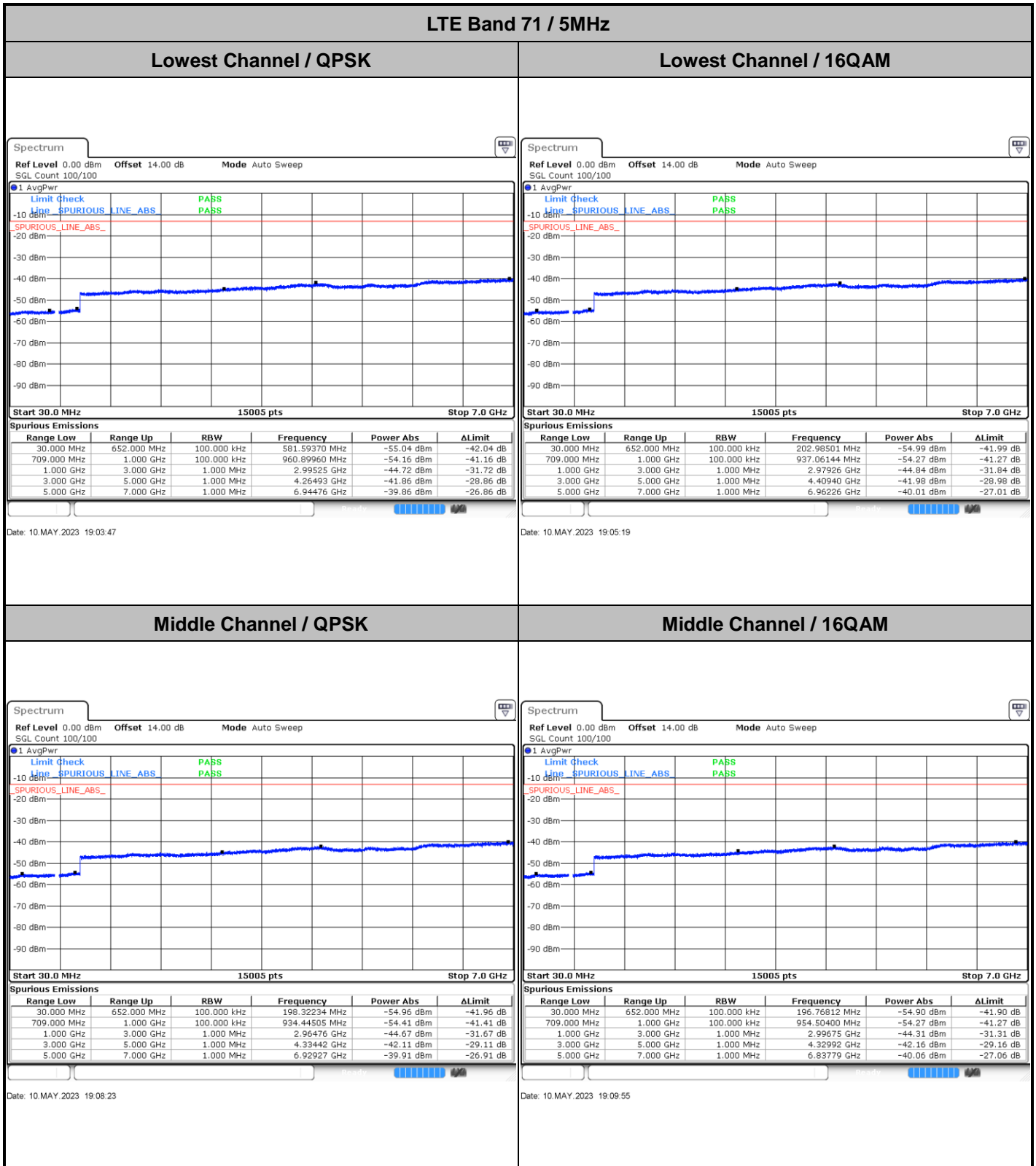
Highest Band Edge / Full RB



Date: 10.MAY.2023 20:22:43



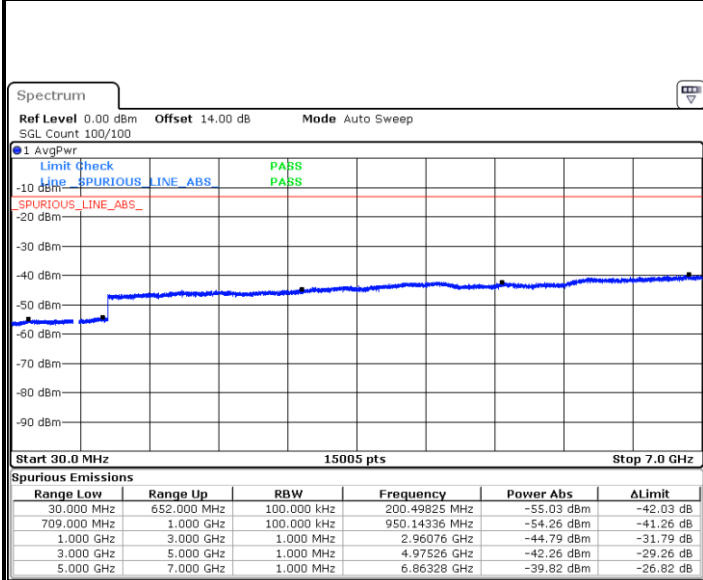
# Conducted Spurious Emission





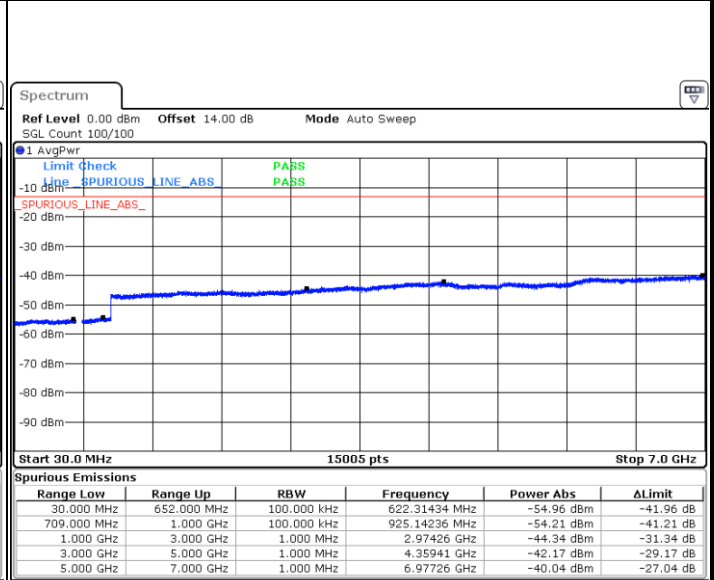
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 10.MAY.2023 19:17:24

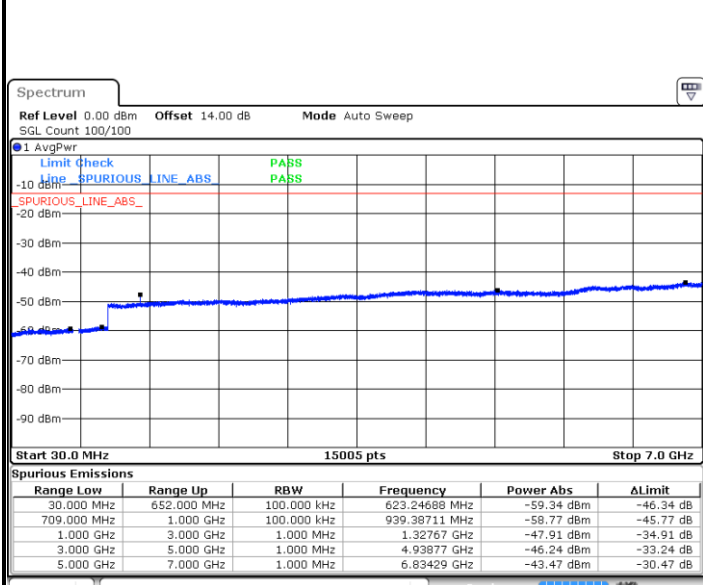
Highest Channel / 16QAM



Date: 10.MAY.2023 19:18:56

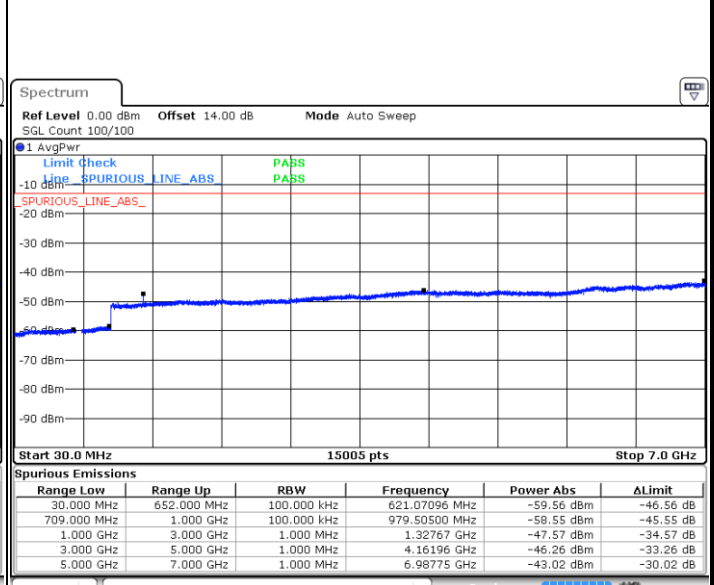
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 10.MAY.2023 19:26:21

Lowest Channel / 16QAM



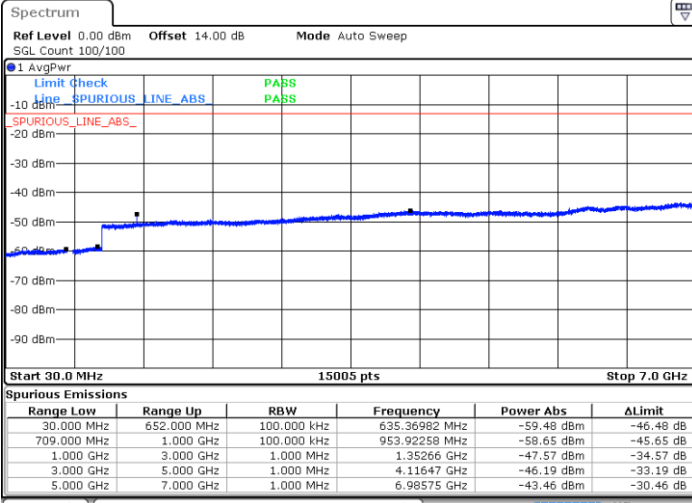
Date: 10.MAY.2023 19:27:52



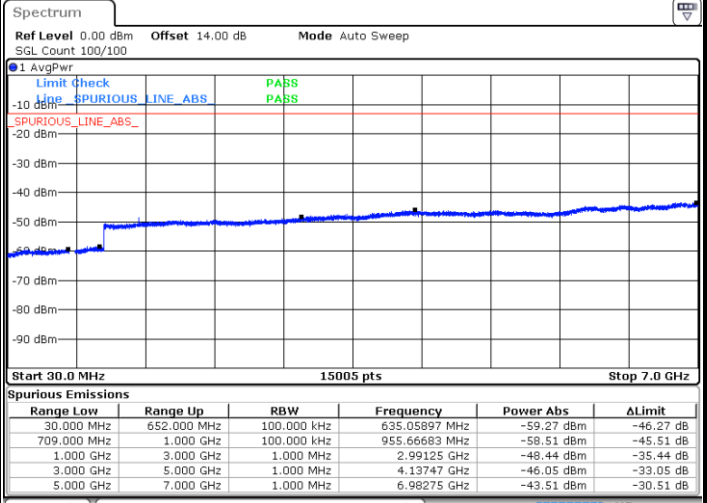
LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



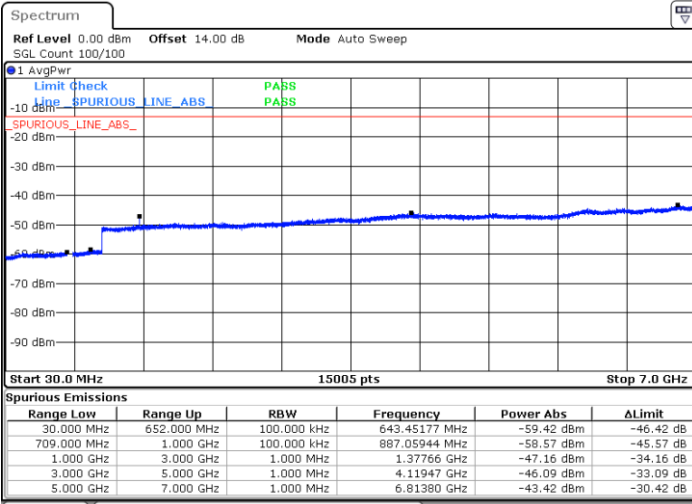
Date: 10.MAY.2023 19:30:57



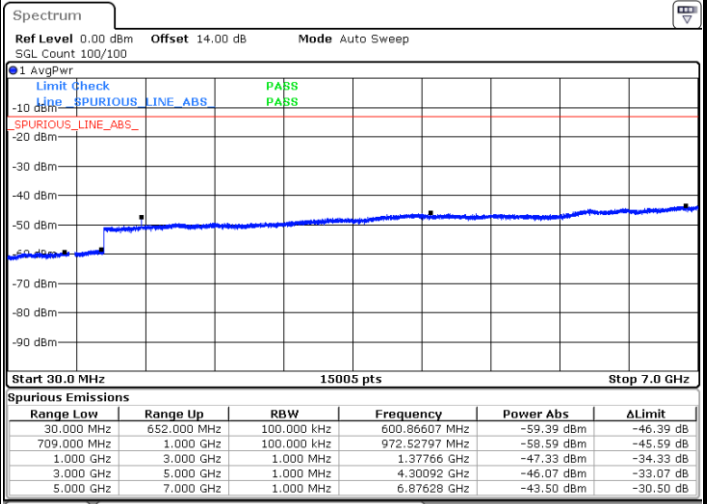
Date: 10.MAY.2023 19:32:29

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.MAY.2023 19:39:56



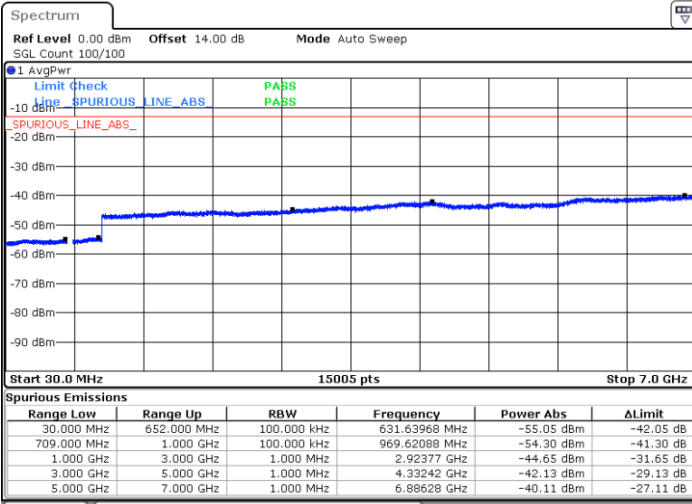
Date: 10.MAY.2023 19:41:28



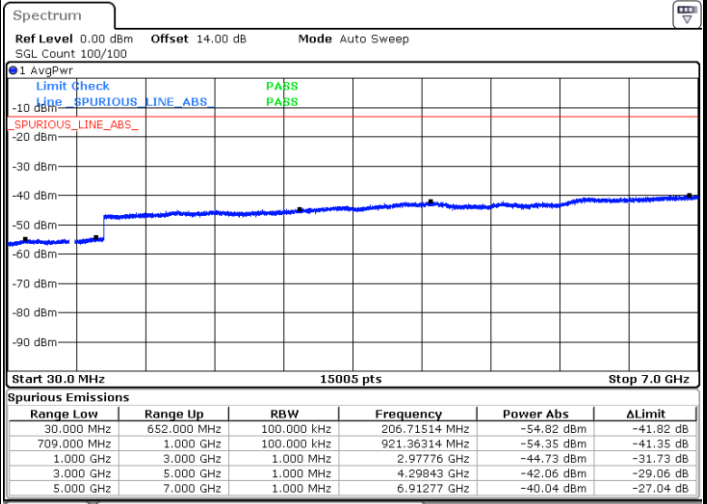
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



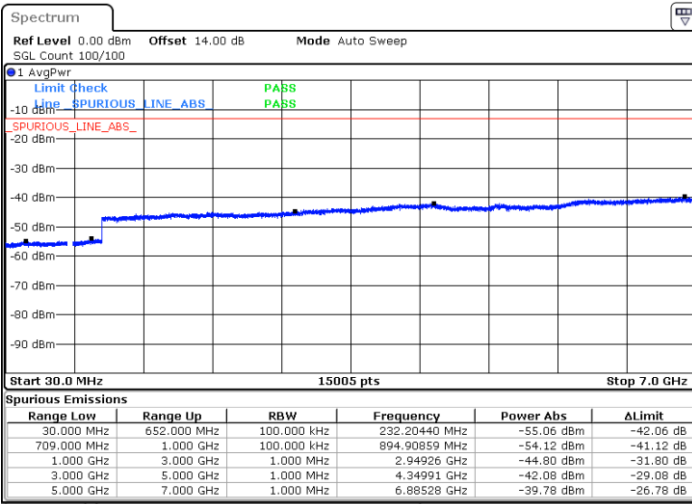
Date: 10.MAY.2023 19:48:59



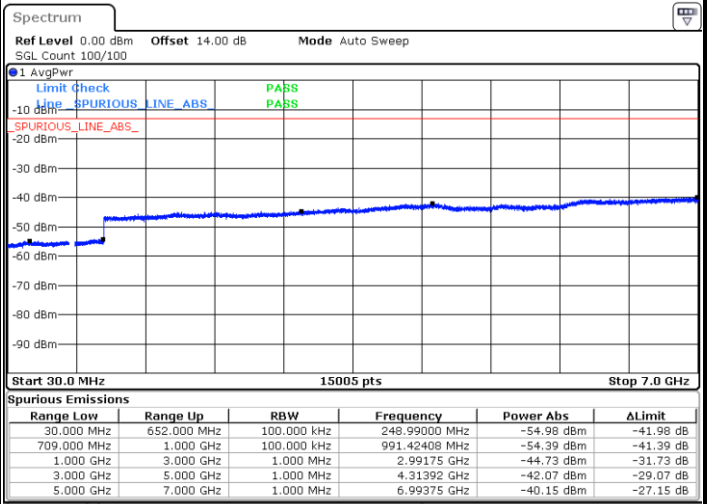
Date: 10.MAY.2023 19:50:31

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 10.MAY.2023 19:53:37

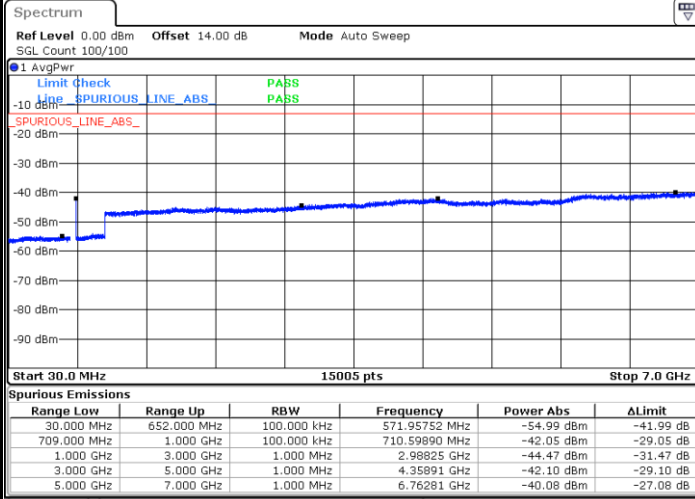


Date: 10.MAY.2023 19:55:10



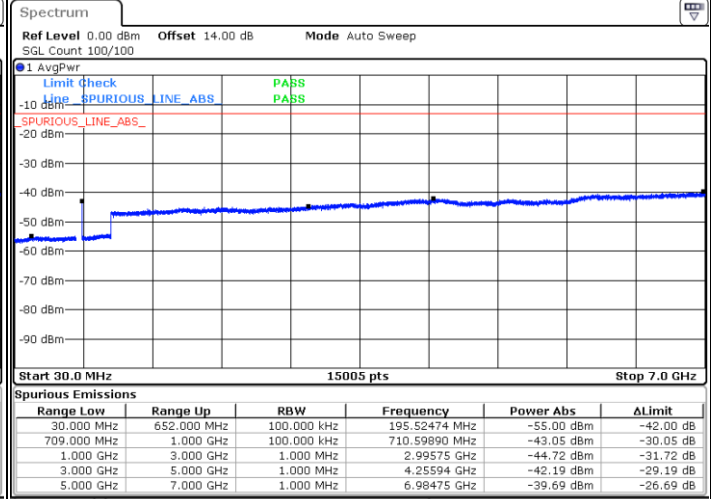
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 10.MAY.2023 20:02:36

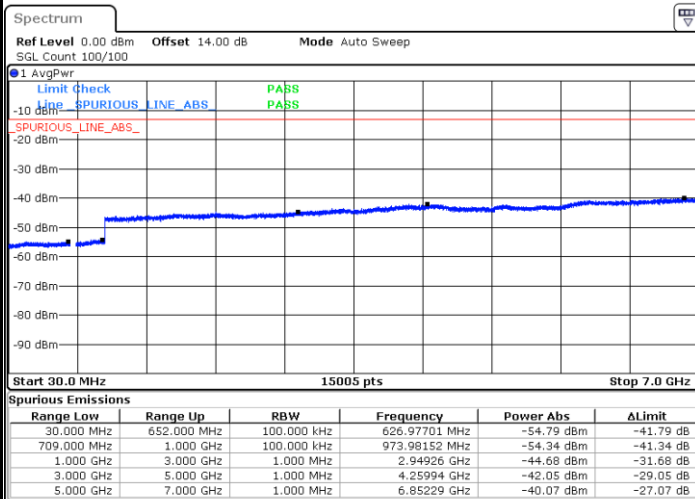
Highest Channel / 16QAM



Date: 10.MAY.2023 20:04:08

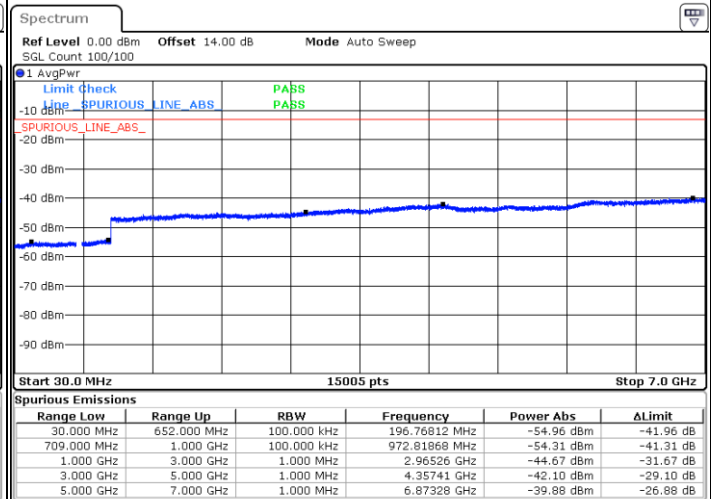
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 10.MAY.2023 20:11:42

Lowest Channel / 16QAM



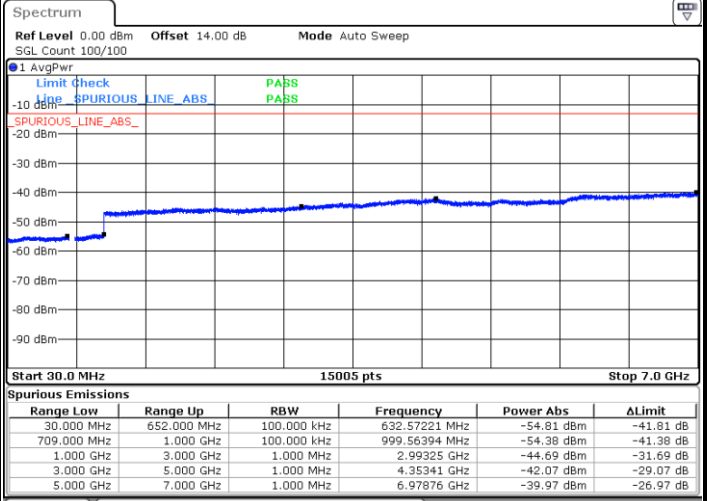
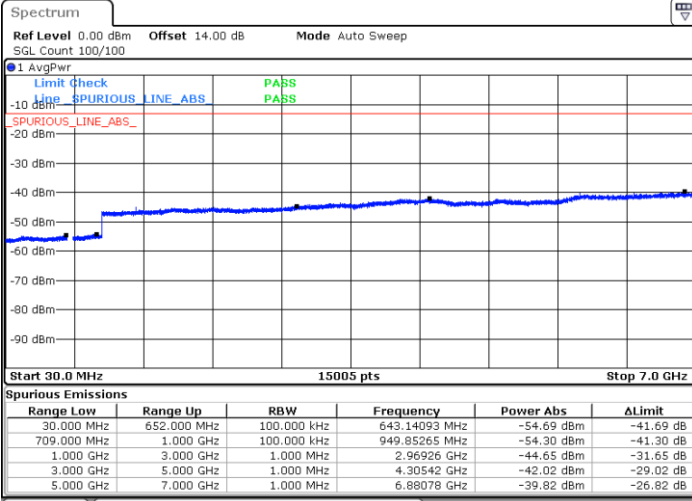
Date: 10.MAY.2023 20:13:14



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

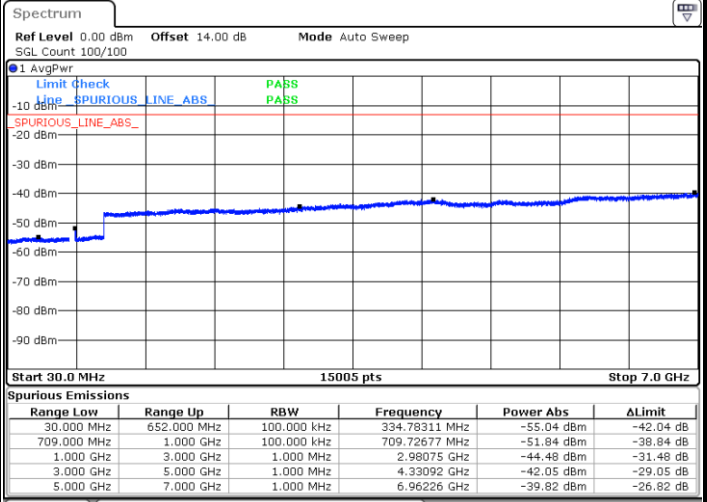
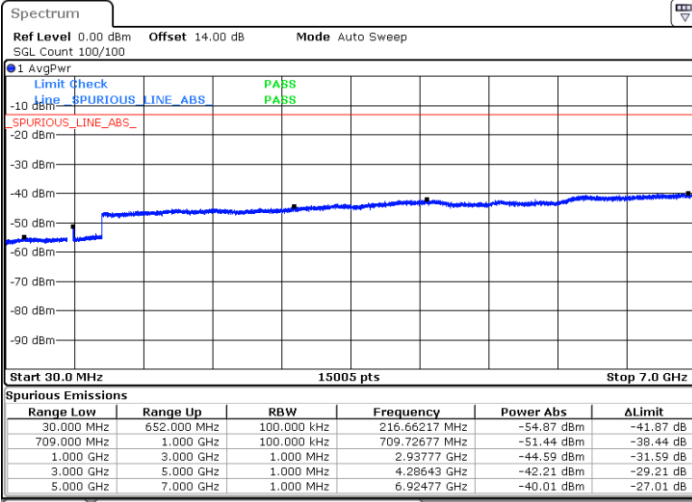


Date: 10.MAY.2023 20:16:19

Date: 10.MAY.2023 20:17:50

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.MAY.2023 20:25:20

Date: 10.MAY.2023 20:26:54



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	0.0004	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0168	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0172	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0187	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: 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	-63.36	-13	-50.36	-79.07	-70.11	5.85	12.60	H
	5613.27	-60.52	-13	-47.52	-79.28	-66.32	7.30	13.10	H
	7484.36	-44.20	-13	-31.20	-69.09	-47.35	8.35	11.50	H
	3742.18	-63.75	-13	-50.75	-79.08	-70.50	5.85	12.60	V
	5613.27	-61.98	-13	-48.98	-80.22	-67.78	7.30	13.10	V
	7484.36	-48.01	-13	-35.01	-73.29	-51.16	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	-59.22	-13	-46.22	-66.64	-62.47	4.00	9.40	H
	2496.27	-59.76	-13	-46.76	-71.22	-63.33	4.88	10.60	H
	3328.36	-62.44	-13	-49.44	-76.61	-67.37	5.52	12.60	H
	1664.18	-62.53	-13	-49.53	-70.09	-65.78	4.00	9.40	V
	2496.27	-57.06	-13	-44.06	-68.61	-60.63	4.88	10.60	V
	3328.36	-63.94	-13	-50.94	-78.09	-68.87	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	-59.84	-13	-46.84	-68.34	-63.09	4.00	9.40	H
	2109	-65.10	-13	-52.10	-75.90	-68.67	4.88	10.60	H
	2812	-63.42	-13	-50.42	-76.59	-68.35	5.52	12.60	H
	1406	-65.08	-13	-52.08	-73.47	-68.33	4.00	9.40	V
	2109	-64.33	-13	-51.33	-75.36	-67.90	4.88	10.60	V
	2812	-63.38	-13	-50.38	-76.48	-68.31	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	3492	-64.08	-13	-51.08	-78.63	-70.93	5.65	12.50	H
	5238	-62.70	-13	-49.70	-81.49	-68.37	7.13	12.80	H
	6984	-57.57	-13	-44.57	-80.66	-60.97	8.40	11.80	H
	3492	-64.16	-13	-51.16	-78.75	-71.01	5.65	12.50	V
	5238	-63.21	-13	-50.21	-81.57	-68.88	7.13	12.80	V
	6984	-57.44	-13	-44.44	-80.73	-60.84	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	1348	-63.11	-13	-50.11	-70.77	-66.36	4.00	9.40	H
	2022	-55.44	-13	-42.44	-65.33	-59.01	4.88	10.60	H
	2696	-64.39	-13	-51.39	-77.04	-69.32	5.52	12.60	H
	1348	-63.58	-13	-50.58	-71.17	-66.83	4.00	9.40	V
	2022	-63.21	-13	-50.21	-73.22	-66.78	4.88	10.60	V
	2696	-64.61	-13	-51.61	-77.15	-69.54	5.52	12.60	V

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