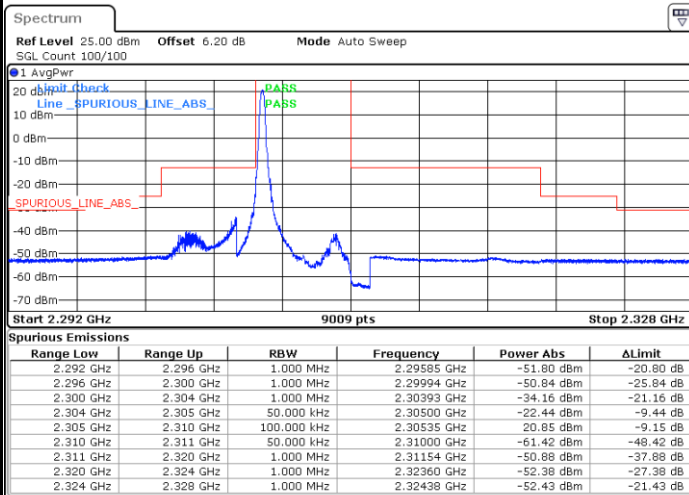




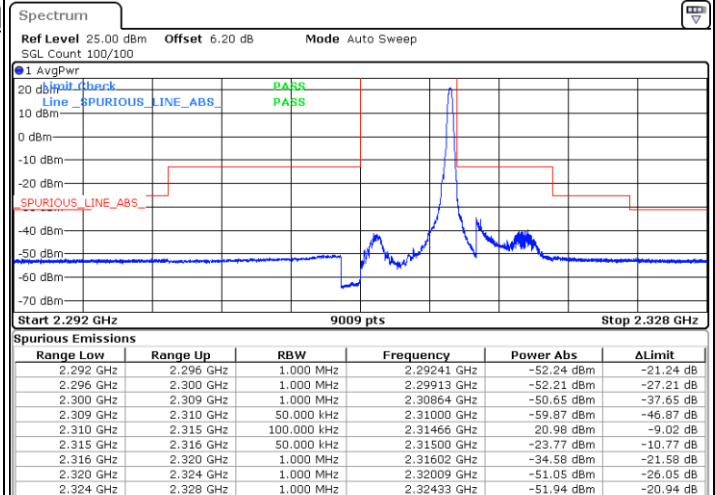
Conducted Band Edge

LTE Band 30 / 5MHz / QPSK

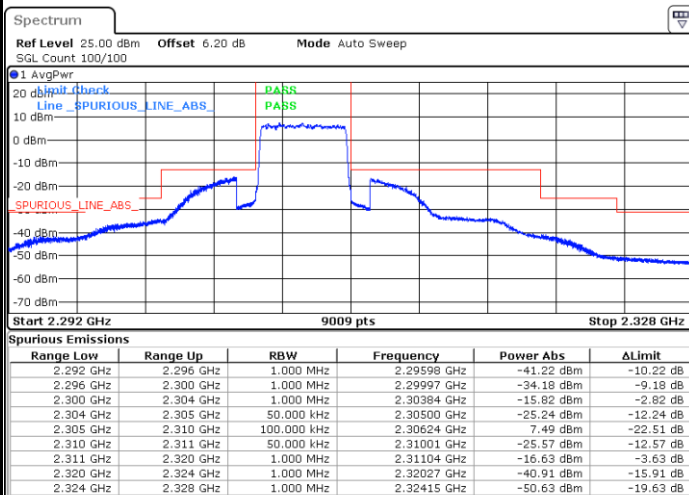
Lowest Band Edge / 1 RB



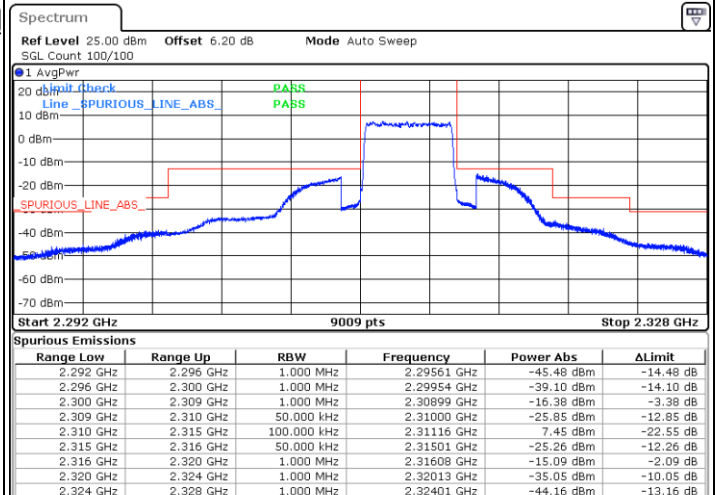
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



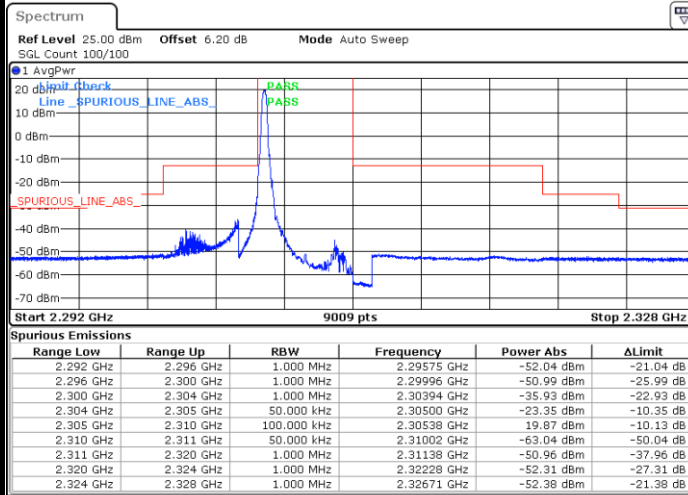
Highest Band Edge / Full RB





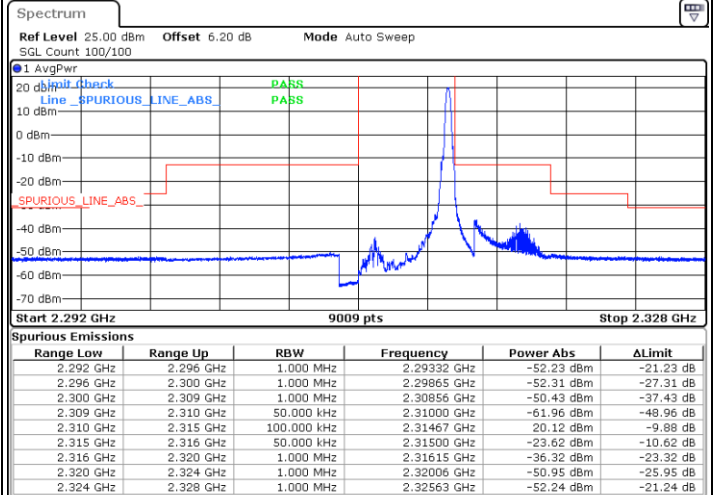
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



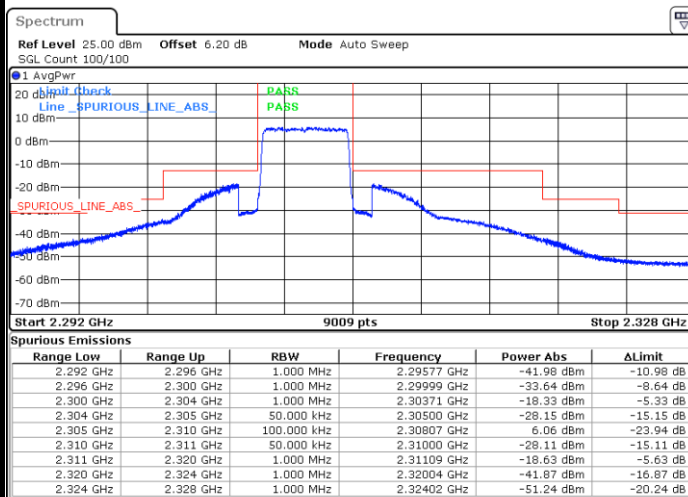
Date: 6.NOV.2023 13:04:21

Highest Band Edge / 1 RB



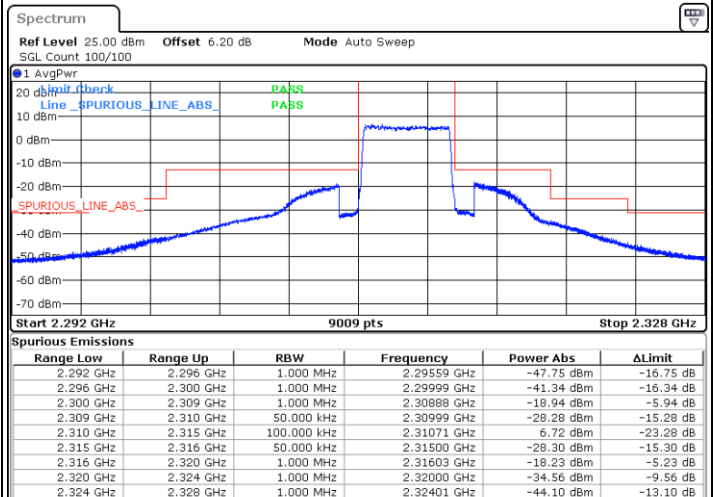
Date: 6.NOV.2023 13:25:19

Lowest Band Edge / Full RB



Date: 6.NOV.2023 13:08:08

Highest Band Edge / Full RB

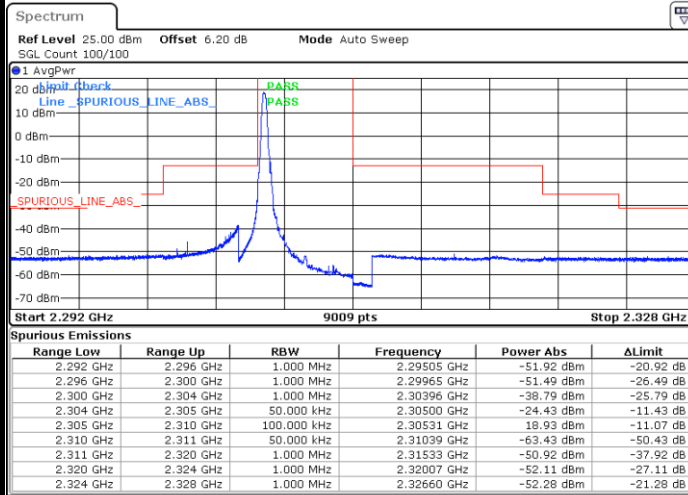


Date: 6.NOV.2023 13:41:56

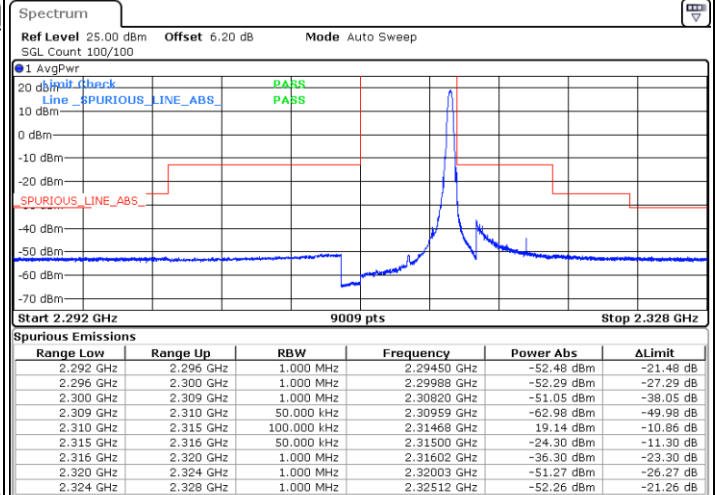


LTE Band 30 / 5MHz / 64QAM

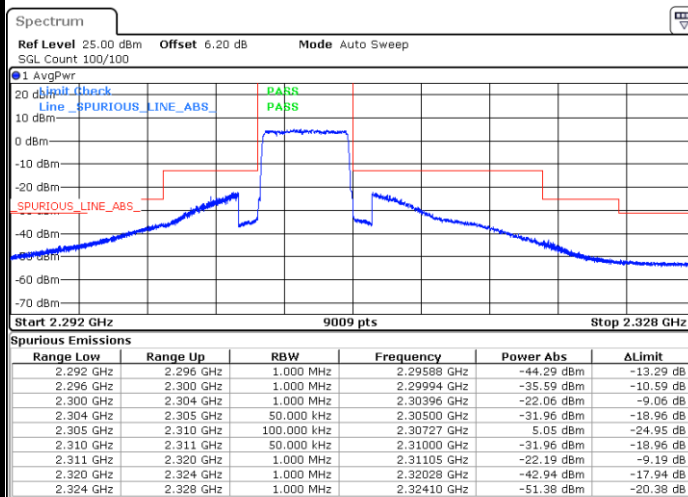
Lowest Band Edge / 1 RB



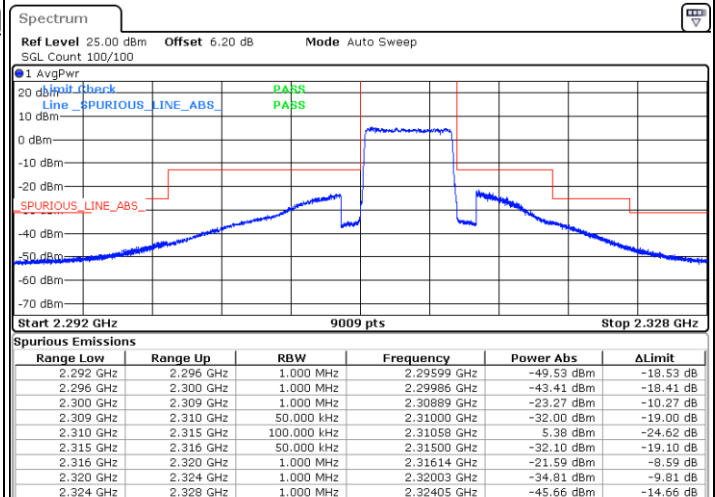
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



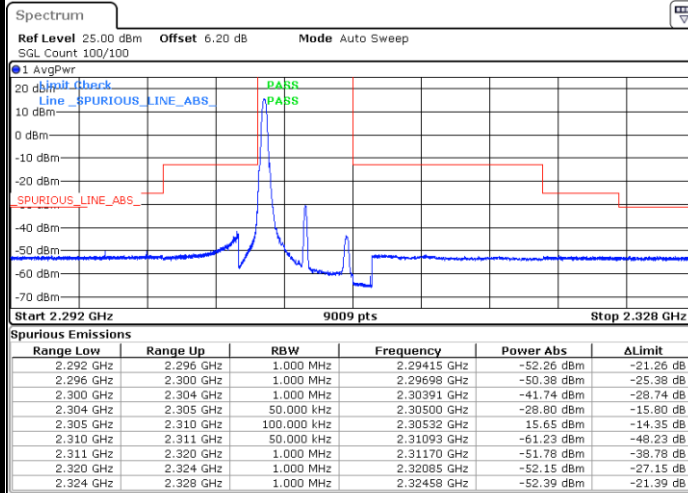
Highest Band Edge / Full RB





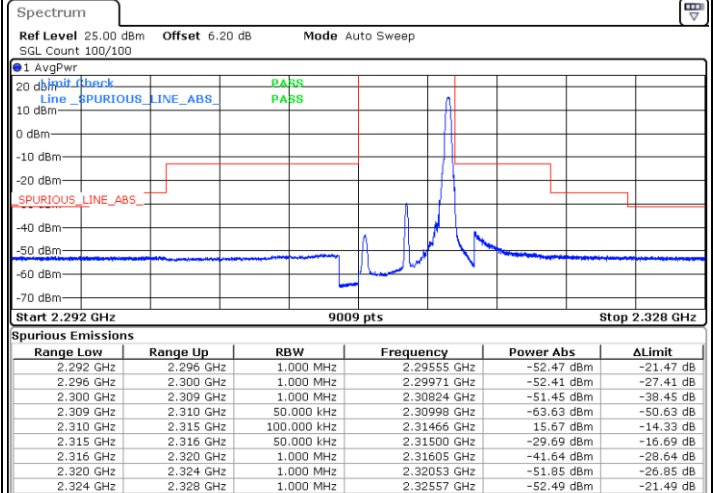
LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



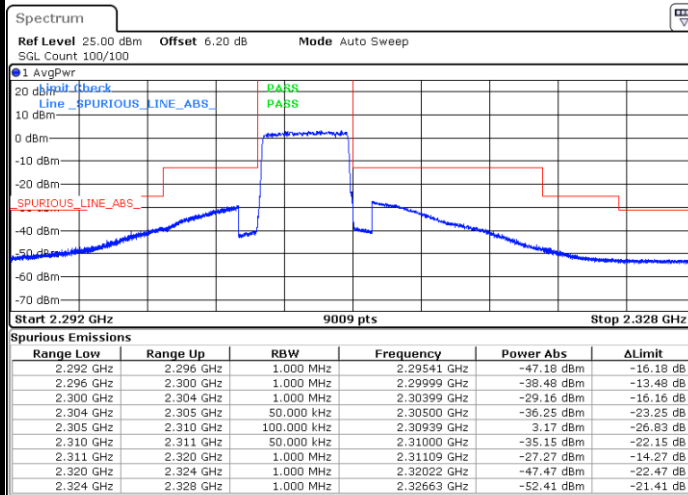
Date: 6.NOV.2023 13:06:17

Highest Band Edge / 1 RB



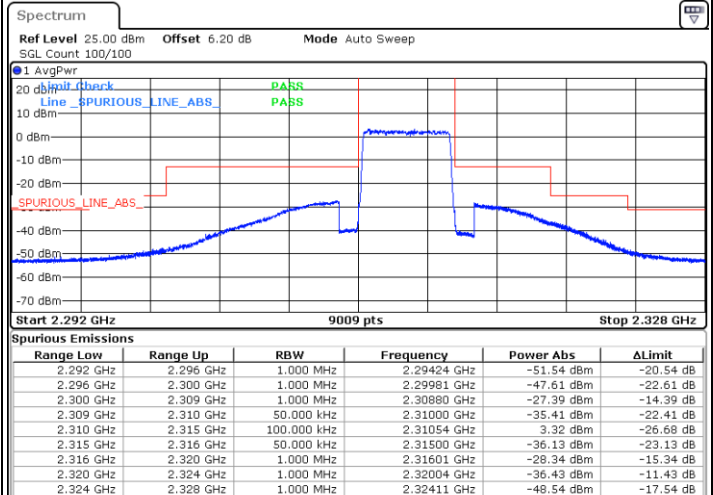
Date: 6.NOV.2023 13:26:54

Lowest Band Edge / Full RB



Date: 6.NOV.2023 13:11:01

Highest Band Edge / Full RB



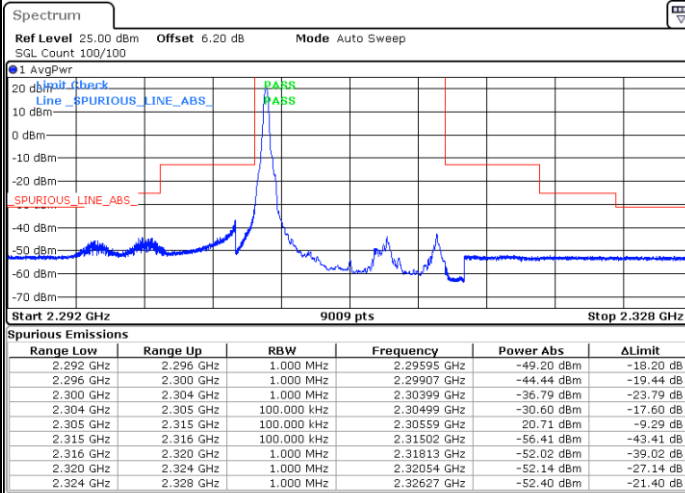
Date: 6.NOV.2023 13:43:36



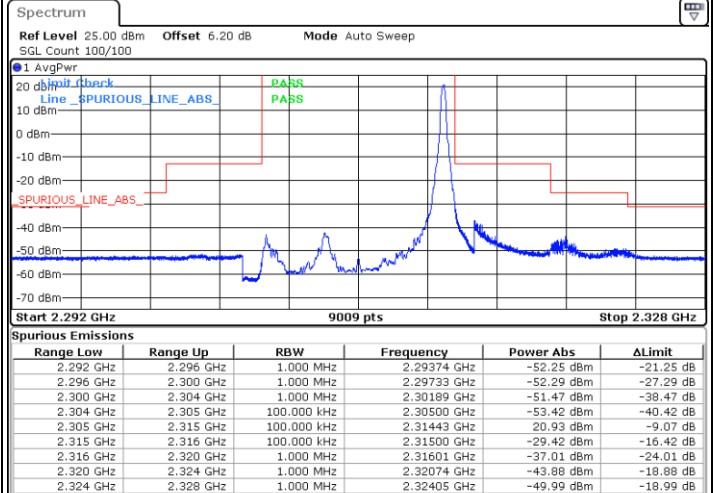
LTE Band 30 / 10MHz / QPSK

Middle Band Edge / 1 RB 0

Middle Band Edge / 1 RB max

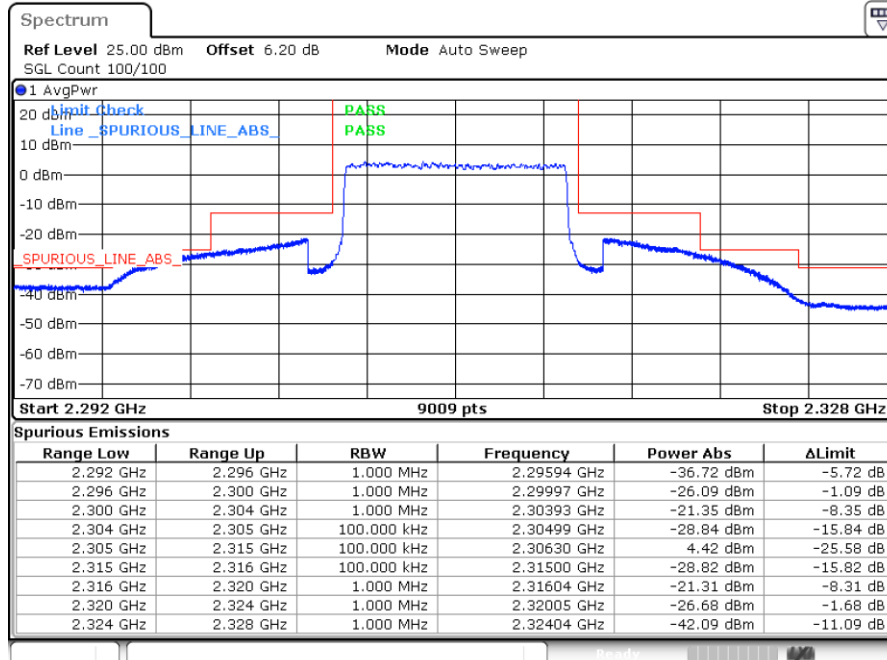


Date: 6.NOV.2023 13:45:23



Date: 6.NOV.2023 13:48:56

Middle Band Edge / Full RB



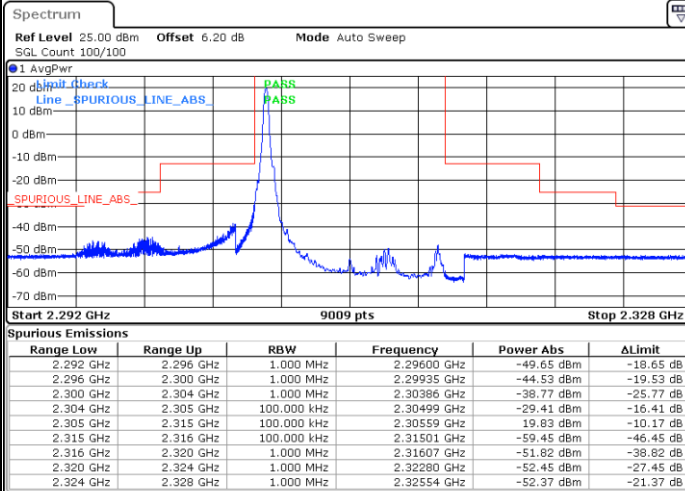
Date: 6.NOV.2023 15:50:17



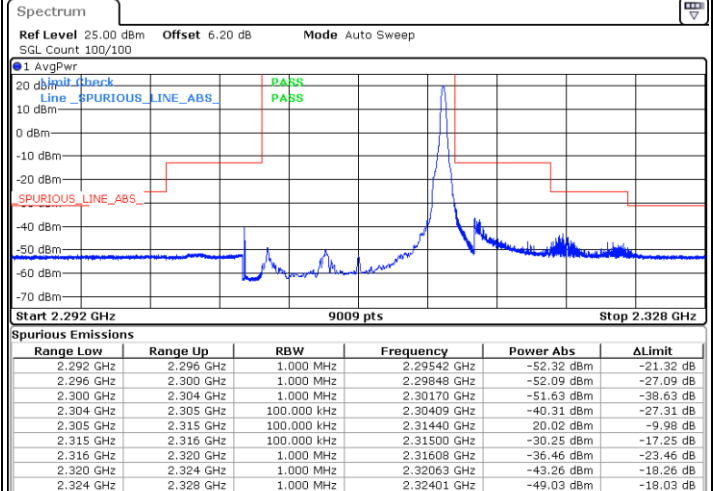
LTE Band 30 / 10MHz / 16QAM

Middle Band Edge / 1 RB 0

Middle Band Edge / 1 RB max

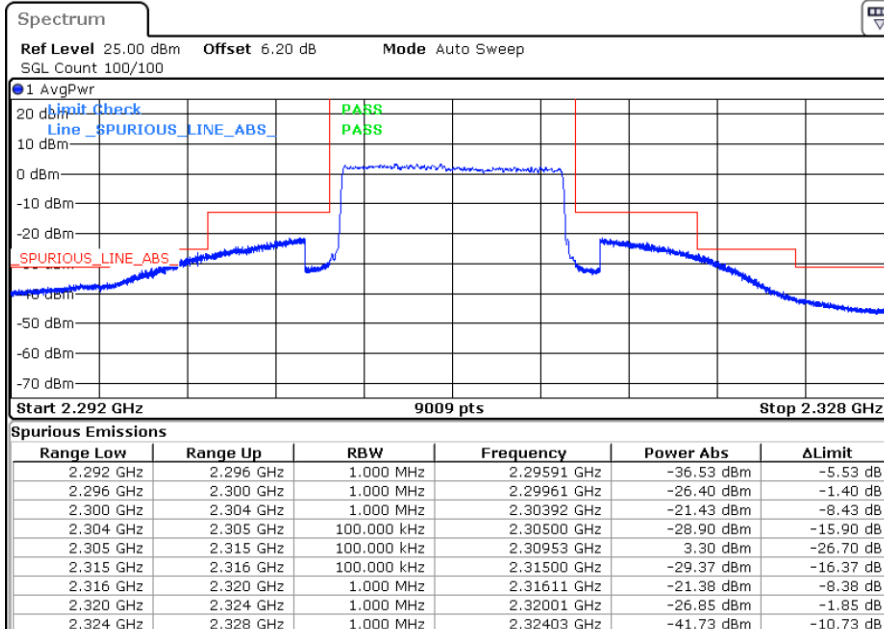


Date: 6.NOV.2023 13:46:26



Date: 6.NOV.2023 13:49:42

Middle Band Edge / Full RB



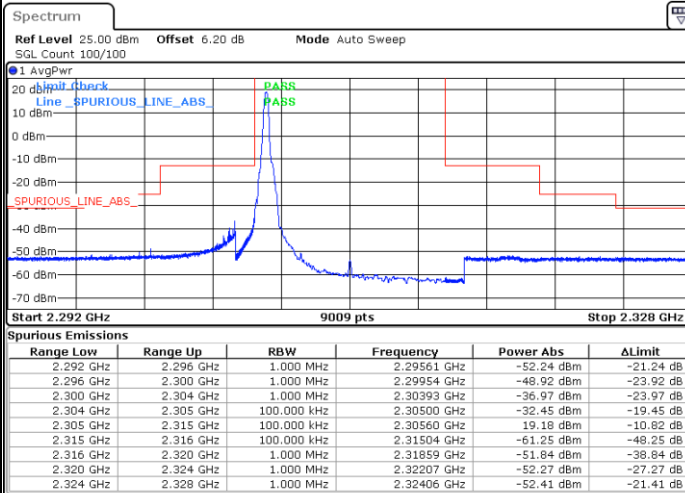
Date: 6.NOV.2023 14:37:59



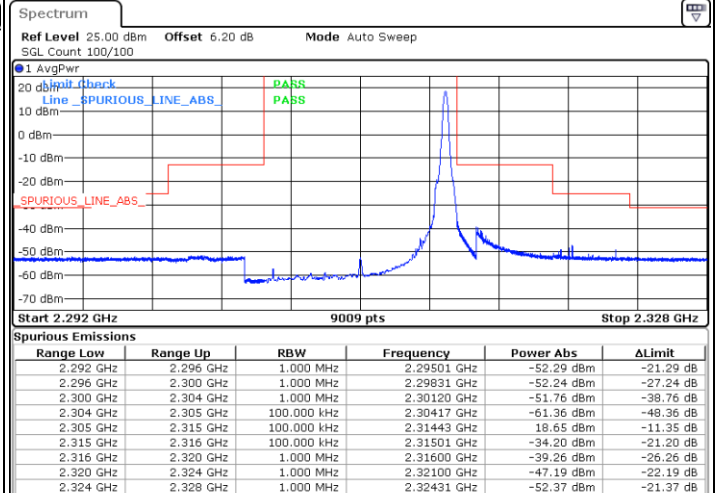
LTE Band 30 / 10MHz / 64QAM

Middle Band Edge / 1 RB 0

Middle Band Edge / 1 RB max

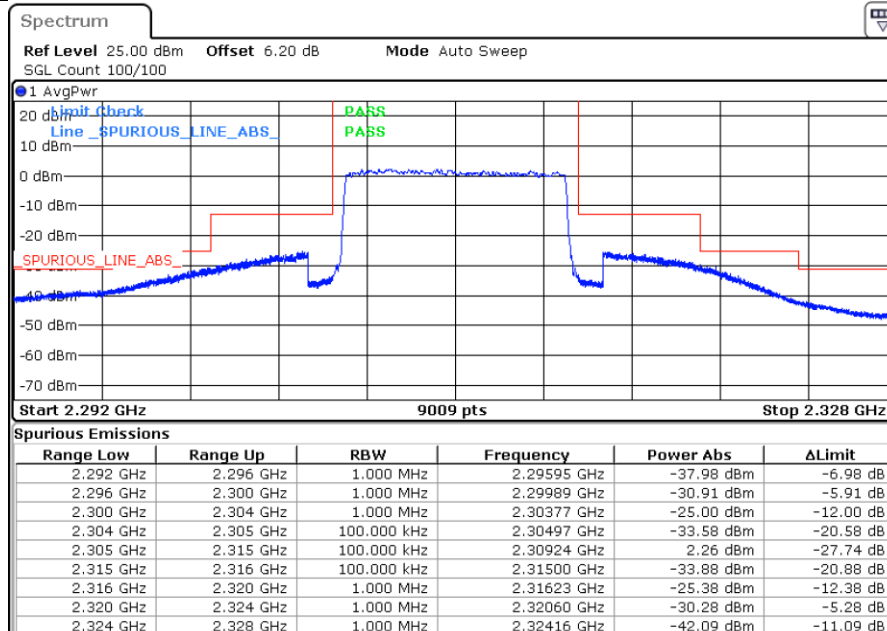


Date: 6.NOV.2023 13:47:10



Date: 6.NOV.2023 13:50:28

Middle Band Edge / Full RB



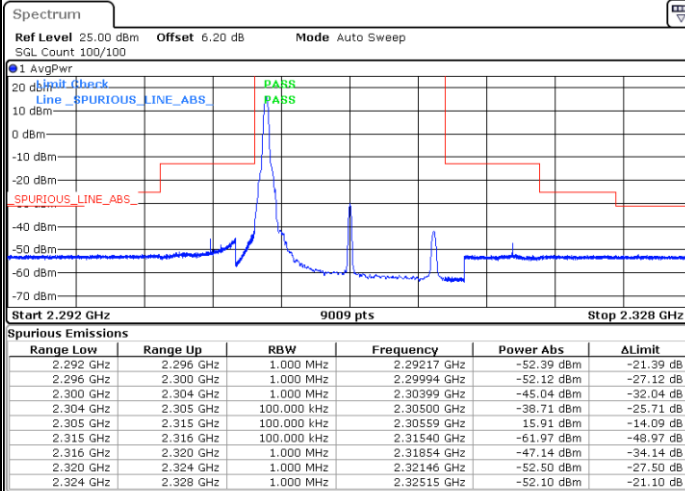
Date: 6.NOV.2023 14:38:57



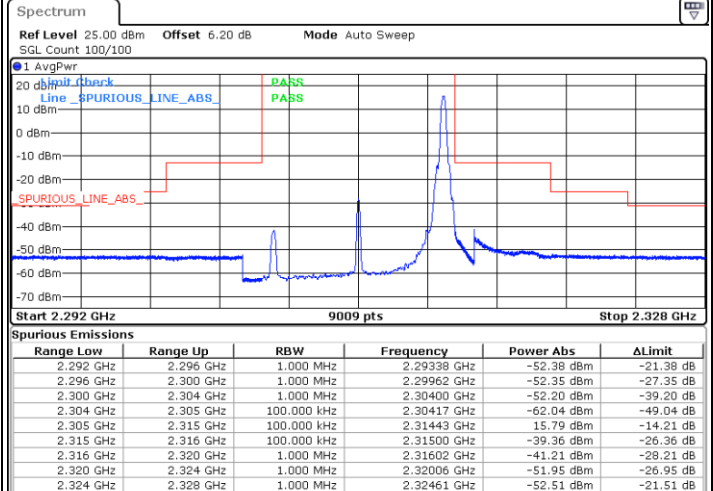
LTE Band 30 / 10MHz / 256QAM

Middle Band Edge / 1 RB 0

Middle Band Edge / 1 RB max

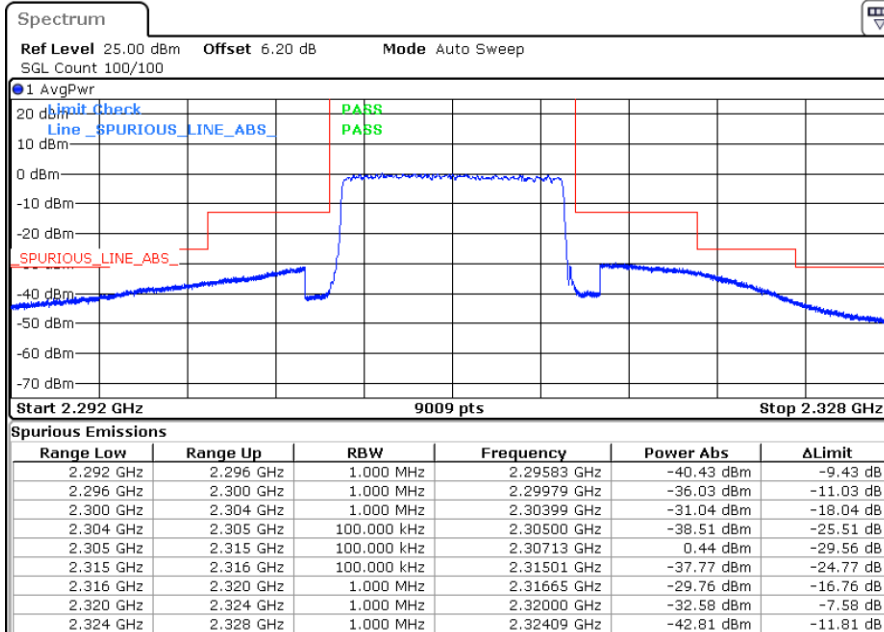


Date: 6.NOV.2023 13:48:05



Date: 6.NOV.2023 13:51:17

Middle Band Edge / Full RB

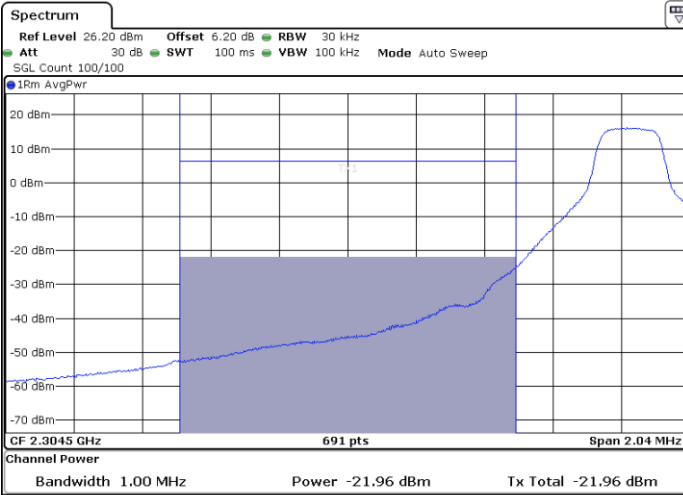


Date: 6.NOV.2023 14:40:05

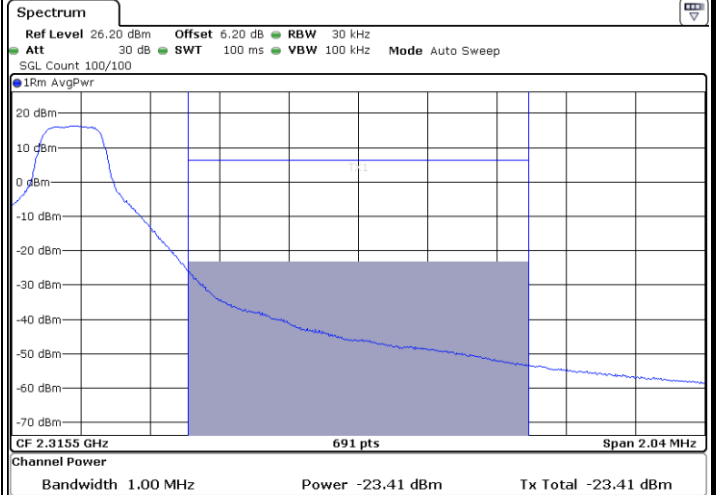


LTE Band 30 / 5MHz / QPSK

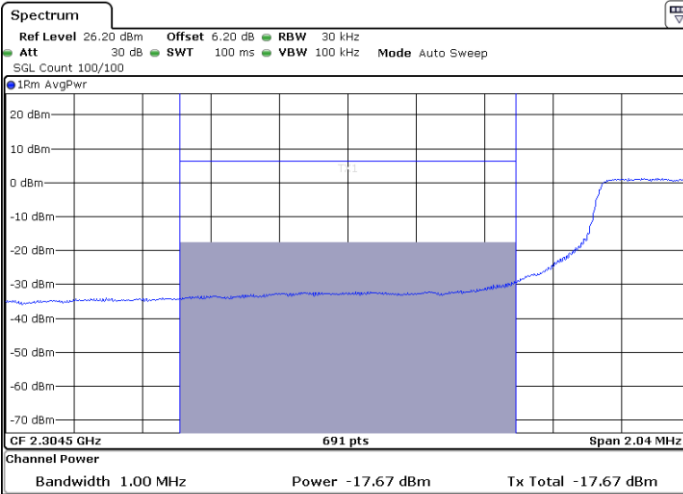
Lowest Band Edge / 1 RB



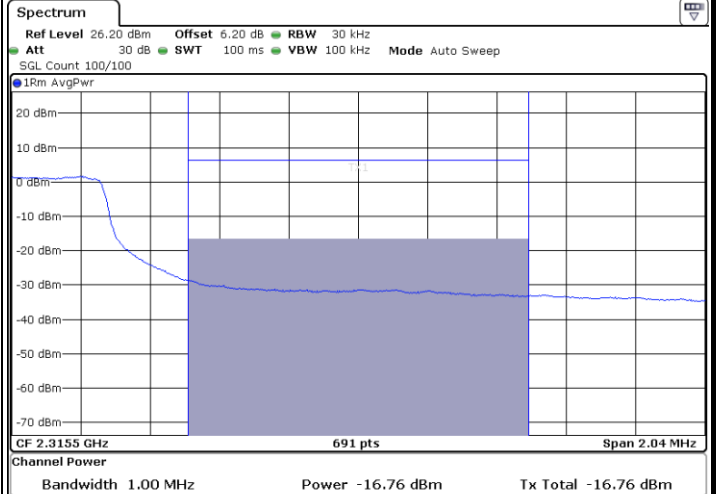
Highest Band Edge / 1 RBMAX



Lowest Band Edge / Full RB



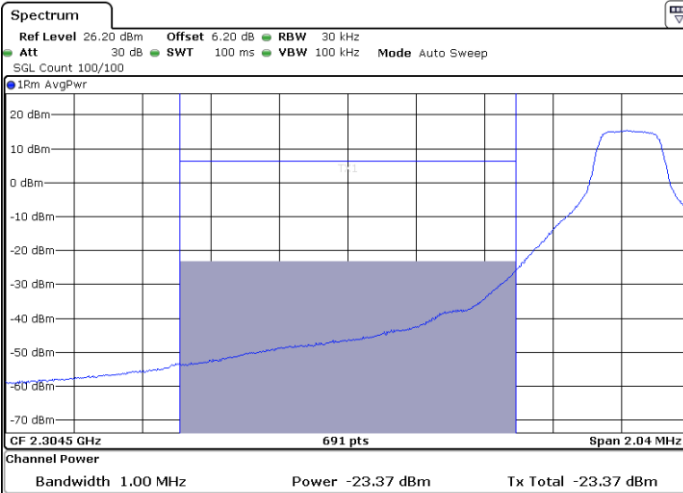
Highest Band Edge / Full RB



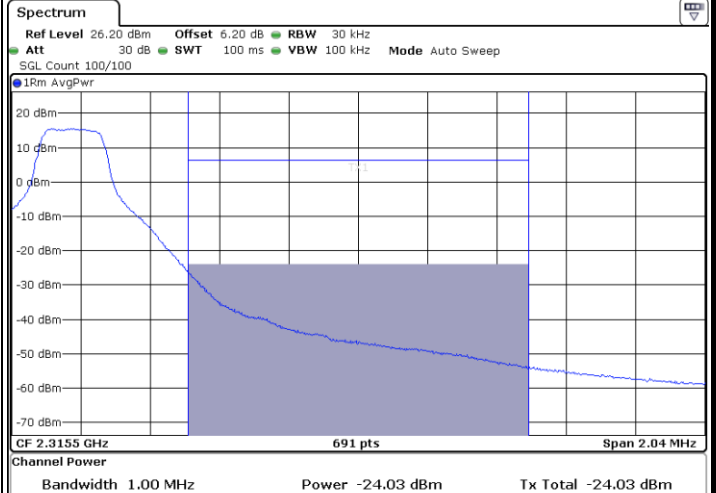


LTE Band 30 / 5MHz / 16QAM

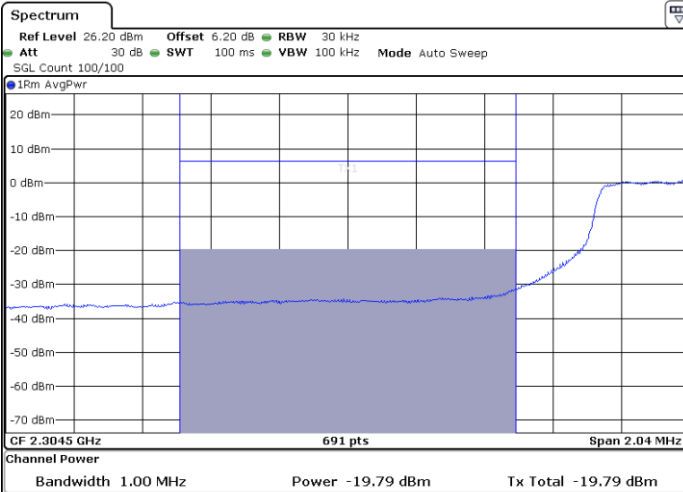
Lowest Band Edge / 1RB



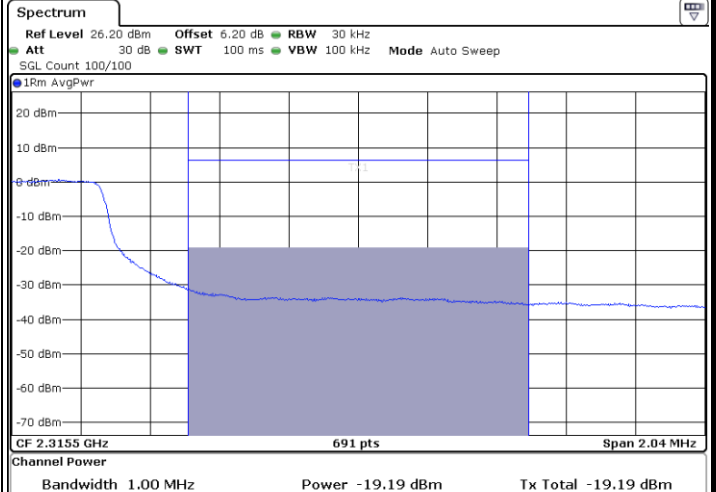
Highest Band Edge / 1 RBMAX



Lowest Band Edge / Full RB



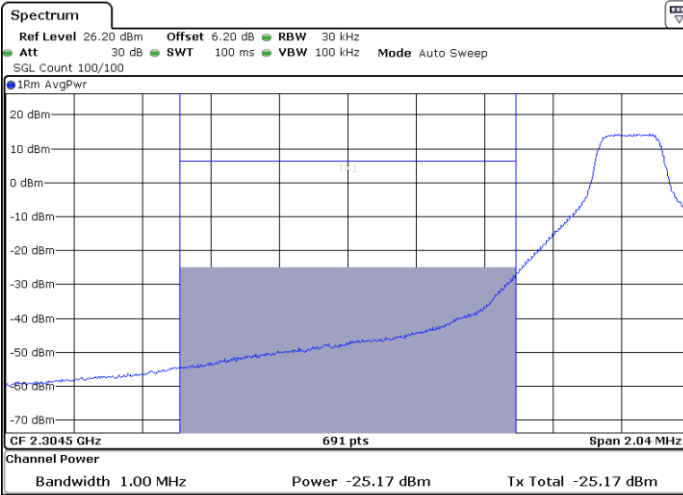
Highest Band Edge / Full RB



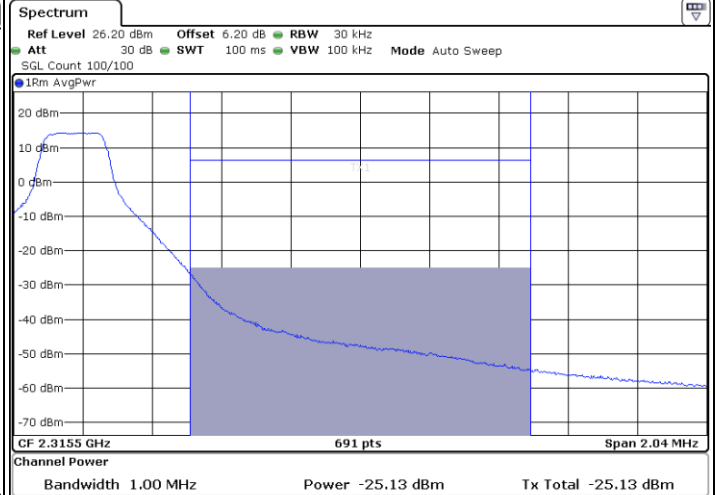


LTE Band 30 / 5MHz / 64QAM

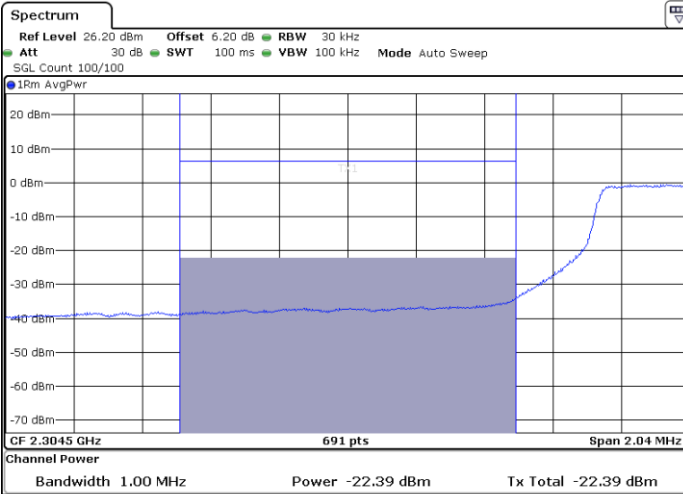
Lowest Band Edge / 1RB



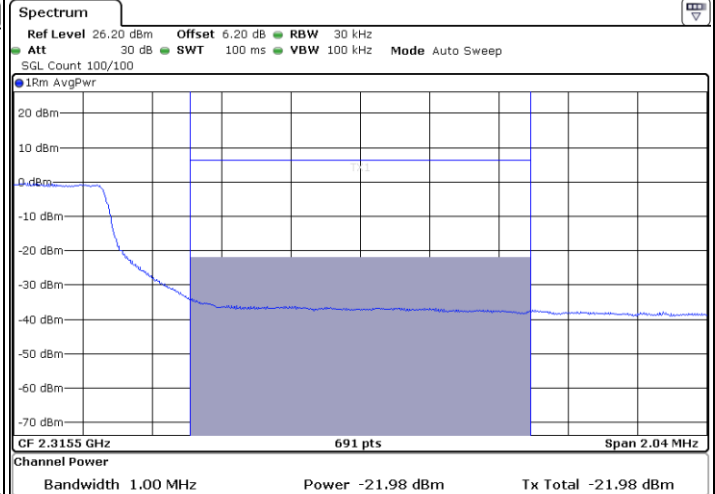
Highest Band Edge / 1 RBMAX



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

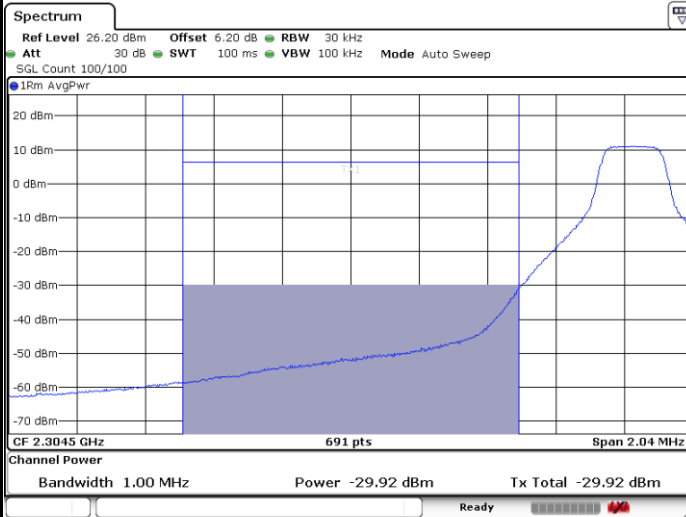
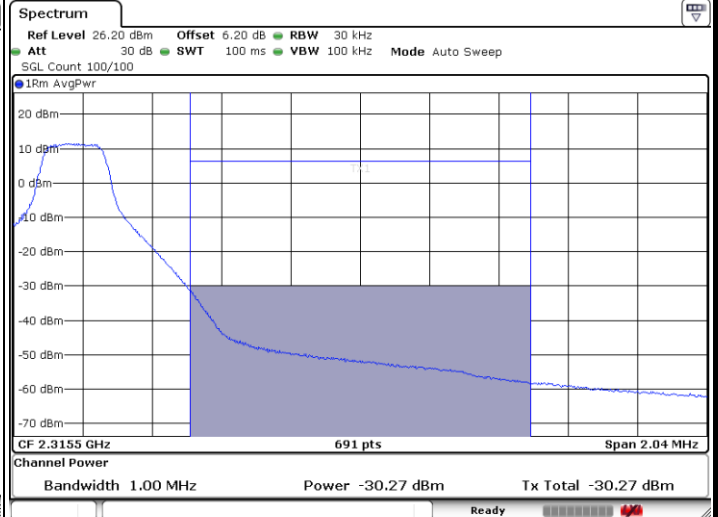




LTE Band 30 / 5MHz / 256QAM

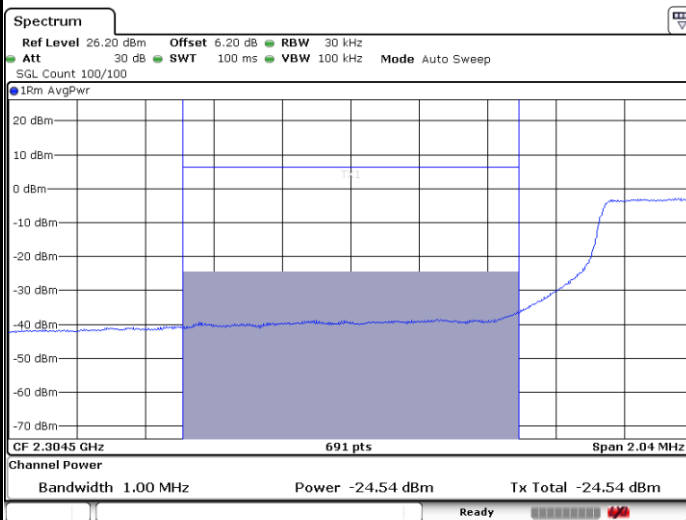
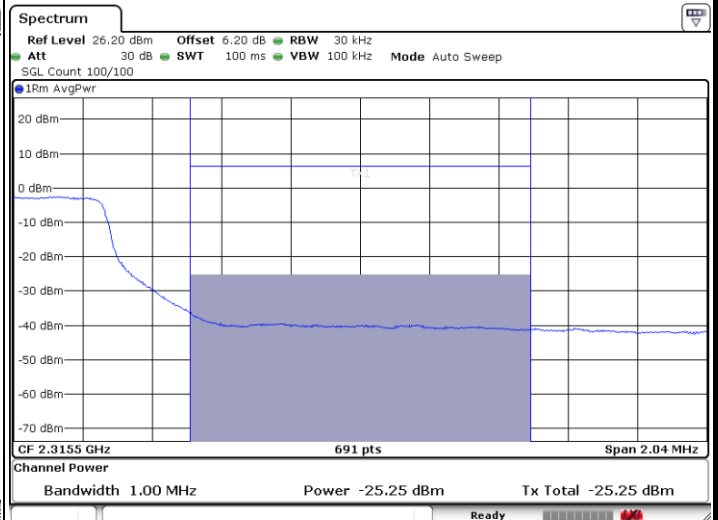
Lowest Band Edge / 1RB

Highest Band Edge / 1 RBMAX



Lowest Band Edge / Full RB

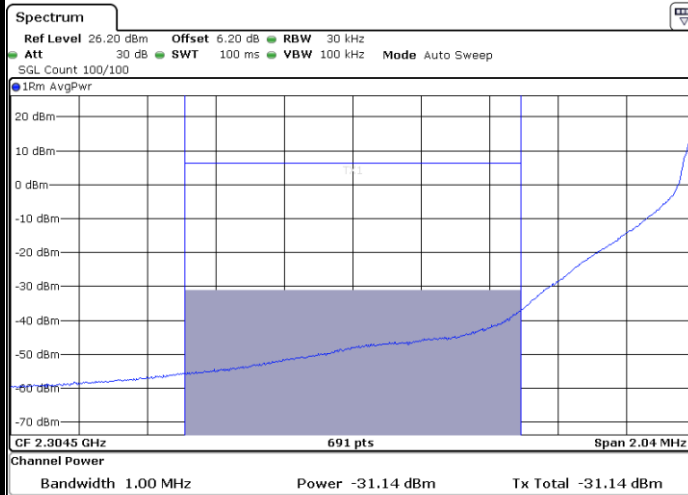
Highest Band Edge / Full RB





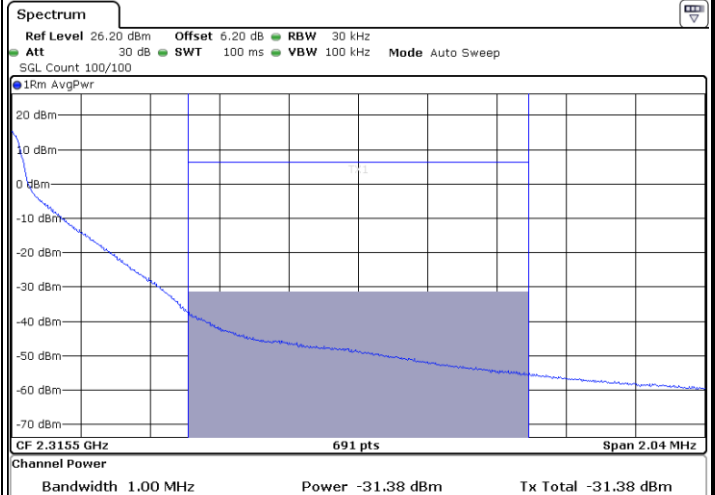
LTE Band 30 / 10MHz / QPSK

1 RB



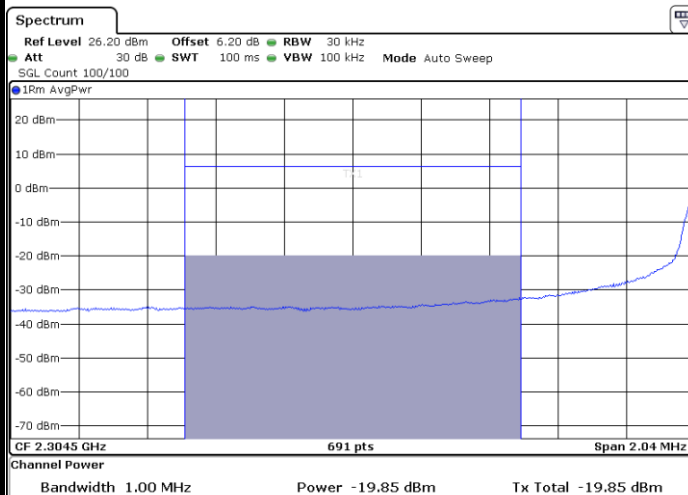
Date: 7.NOV.2023 10:43:37

1 RBMax



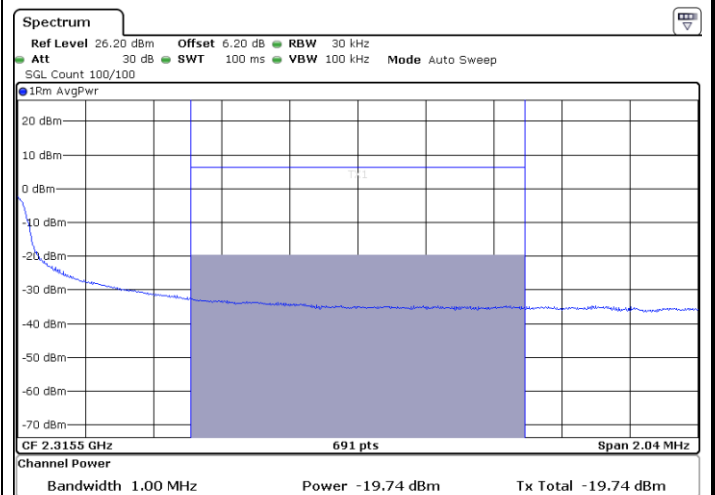
Date: 7.NOV.2023 10:59:35

Full RB



Date: 7.NOV.2023 10:50:12

1 RBMax

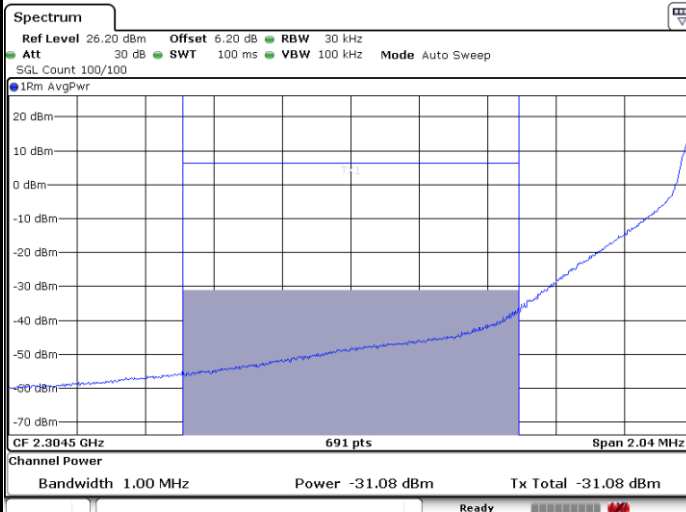


Date: 7.NOV.2023 10:53:38

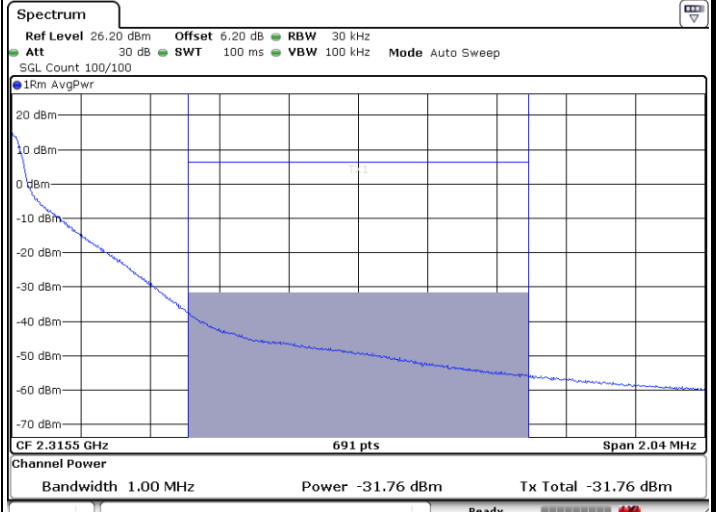


LTE Band 30 / 10MHz / 16QAM

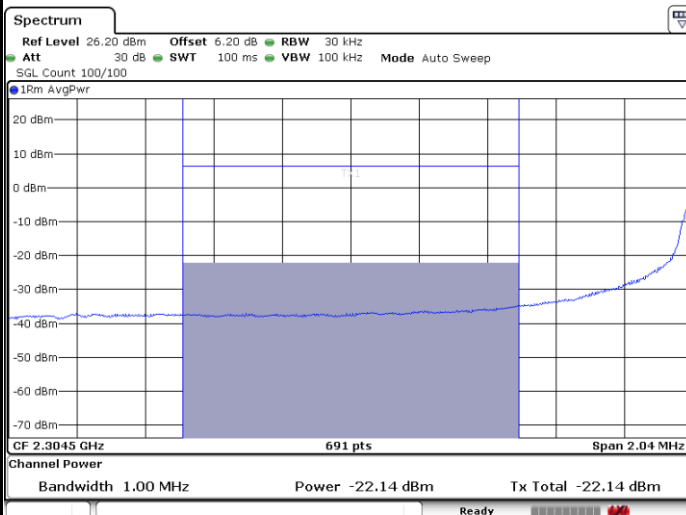
1 RB



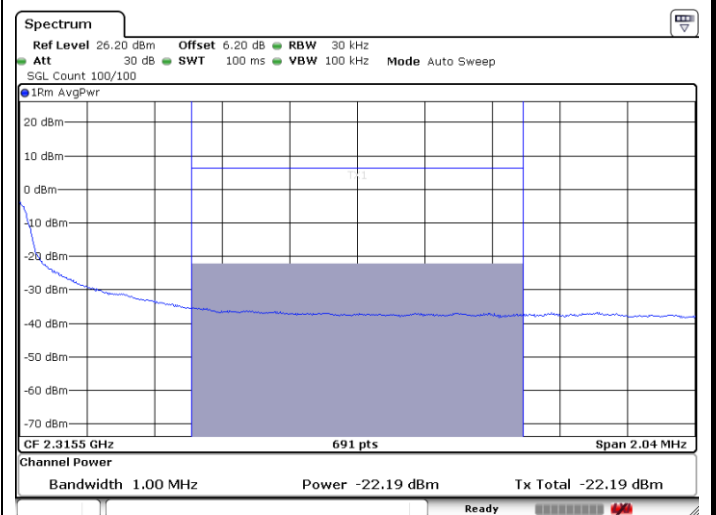
1 RBMax



Full RB



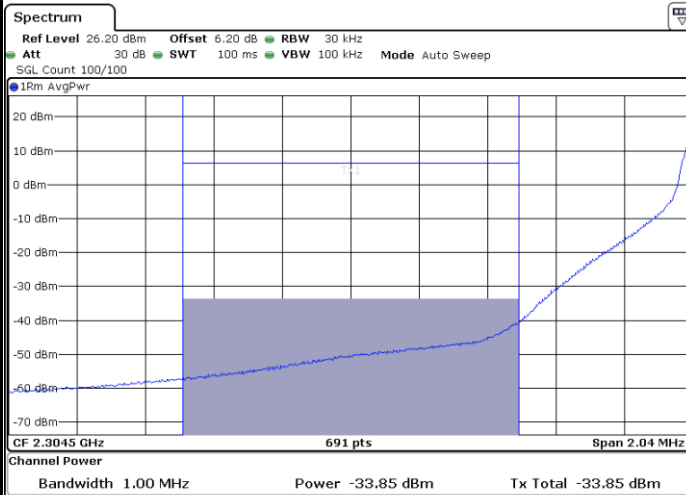
Full RB





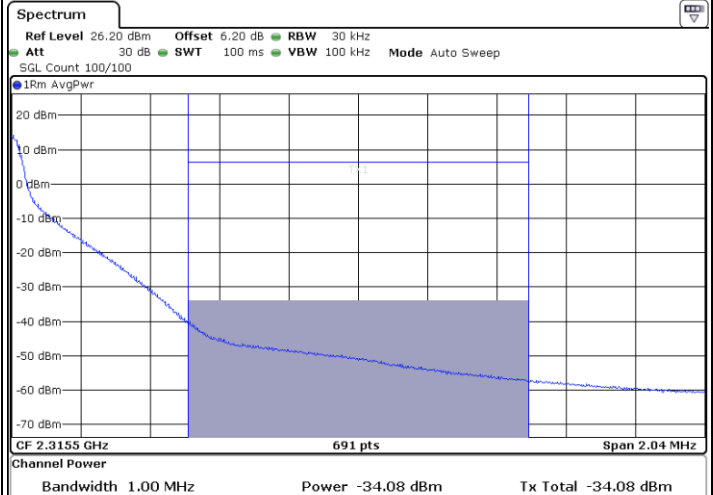
LTE Band 30 / 10MHz / 64QAM

1 RB



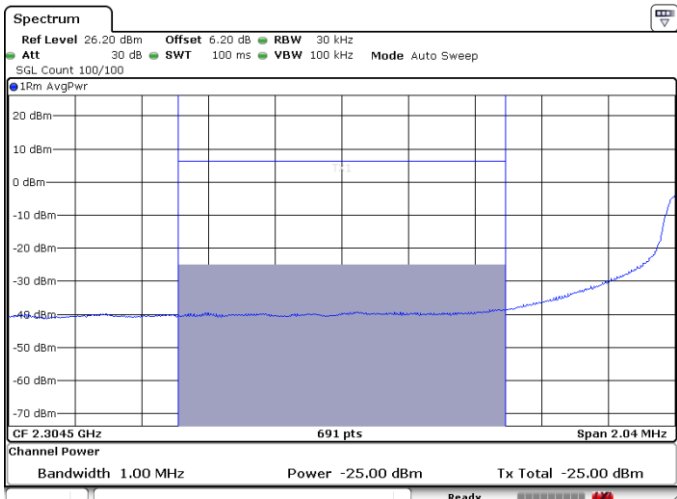
Date: 7.NOV.2023 10:45:01

1 RBMax



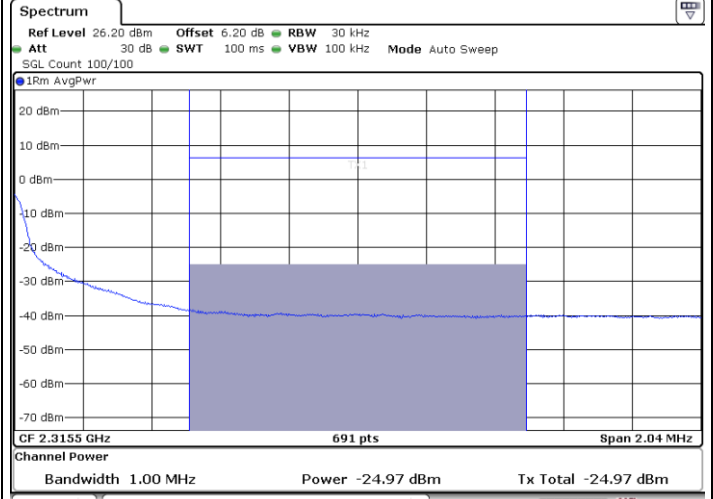
Date: 7.NOV.2023 11:00:35

Band Edge / Full RB



Date: 7.NOV.2023 10:51:16

Band Edge / Full RB

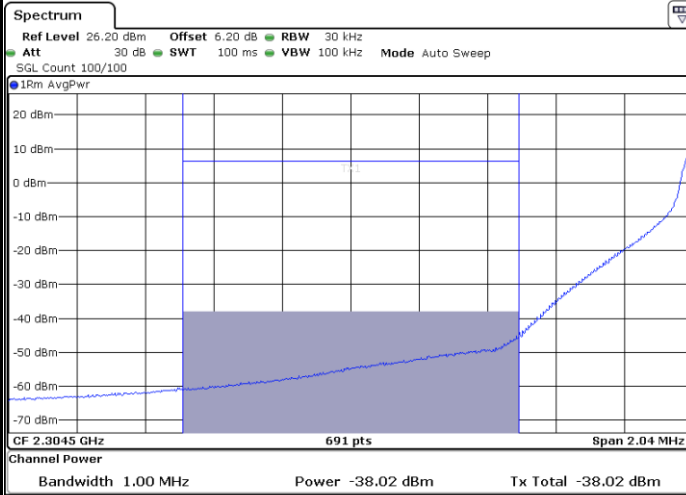


Date: 7.NOV.2023 10:54:39

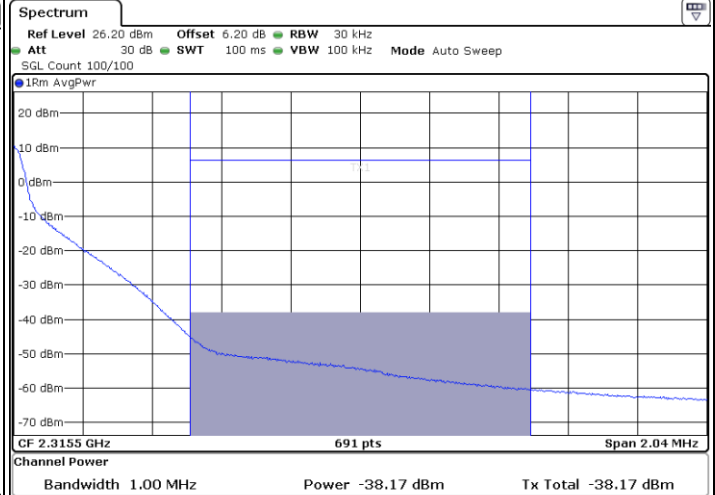


LTE Band 30 / 10MHz / 256 QAM

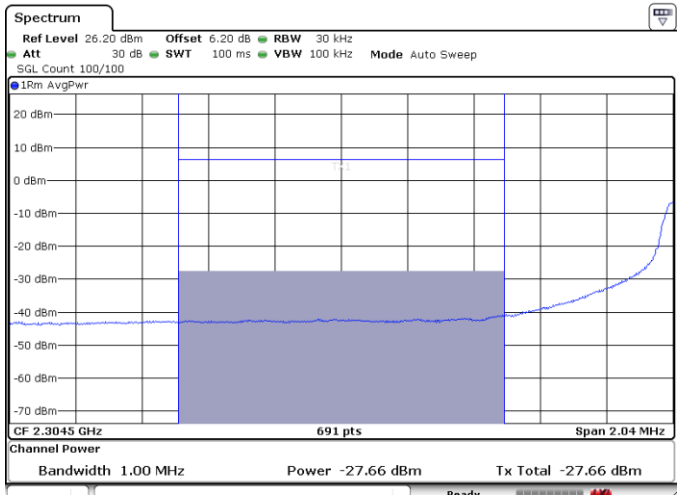
1 RB



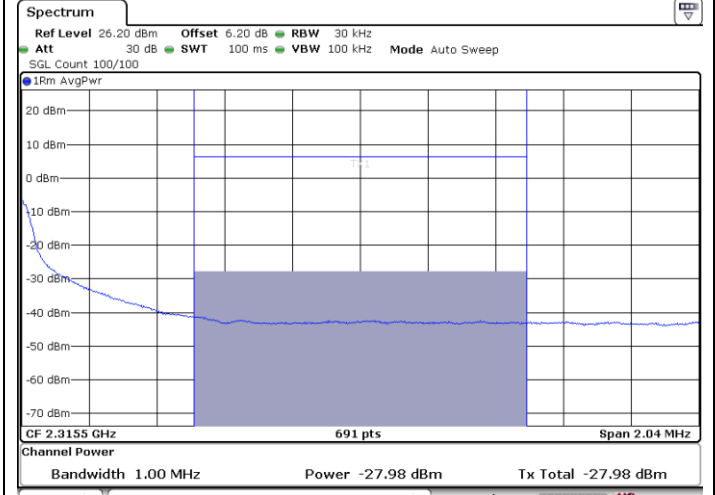
1 RBMax



Band Edge / Full RB



Band Edge / Full RB



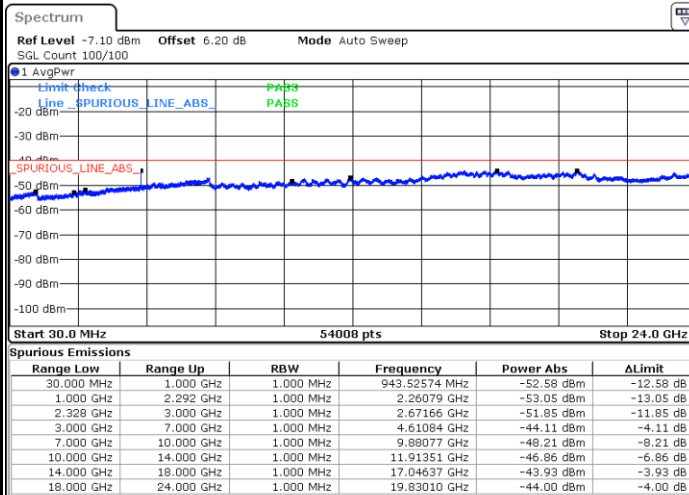
Note: only the worst results of each BW are shown in the report.



Conducted Spurious Emission

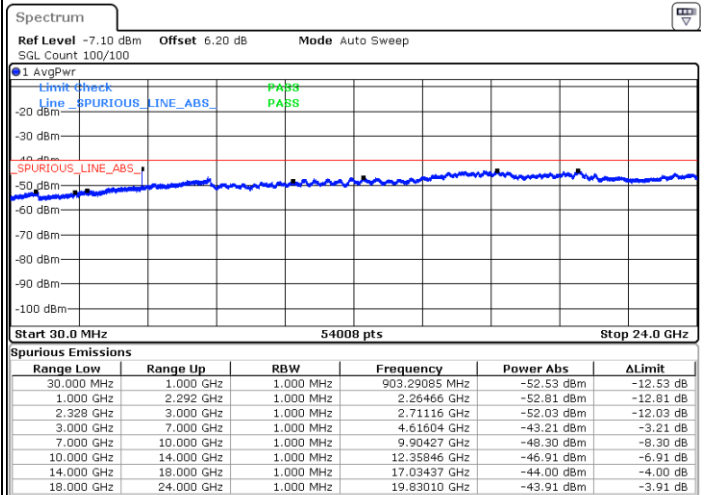
LTE Band 30 / 5MHz

Lowest Channel / QPSK



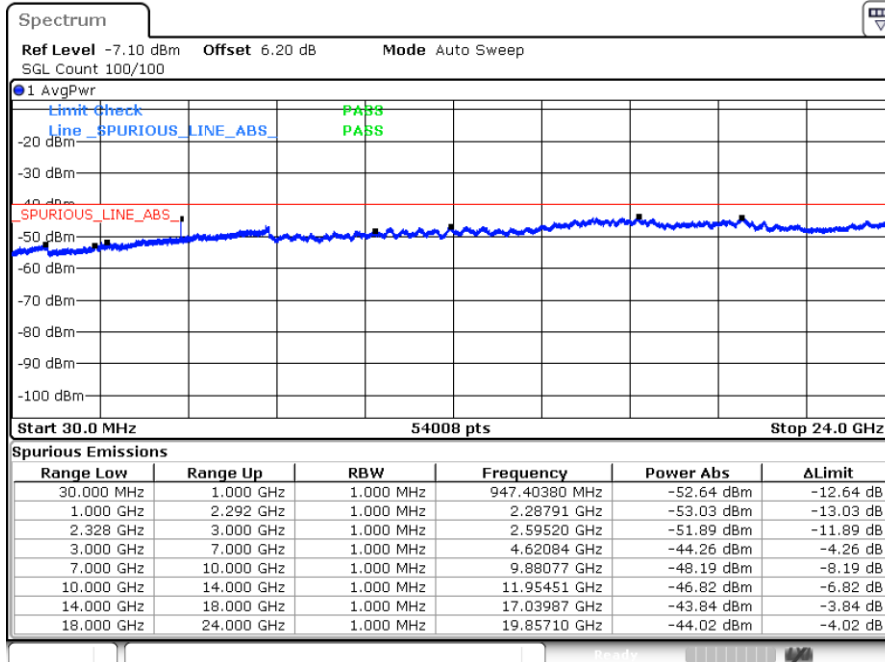
Date: 6.NOV.2023 13:19:06

Middle Channel / QPSK



Date: 6.NOV.2023 13:20:32

Highest Channel / QPSK

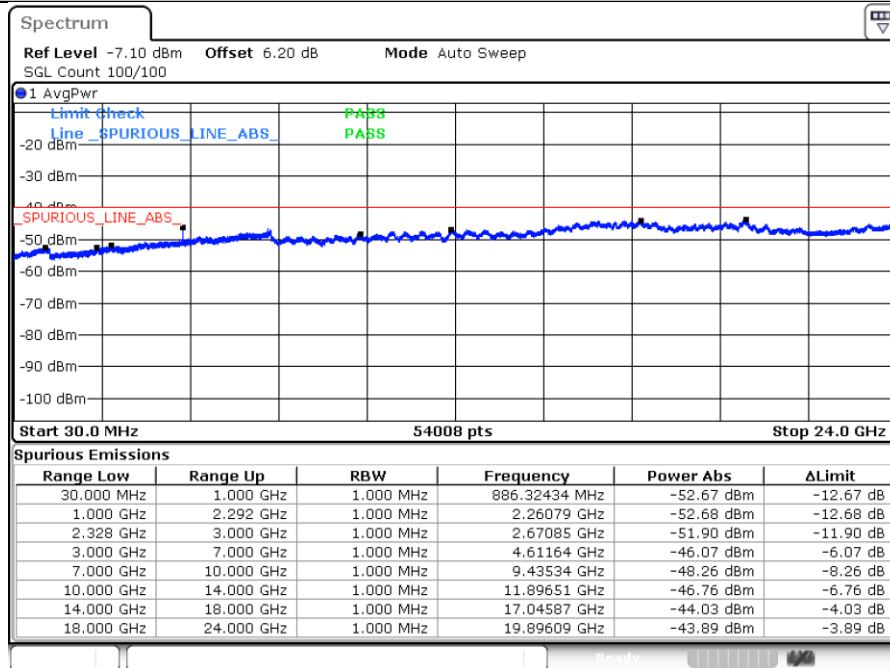


Date: 6.NOV.2023 13:23:15



LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 6.NOV.2023 14:41:20

Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.4V ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

For Main PA:

LTE Band 30 / 5MHz / QPSK ANT1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4616	-58.36	-40	-18.36	-69.82	2.84	14.30	H
	6912	-44.87	-40	-4.87	-54.81	3.49	13.43	H
	9222	-58.36	-40	-18.36	-68.60	3.85	14.09	H
	11532	-57.64	-40	-17.64	-67.20	4.27	13.83	H
	4616	-58.77	-40	-18.77	-70.23	2.84	14.30	V
	6912	-44.80	-40	-4.80	-54.74	3.49	13.43	V
	9222	-57.80	-40	-17.80	-68.04	3.85	14.09	V
	11532	-54.16	-40	-14.16	-63.72	4.27	13.83	V
Middle	4616	-60.20	-40	-20.20	-71.66	2.84	14.30	H
	6926	-45.28	-40	-5.28	-55.22	3.49	13.43	H
	9236	-60.79	-40	-20.79	-71.03	3.85	14.09	H
	11532	-57.64	-40	-17.64	-67.20	4.27	13.83	H
	4616	-60.37	-40	-20.37	-71.83	2.84	14.30	V
	6926	-44.32	-40	-4.32	-54.26	3.49	13.43	V
	9236	-58.82	-40	-18.82	-69.06	3.85	14.09	V
	11532	-56.45	-40	-16.45	-66.28	4.54	14.37	V
Highest	4616	-59.65	-40	-19.65	-71.11	2.84	14.30	H
	6926	-45.77	-40	-5.77	-55.71	3.49	13.43	H
	9236	-60.29	-40	-20.29	-70.53	3.85	14.09	H
	11546	-59.14	-40	-19.14	-68.70	4.27	13.83	H
	4616	-59.36	-40	-19.36	-70.82	2.84	14.30	V
	6926	-45.72	-40	-5.72	-55.66	3.49	13.43	V
	9236	-59.62	-40	-19.62	-69.86	3.85	14.09	V
	11546	-57.32	-40	-17.32	-66.88	4.27	13.83	V

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

LTE Band 30 / 10MHz / QPSK ANT1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-58.50	-40	-18.50	-69.96	2.84	14.30	H
	6912	-48.67	-40	-8.67	-58.61	3.49	13.43	H
	9222	-60.06	-40	-20.06	-70.30	3.85	14.09	H
	11532	-57.09	-40	-17.09	-66.65	4.27	13.83	H
	4616	-59.93	-40	-19.93	-71.39	2.84	14.30	V
	6912	-44.00	-40	-4.00	-53.94	3.49	13.43	V
	9222	-58.67	-40	-18.67	-68.91	3.85	14.09	V
	11532	-54.32	-40	-14.32	-63.88	4.27	13.83	V

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

For Other PA:

LTE Band 30 / 5MHz / QPSK ANT4								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-59.40	-40	-19.40	-70.86	2.84	14.30	H
	6926	-44.01	-40	-4.01	-53.95	3.49	13.43	H
	9236	-61.43	-40	-21.43	-71.67	3.85	14.09	H
	11532	-59.72	-40	-19.72	-69.28	4.27	13.83	H
	4616	-59.17	-40	-19.17	-70.63	2.84	14.30	V
	6926	-46.02	-40	-6.02	-55.96	3.49	13.43	V
	9236	-60.00	-40	-20.00	-70.24	3.85	14.09	V
	11532	-58.32	-40	-18.32	-67.88	4.27	13.83	V

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

LTE Band 30 / 10MHz / QPSK ANT4								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-59.22	-40	-19.22	-70.68	2.84	14.30	H
	6912	-44.34	-40	-4.34	-54.28	3.49	13.43	H
	9222	-61.62	-40	-21.62	-71.86	3.85	14.09	H
	11532	-57.52	-40	-17.52	-67.08	4.27	13.83	H
	4616	-59.14	-40	-19.14	-70.60	2.84	14.30	V
	6912	-46.56	-40	-6.56	-56.50	3.49	13.43	V
	9222	-60.49	-40	-20.49	-70.73	3.85	14.09	V
	11532	-56.44	-40	-16.44	-66.00	4.27	13.83	V

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