

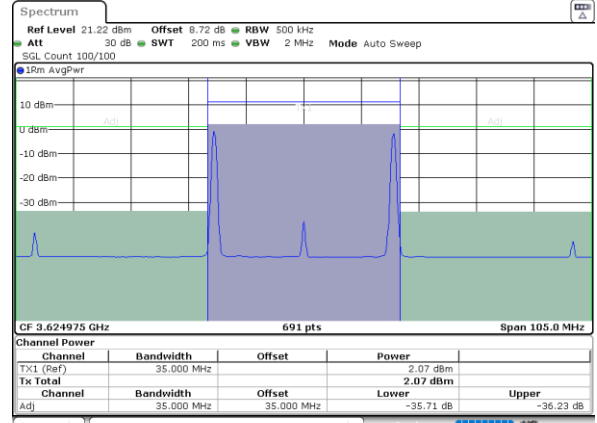
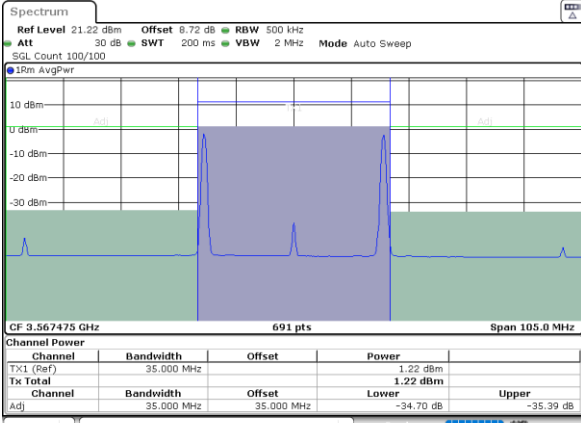


LTE Band 48C / 15MHz+20MHz

256QAM

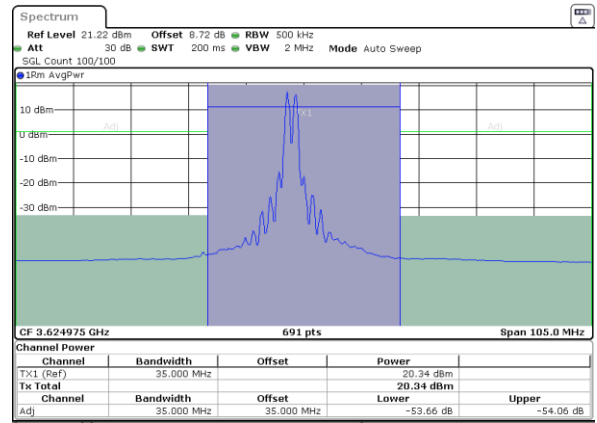
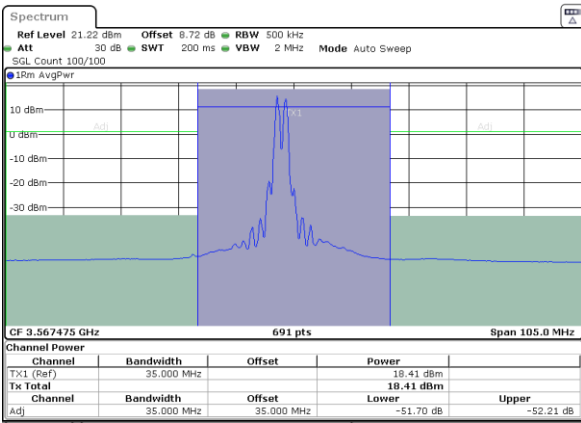
Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99



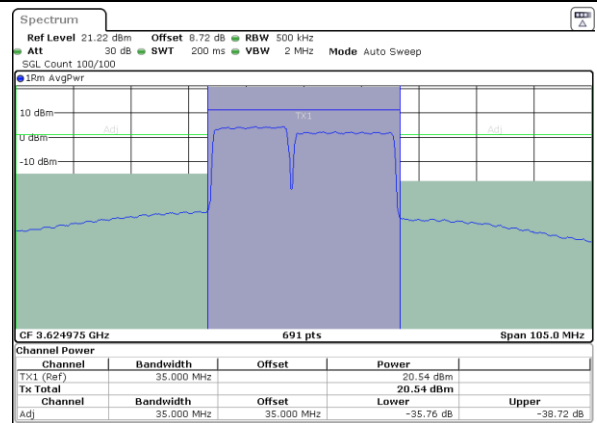
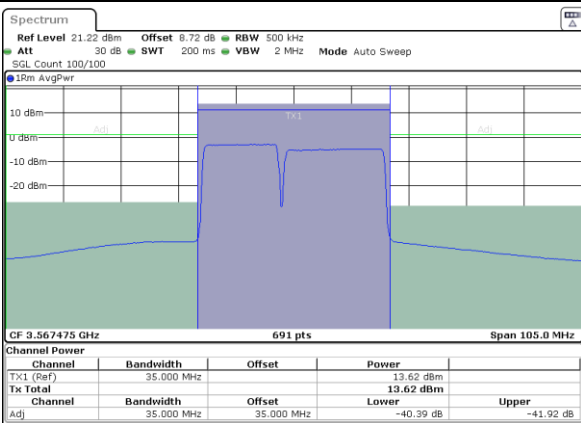
Lowest Band Edge / 1RB74 and 1RB0

Middle Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



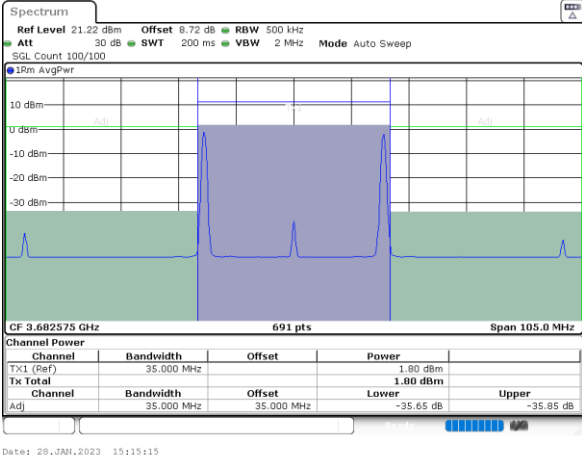


LTE Band 48C / 15MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

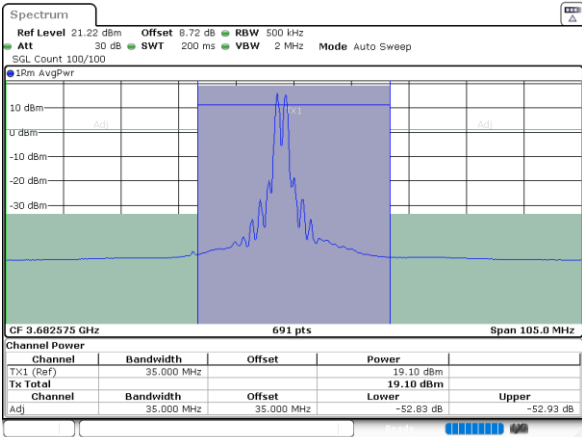
N/A



Date: 28_JAN_2023 15:15:15

Highest Band Edge / 1RB74 and 1RB0

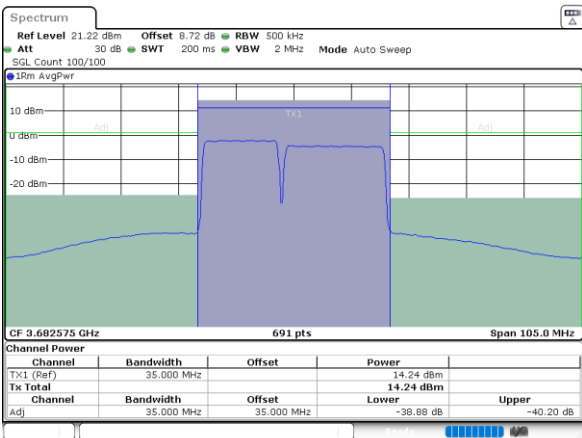
N/A



Date: 28_JAN_2023 15:12:19

Highest Band Edge / Full RB

N/A



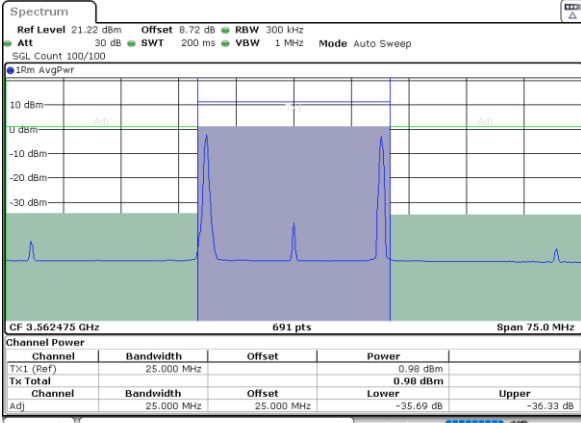
Date: 28_JAN_2023 15:18:11



LTE Band 48C/ 20MHz+5MHz

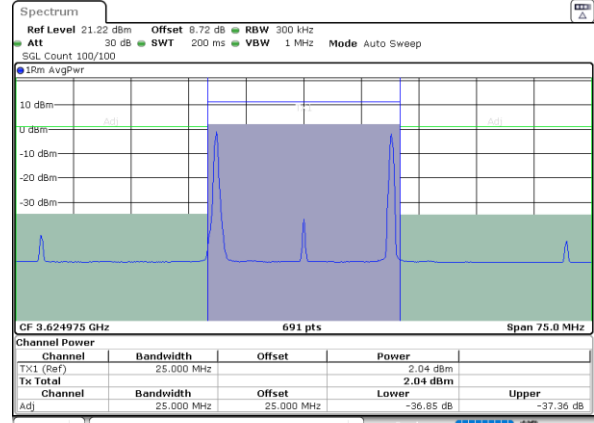
256QAM

Lowest Band Edge / 1RB0 and 1RB24



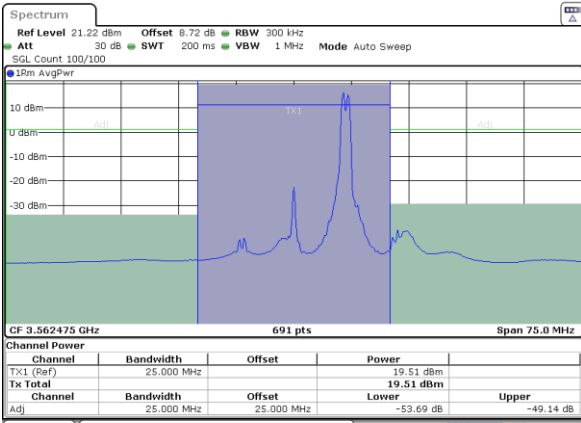
Date: 28_JAN,2023 15:28:36

Middle Band Edge / 1RB0 and 1RB24



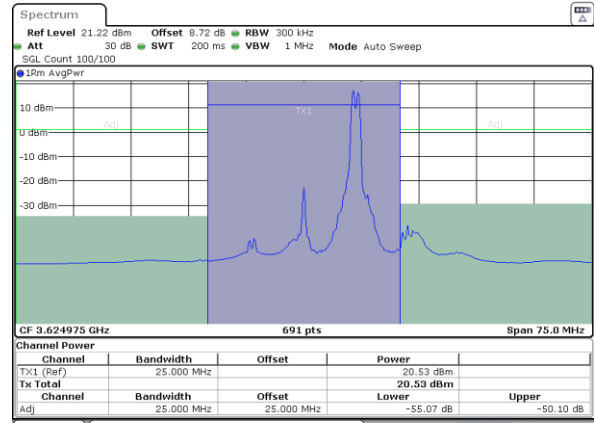
Date: 28_JAN,2023 15:37:30

Lowest Band Edge / 1RB99 and 1RB0



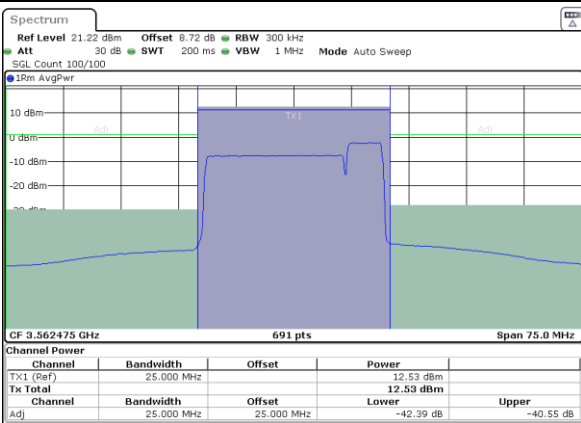
Date: 28_JAN,2023 15:31:52

Middle Band Edge / 1RB99 and 1RB0



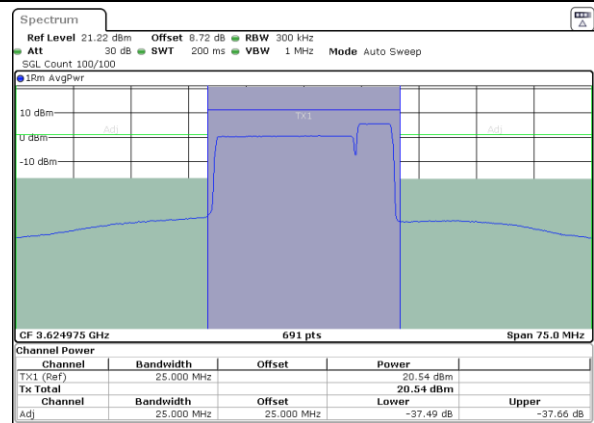
Date: 28_JAN,2023 15:40:26

Lowest Band Edge / Full RB



Date: 28_JAN,2023 15:25:40

Middle Band Edge / Full RB



Date: 28_JAN,2023 15:34:34

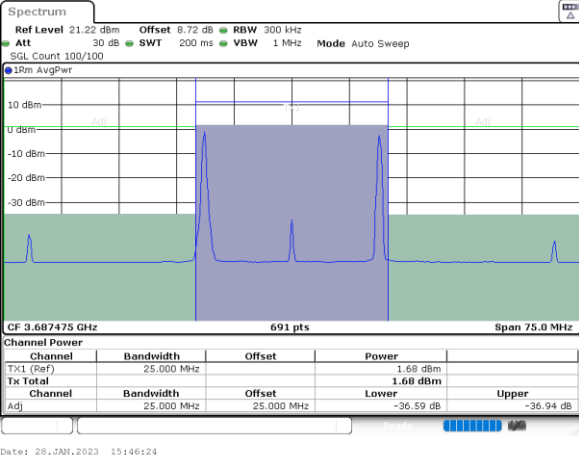


LTE Band 48C / 20MHz+5MHz

256QAM

Highest Band Edge / 1RB0 and 1RB24

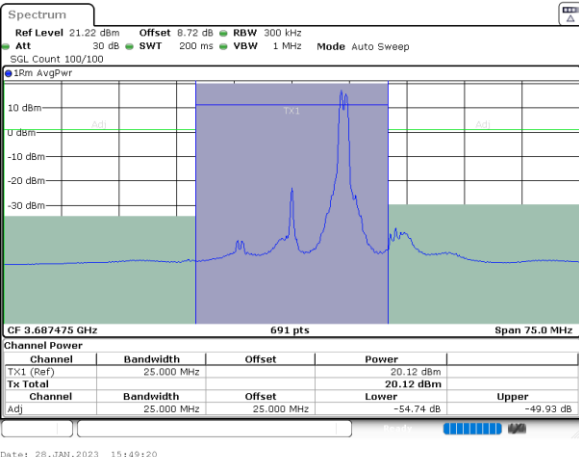
N/A



Date: 28_JAN_2023 15:46:24

Highest Band Edge / 1RB99 and 1RB0

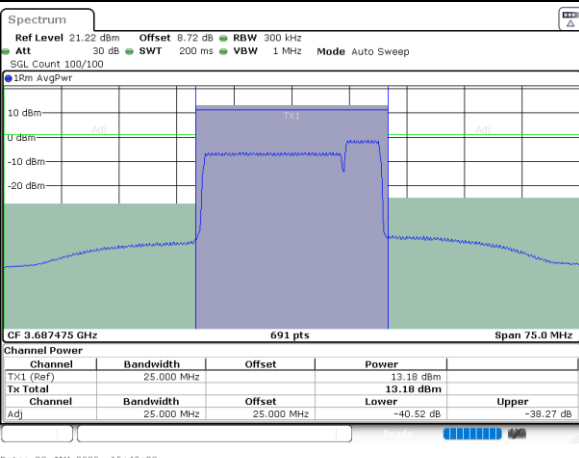
N/A



Date: 28_JAN_2023 15:49:20

Highest Band Edge / Full RB

N/A



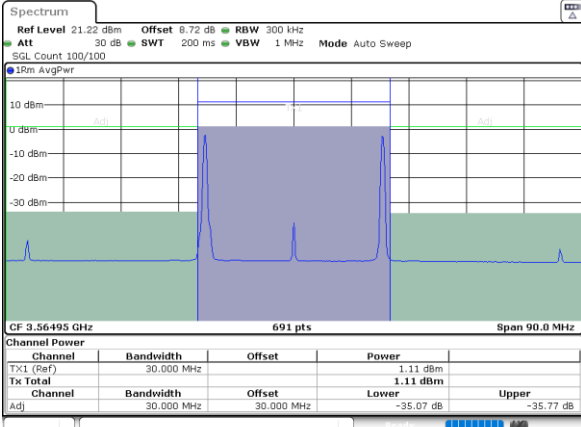
Date: 28_JAN_2023 15:43:28



LTE Band 48C / 20MHz+10MHz

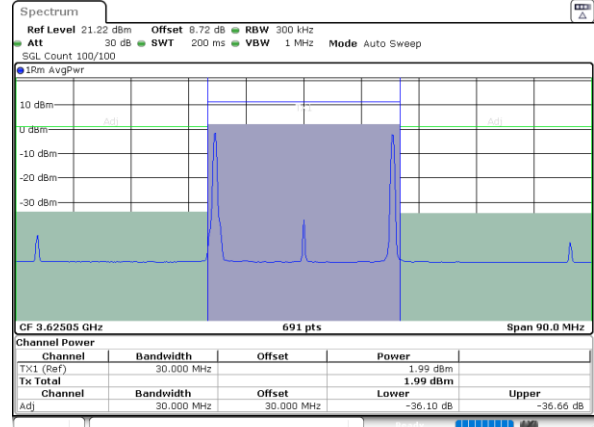
256QAM

Lowest Band Edge / 1RB0 and 1RB49



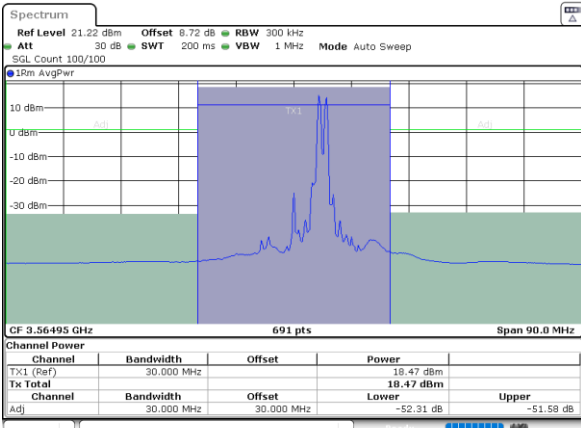
Date: 28_JAN_2023 15:55:19

Middle Band Edge / 1RB0 and 1RB49



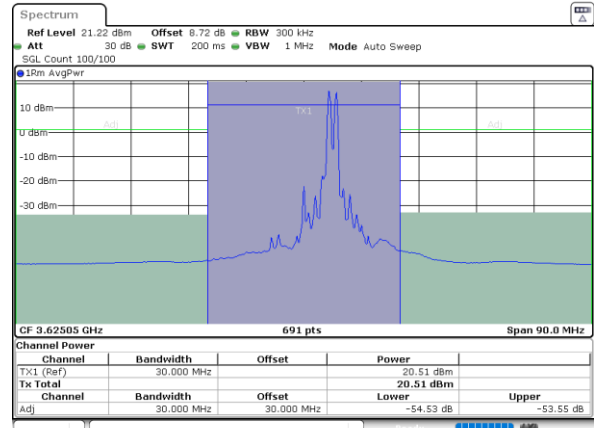
Date: 28_JAN_2023 16:04:13

Lowest Band Edge / 1RB99 and 1RB0



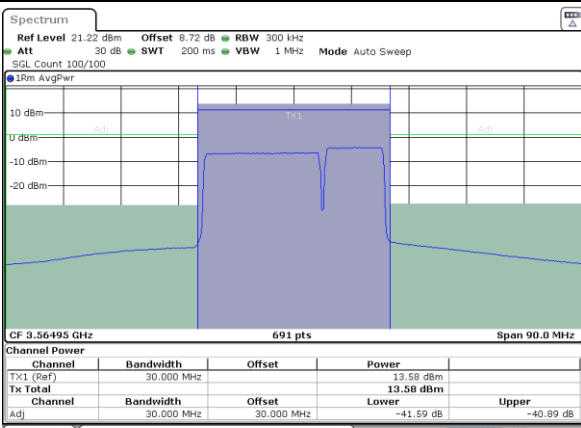
Date: 28_JAN_2023 15:58:15

Middle Band Edge / 1RB99 and 1RB0



Date: 28_JAN_2023 16:07:08

Lowest Band Edge / Full RB



Date: 28_JAN_2023 15:52:23

Middle Band Edge / Full RB



Date: 28_JAN_2023 16:01:17

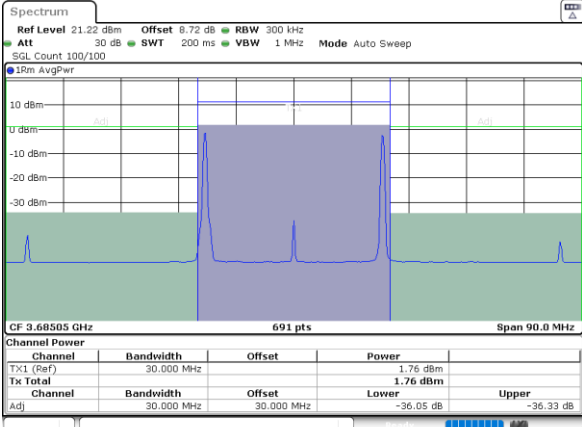


LTE Band 48C / 20MHz+10MHz

256QAM

Highest Band Edge / 1RB0 and 1RB49

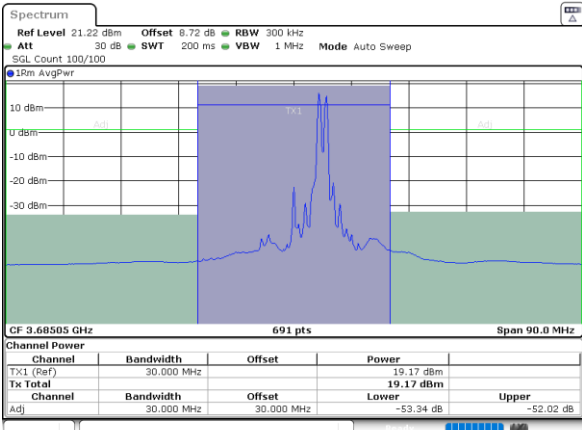
N/A



Date: 28_JAN_2023 16:13:06

Highest Band Edge / 1RB99 and 1RB0

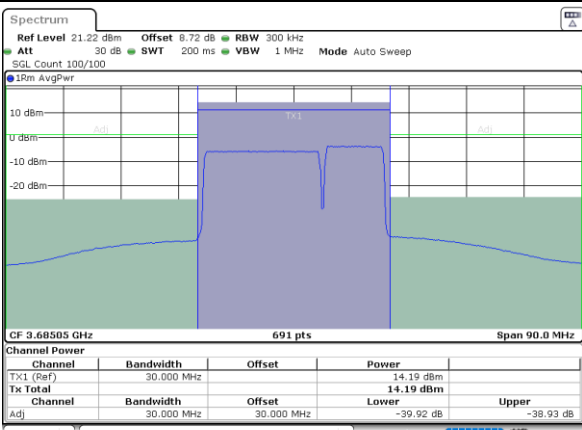
N/A



Date: 28_JAN_2023 16:16:03

Highest Band Edge / Full RB

N/A



Date: 28_JAN_2023 16:10:10

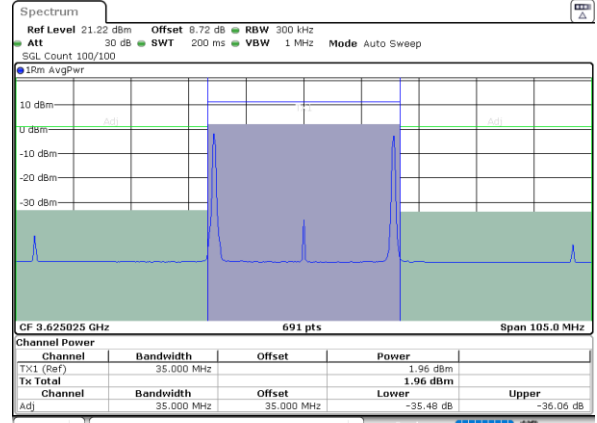
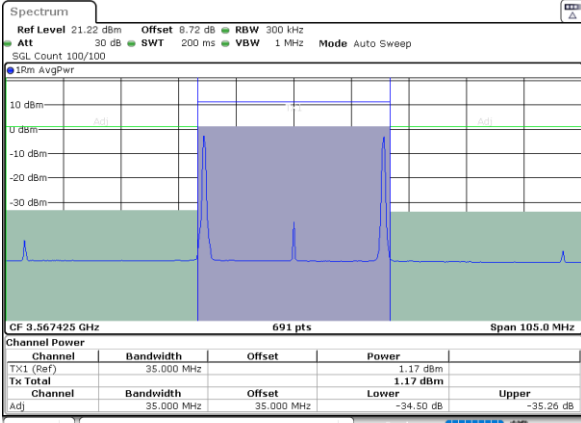


LTE Band 48C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Middle Band Edge / 1RB0 and 1RB74

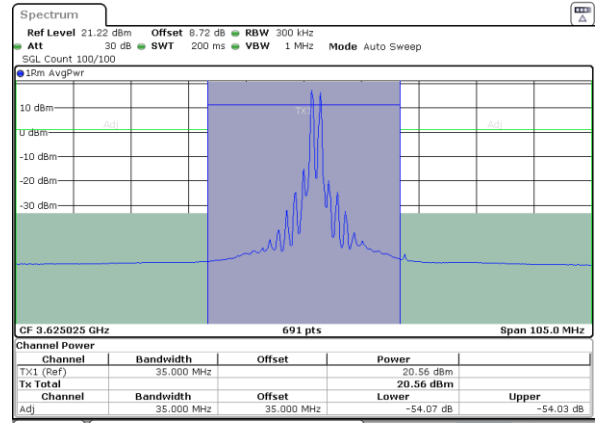
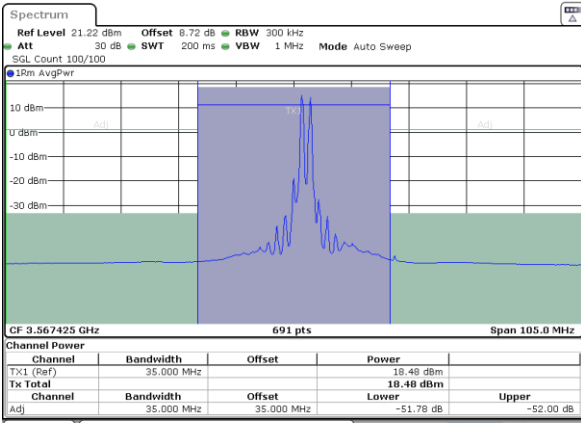


Date: 28_JAN,2023 16:22:03

Date: 28_JAN,2023 16:30:58

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

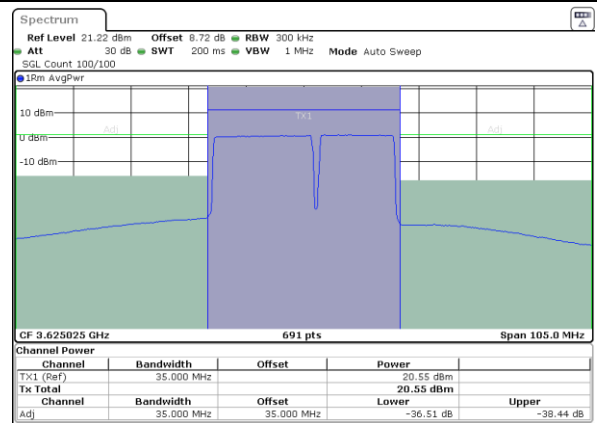
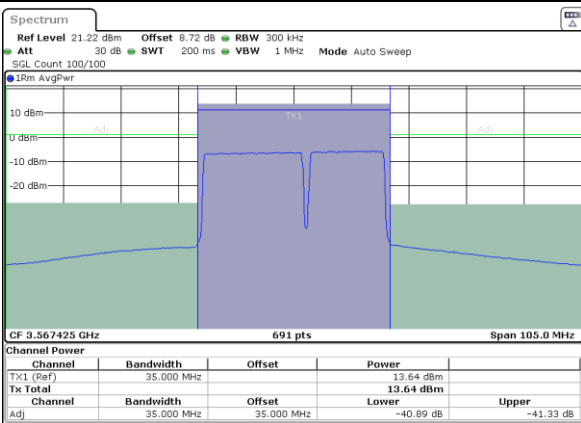


Date: 28_JAN,2023 16:24:59

Date: 28_JAN,2023 16:33:54

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 28_JAN,2023 16:19:06

Date: 28_JAN,2023 16:28:01

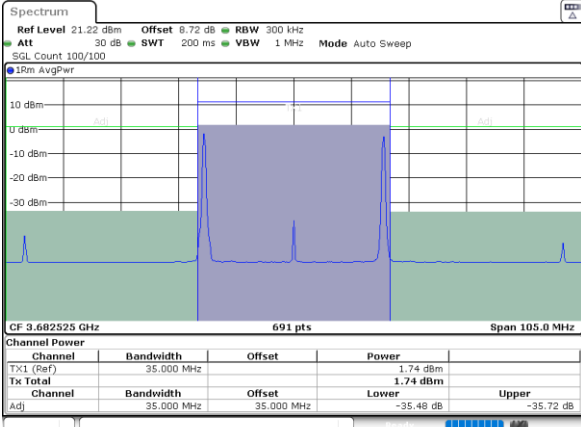


LTE Band 48C / 20MHz+15MHz

256QAM

Highest Band Edge / 1RB0 and 1RB74

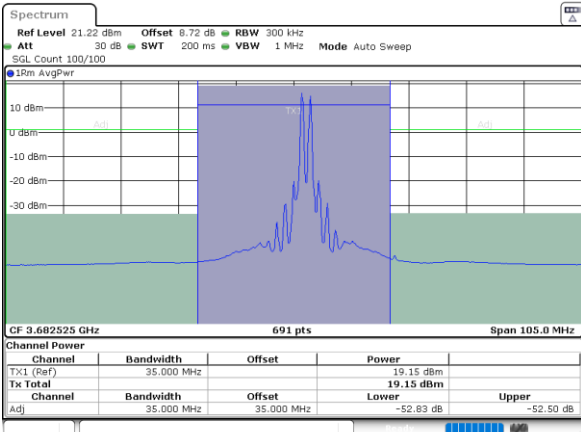
N/A



Date: 28 JAN 2023 16:39:53

Highest Band Edge / 1RB99 and 1RB0

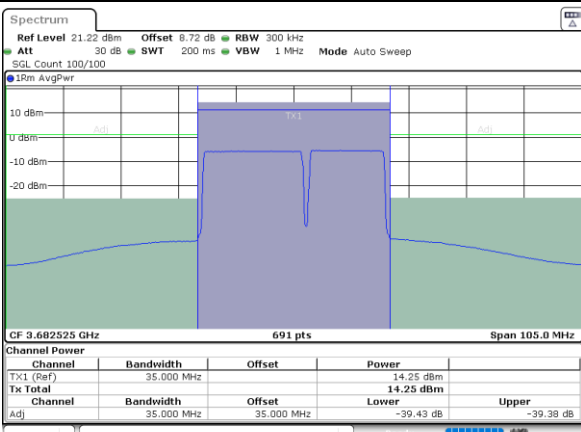
N/A



Date: 28 JAN 2023 16:42:49

Highest Band Edge / Full RB

N/A



Date: 28 JAN 2023 16:36:57

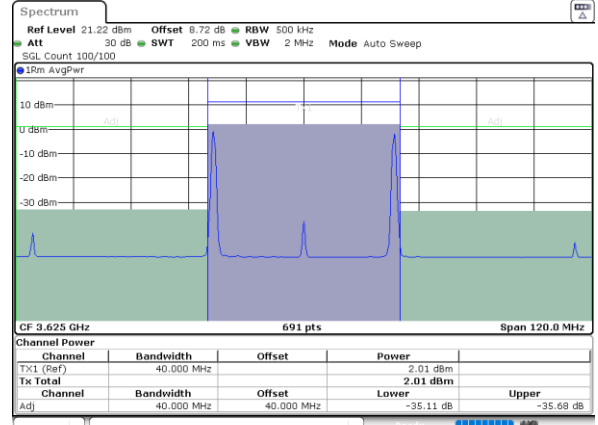
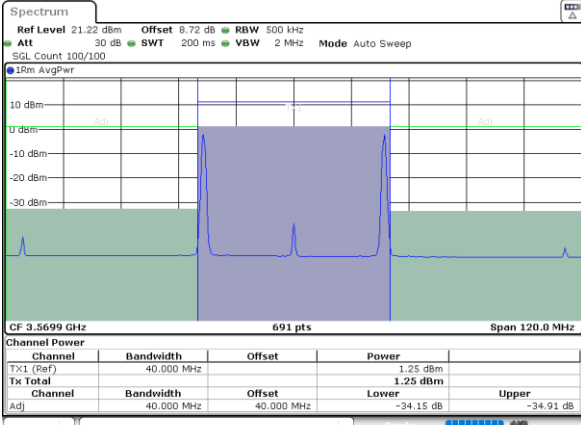


LTE Band 48C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

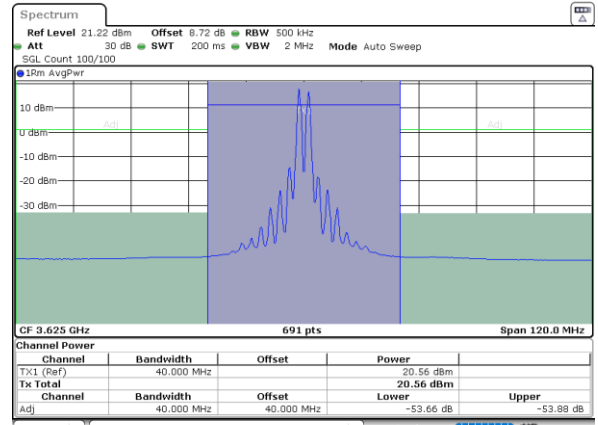
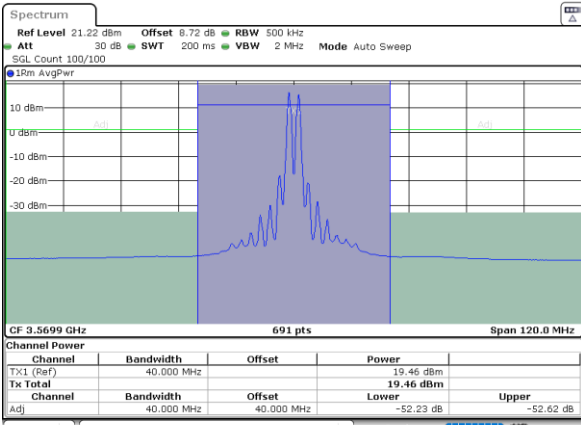


Date: 28_JAN,2023 16:48:50

Date: 28_JAN,2023 16:57:46

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

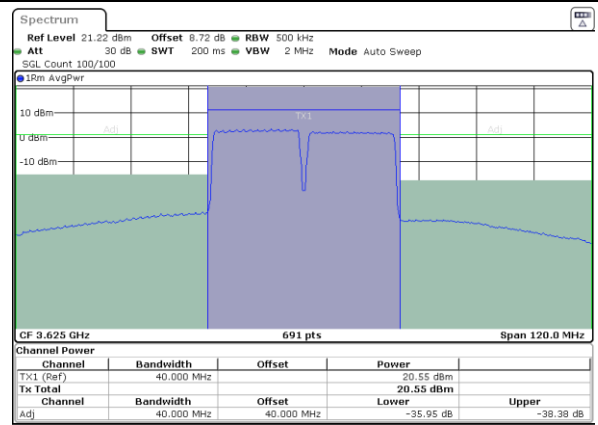
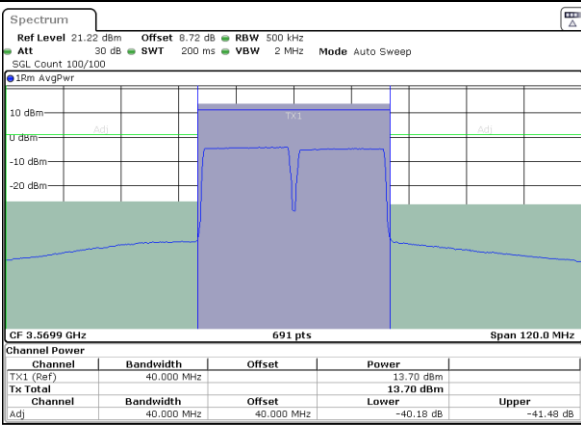


Date: 28_JAN,2023 16:51:46

Date: 28_JAN,2023 16:54:49

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 28_JAN,2023 16:45:53

Date: 28_JAN,2023 17:00:43

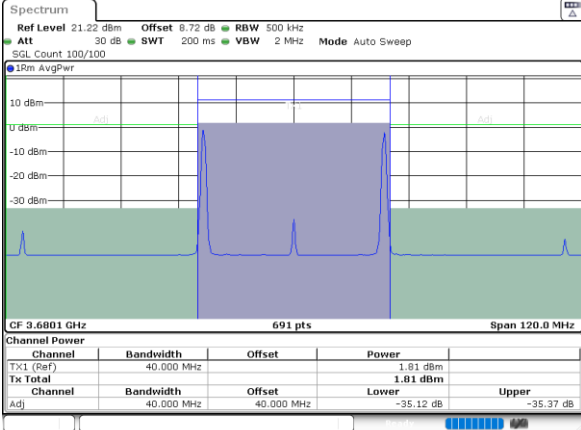


LTE Band 48C / 20MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

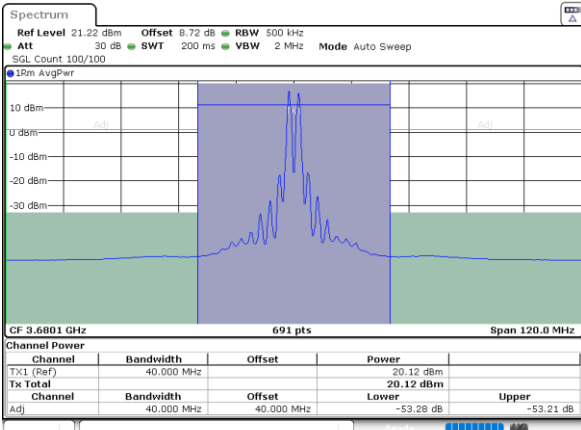
N/A



Date: 28_JAN_2023 17:06:43

Highest Band Edge / 1RB99 and 1RB0

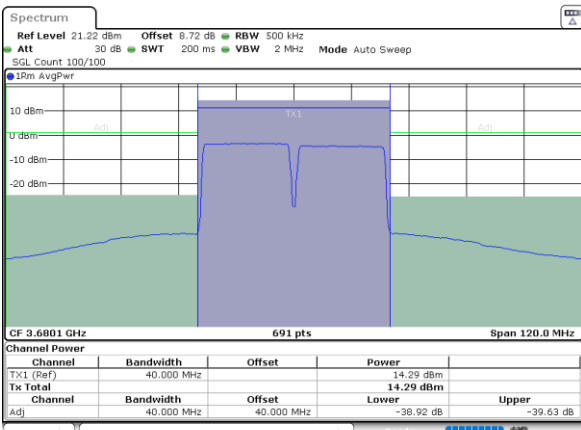
N/A



Date: 28_JAN_2023 17:09:40

Highest Band Edge / Full RB

N/A



Date: 28_JAN_2023 17:03:46



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0086	PASS
40	Normal Voltage	0.0132	
30	Normal Voltage	0.0065	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0117	
0	Normal Voltage	0.0173	
-10	Normal Voltage	0.0138	
-20	Normal Voltage	0.0224	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0139	
20	Normal Voltage	0.0127	
20	Battery End Point	0.0115	

Note:

- 1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.5 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 :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 48 / 20MHz / QPSK / Ant.3									
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)
Lowest	7302.00	-58.05	-40	-18.05	-66.86	-61.38	8.25	11.58	H
	10953.00	-54.59	-40	-14.59	-68.75	-56.14	10.45	12.00	H
	14604.00	-53.07	-40	-13.07	-69.60	-54.78	11.74	13.45	H
	7302.00	-57.42	-40	-17.42	-67.18	-60.75	8.25	11.58	V
	10953.00	-52.16	-40	-12.16	-68.04	-53.71	10.45	12.00	V
	14604.00	-53.54	-40	-13.54	-69.91	-55.25	11.74	13.45	V
Middle	7332.00	-57.64	-40	-17.64	-66.48	-60.94	8.30	11.60	H
	10998.00	-54.58	-40	-14.58	-68.97	-56.10	10.48	12.00	H
	14664.00	-53.54	-40	-13.54	-70.25	-55.24	11.80	13.50	H
	7332.00	-56.82	-40	-16.82	-66.41	-60.12	8.30	11.60	V
	10998.00	-53.42	-40	-13.42	-68.57	-54.94	10.48	12.00	V
	14664.00	-53.83	-40	-13.83	-70.52	-55.53	11.80	13.50	V
Highest	7362.00	-56.21	-40	-16.21	-65.12	-59.51	8.32	11.62	H
	11043.00	-54.93	-40	-14.93	-69.31	-56.61	10.52	12.20	H
	14724.00	-53.59	-40	-13.59	-70.43	-55.29	11.85	13.55	H
	7362.00	-56.98	-40	-16.98	-66.25	-60.28	8.32	11.62	V
	11043.00	-53.26	-40	-13.26	-68.99	-54.94	10.52	12.20	V
	14724.00	-53.41	-40	-13.41	-70.34	-55.11	11.85	13.55	V

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



LTE Band CA_48C / 20MHz + 20MHz / QPSK / Ant.3									
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)
Lowest	7102.50	-54.47	-40	-14.47	-62.66	-57.80	8.25	11.58	H
	10653.75	-54.58	-40	-14.58	-67.46	-56.13	10.45	12.00	H
	14205.00	-53.68	-40	-13.68	-69.56	-55.39	11.74	13.45	H
	7102.50	-53.53	-40	-13.53	-62.88	-56.86	8.25	11.58	V
	10653.75	-52.62	-40	-12.62	-67.96	-54.17	10.45	12.00	V
	14205.00	-54.53	-40	-14.53	-69.80	-56.24	11.74	13.45	V
Middle	7209.50	-55.94	-40	-15.94	-64.55	-59.24	8.30	11.60	H
	10814.25	-54.14	-40	-14.14	-67.70	-55.66	10.48	12.00	H
	14419.00	-53.24	-40	-13.24	-69.40	-54.94	11.80	13.50	H
	7209.50	-53.37	-40	-13.37	-64.11	-56.67	8.30	11.60	V
	10814.25	-52.67	-40	-12.67	-67.82	-54.19	10.48	12.00	V
	14419.00	-53.67	-40	-13.67	-69.37	-55.37	11.80	13.50	V
Highest	7322.40	-56.31	-40	-16.31	-65.15	-59.61	8.32	11.62	H
	10983.60	-53.91	-40	-13.91	-68.22	-55.59	10.52	12.20	H
	14644.80	-52.94	-40	-12.94	-69.61	-54.64	11.85	13.55	H
	7322.40	-56.58	-40	-16.58	-66.17	-59.88	8.32	11.62	V
	10983.60	-53.05	-40	-13.05	-68.11	-54.73	10.52	12.20	V
	14644.80	-52.92	-40	-12.92	-69.53	-54.62	11.85	13.55	V

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