

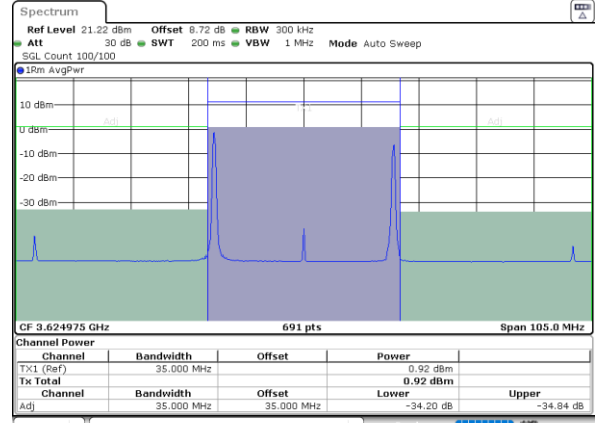
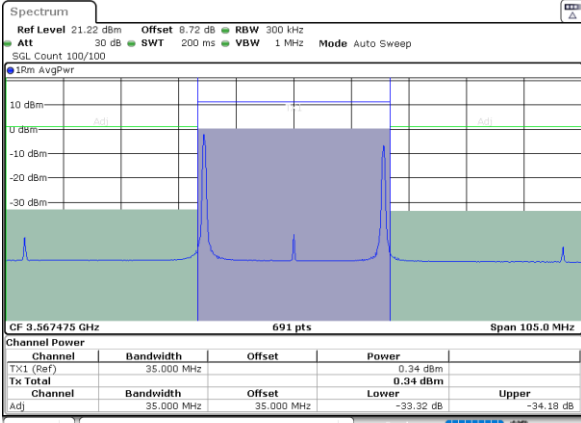


LTE Band 48C / 15MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

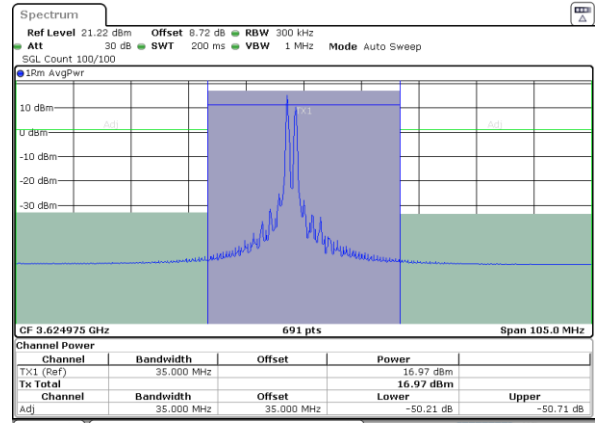
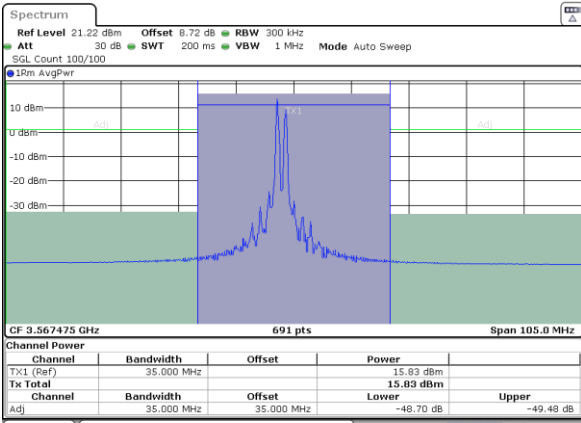


Date: 28.FEB.2023 19:24:01

Date: 24.FEB.2023 00:05:47

Lowest Band Edge / 1RB74 and 1RB0

Middle Band Edge / 1RB74 and 1RB0

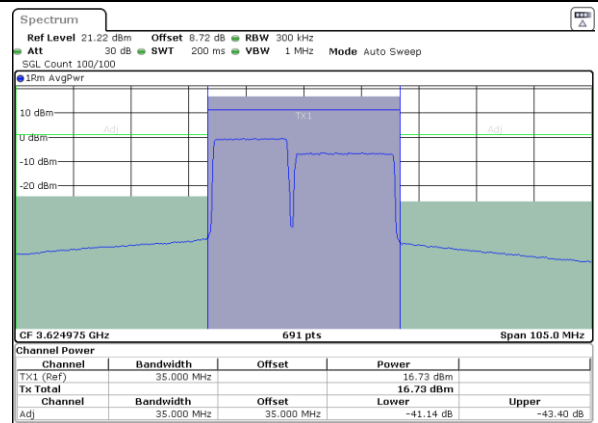


Date: 23.FEB.2023 23:54:11

Date: 24.FEB.2023 00:09:36

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 24.FEB.2023 00:00:19

Date: 24.FEB.2023 00:03:29

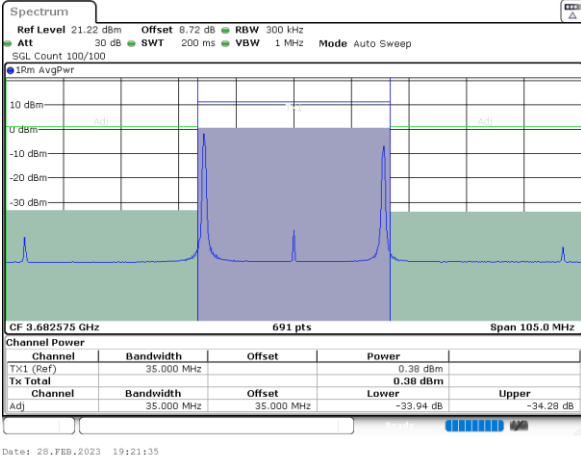


LTE Band 48C / 15MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

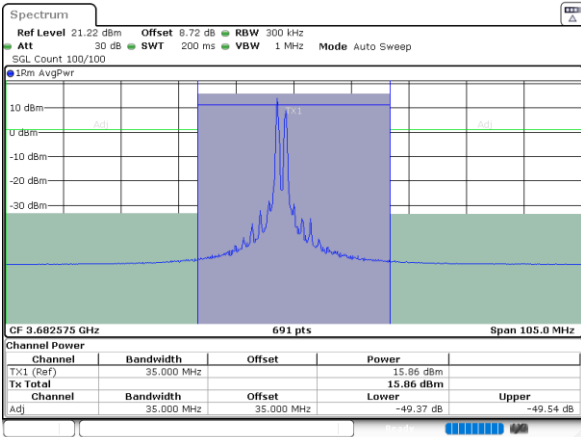
N/A



Date: 28.FEB.2023 19:21:35

Highest Band Edge / 1RB74 and 1RB0

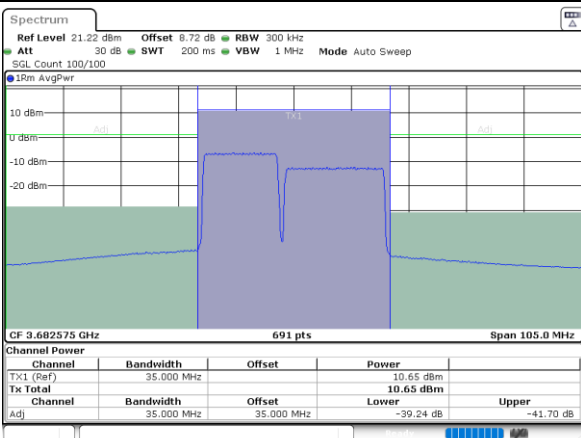
N/A



Date: 24.FEB.2023 00:12:45

Highest Band Edge / Full RB

N/A



Date: 24.FEB.2023 00:18:53

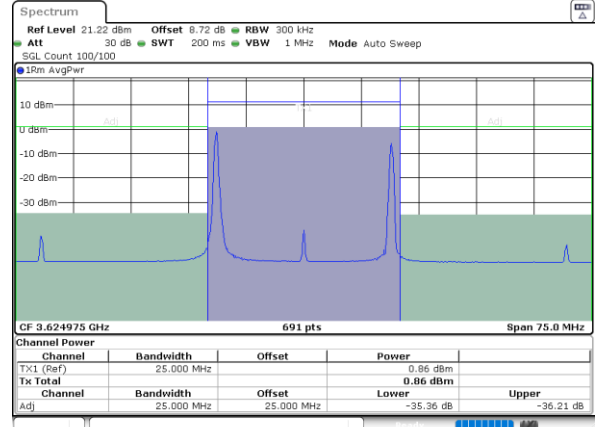
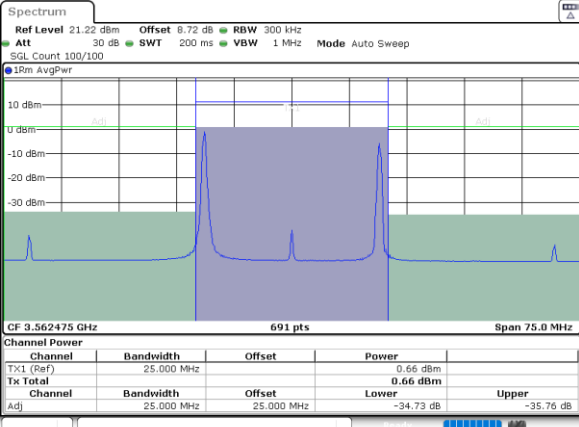


LTE Band 48C/ 20MHz+5MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB24

Middle Band Edge / 1RB0 and 1RB24

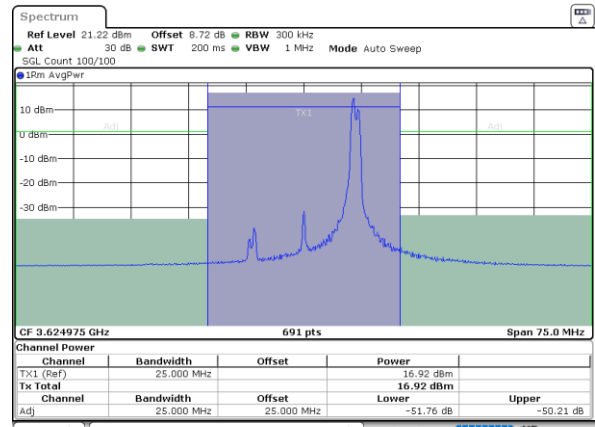
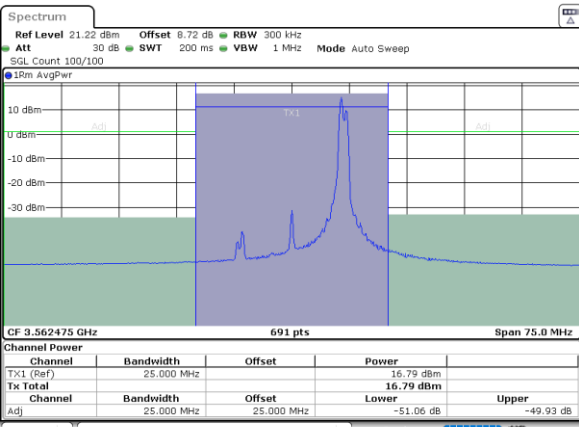


Date: 28.FEB.2023 19:37:37

Date: 28.FEB.2023 19:36:35

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

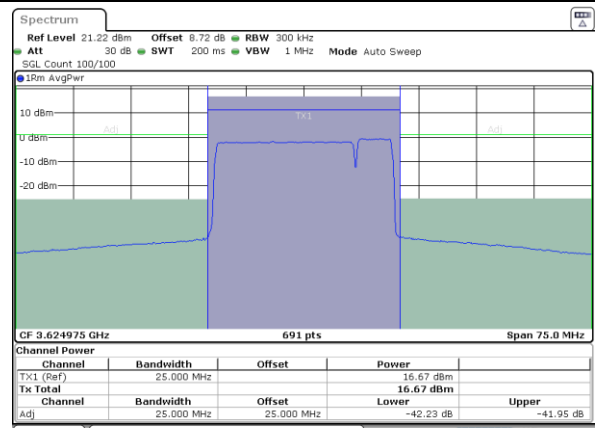
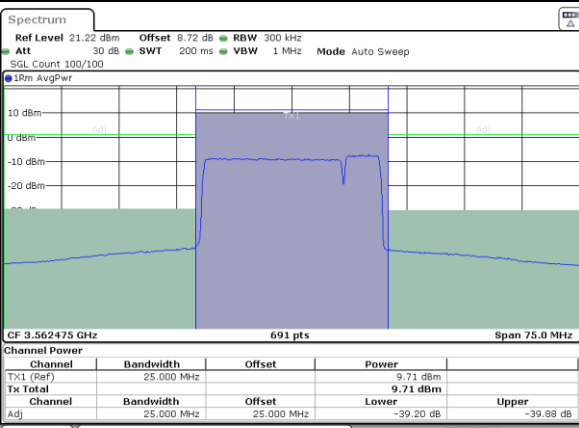


Date: 24.FEB.2023 00:28:11

Date: 24.FEB.2023 00:37:29

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 24.FEB.2023 00:22:03

Date: 24.FEB.2023 00:31:22

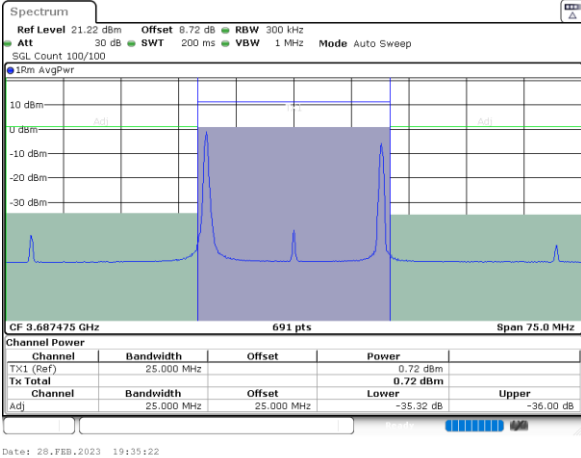


LTE Band 48C / 20MHz+5MHz

256QAM

Highest Band Edge / 1RB0 and 1RB24

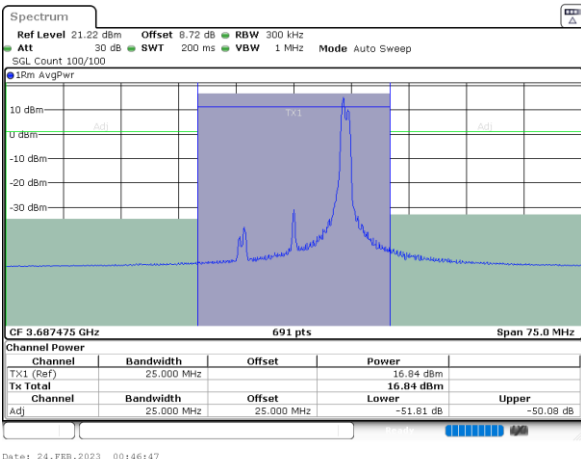
N/A



Date: 28.FEB.2023 19:35:22

Highest Band Edge / 1RB99 and 1RB0

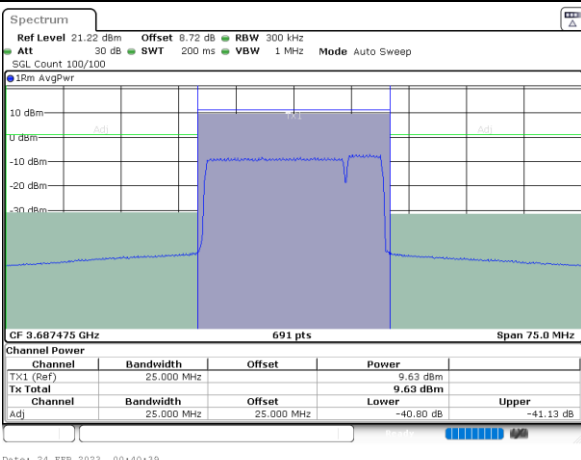
N/A



Date: 24.FEB.2023 00:46:47

Highest Band Edge / Full RB

N/A



Date: 24.FEB.2023 00:40:39

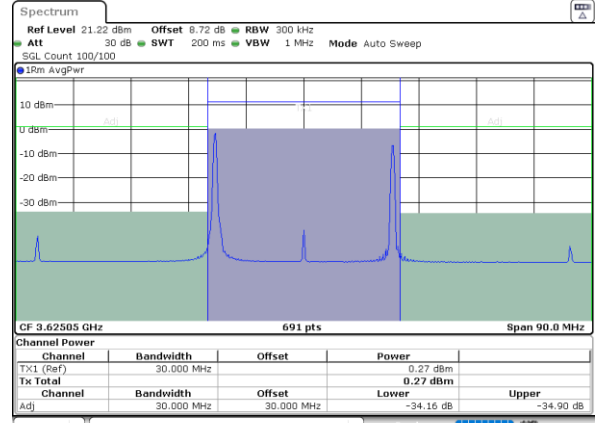
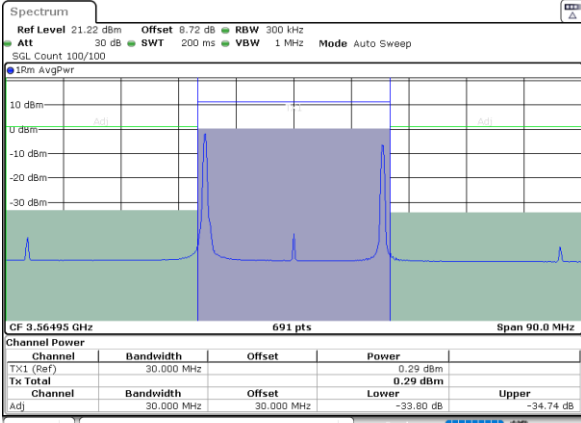


LTE Band 48C / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

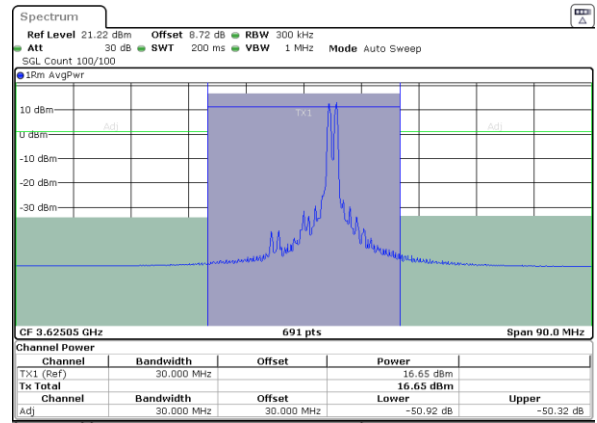
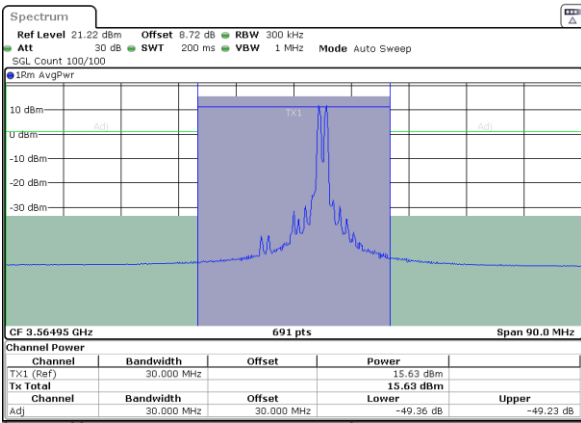


Date: 28.FEB.2023 19:28:28

Date: 28.FEB.2023 19:27:09

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

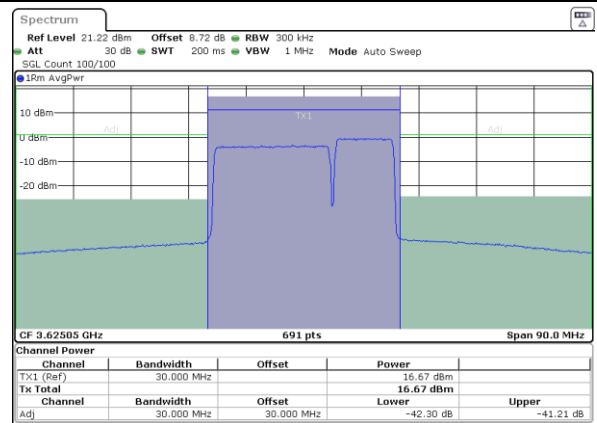
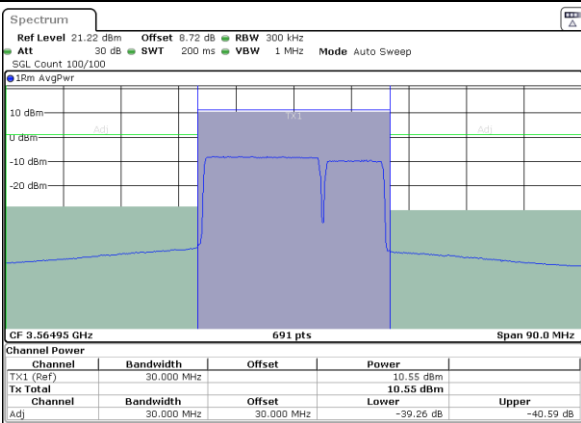


Date: 24.FEB.2023 00:56:05

Date: 24.FEB.2023 01:05:23

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 24.FEB.2023 00:49:57

Date: 24.FEB.2023 00:59:16

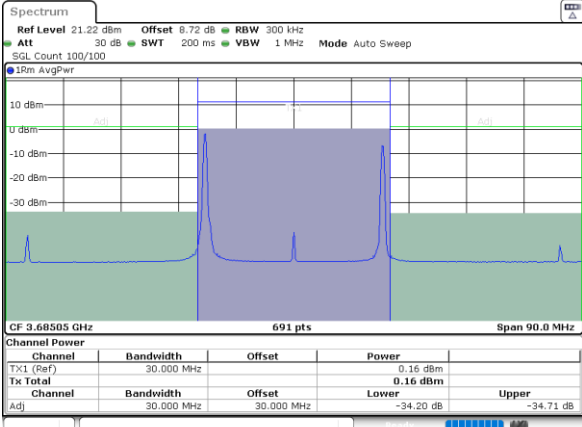


LTE Band 48C / 20MHz+10MHz

256QAM

Highest Band Edge / 1RB0 and 1RB49

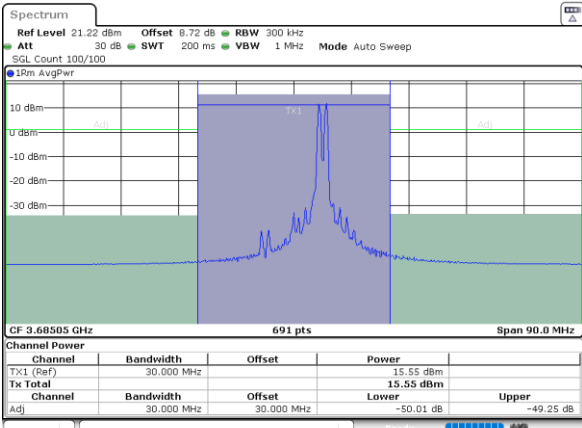
N/A



Date: 28.FEB.2023 19:25:58

Highest Band Edge / 1RB99 and 1RB0

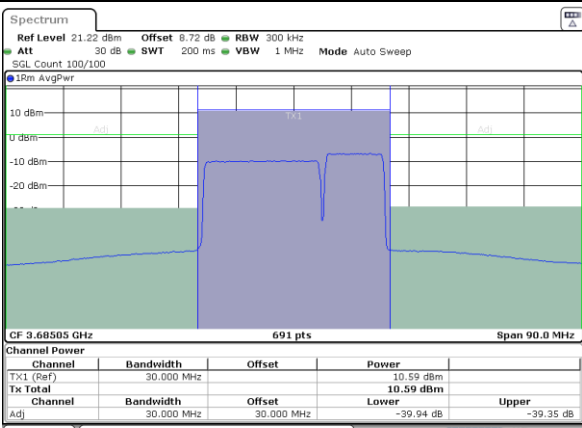
N/A



Date: 24.FEB.2023 01:14:41

Highest Band Edge / Full RB

N/A



Date: 24.FEB.2023 01:08:33

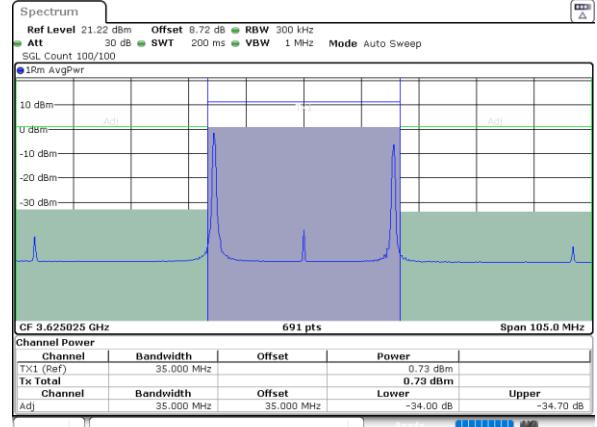
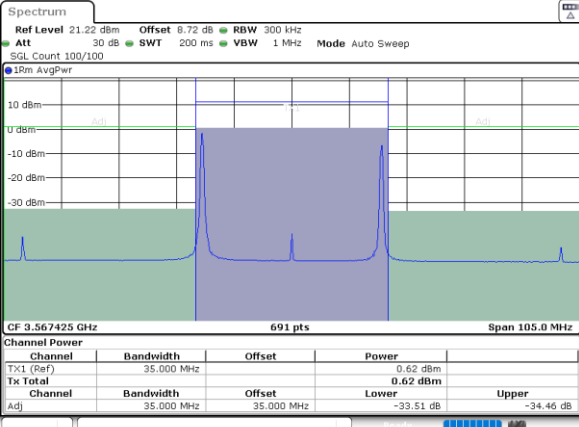


LTE Band 48C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Middle Band Edge / 1RB0 and 1RB74

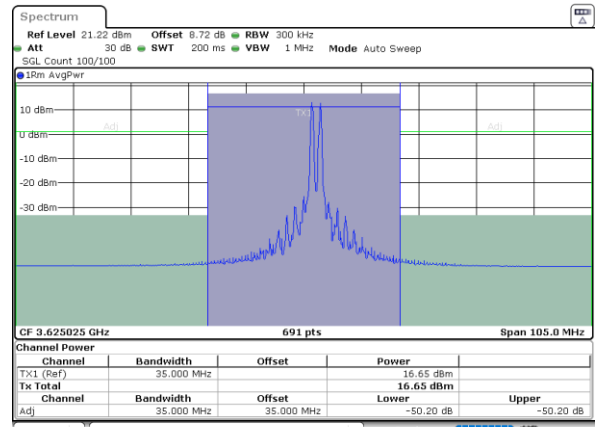
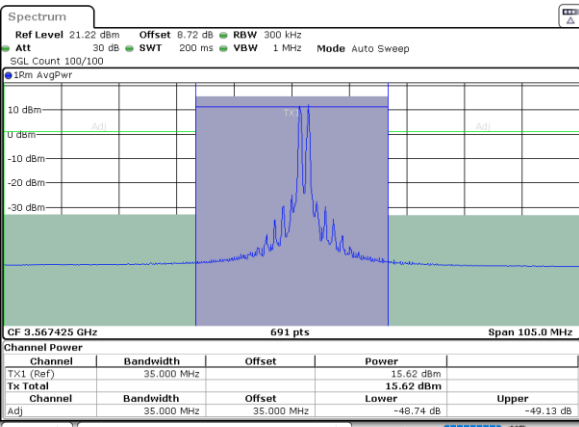


Date: 28.FEB.2023 19:19:53

Date: 28.FEB.2023 19:18:40

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

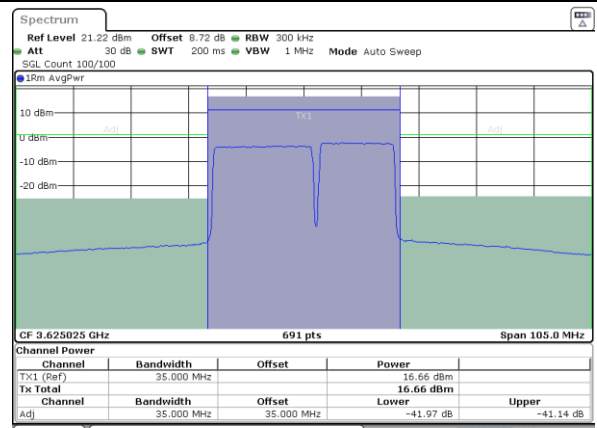
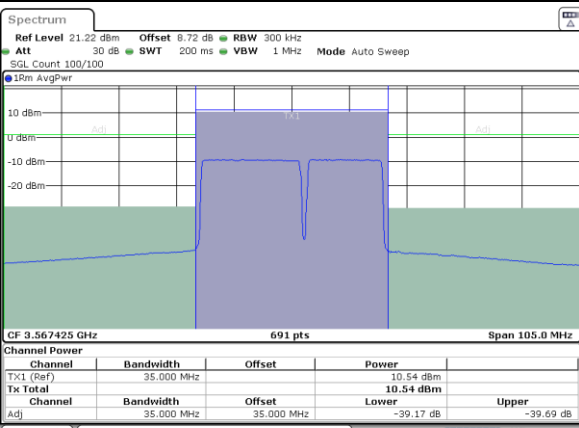


Date: 24.FEB.2023 01:23:59

Date: 24.FEB.2023 01:33:16

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 24.FEB.2023 01:17:52

Date: 24.FEB.2023 01:27:09

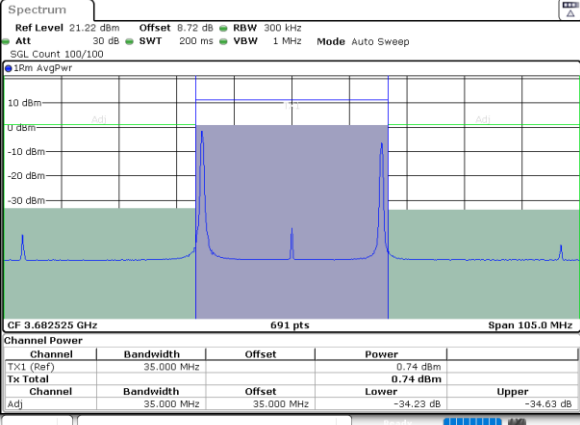


LTE Band 48C / 20MHz+15MHz

256QAM

Highest Band Edge / 1RB0 and 1RB74

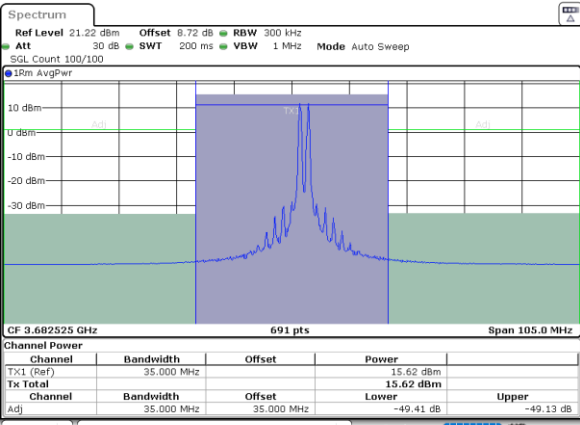
N/A



Date: 28.FEB.2023 19:17:04

Highest Band Edge / 1RB99 and 1RB0

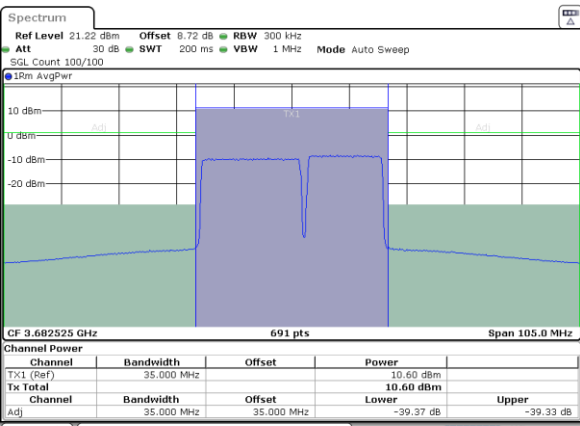
N/A



Date: 24.FEB.2023 01:42:34

Highest Band Edge / Full RB

N/A



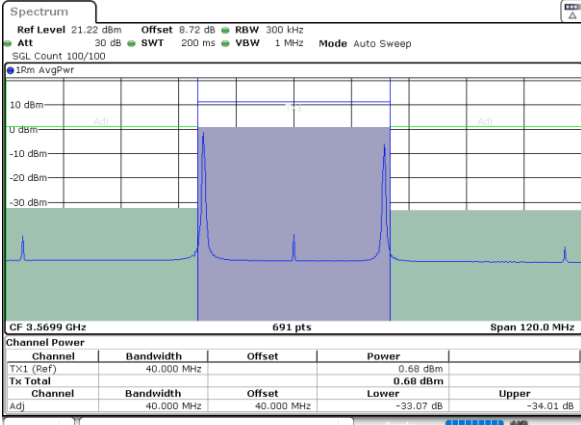
Date: 24.FEB.2023 01:36:26



LTE Band 48C / 20MHz+20MHz

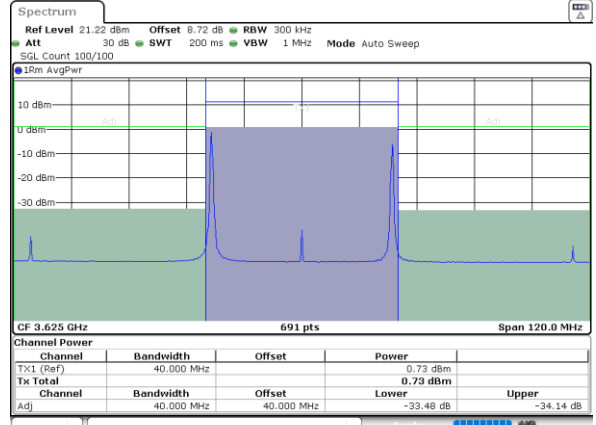
256QAM

Lowest Band Edge / 1RB0 and 1RB99



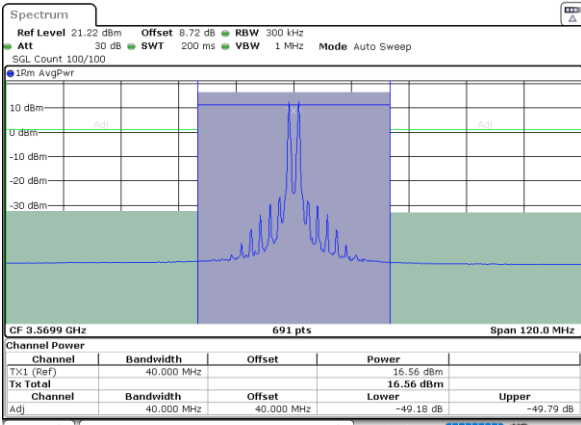
Date: 28.FEB.2023 19:15:53

Middle Band Edge / 1RB0 and 1RB99



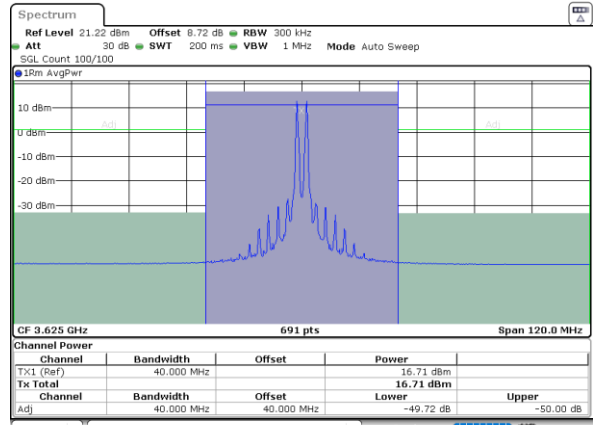
Date: 28.FEB.2023 19:14:50

Lowest Band Edge / 1RB99 and 1RB0



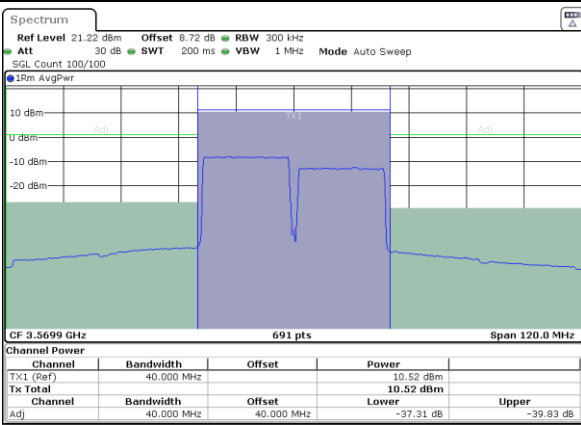
Date: 24.FEB.2023 01:51:52

Middle Band Edge / 1RB99 and 1RB0



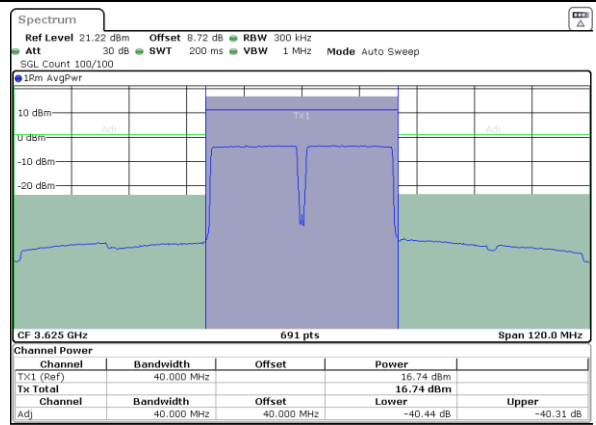
Date: 24.FEB.2023 01:55:02

Lowest Band Edge / Full RB



Date: 24.FEB.2023 01:45:44

Middle Band Edge / Full RB



Date: 24.FEB.2023 02:01:09

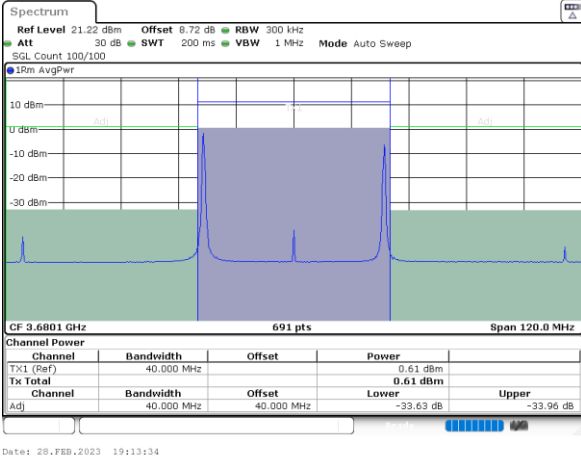


LTE Band 48C / 20MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

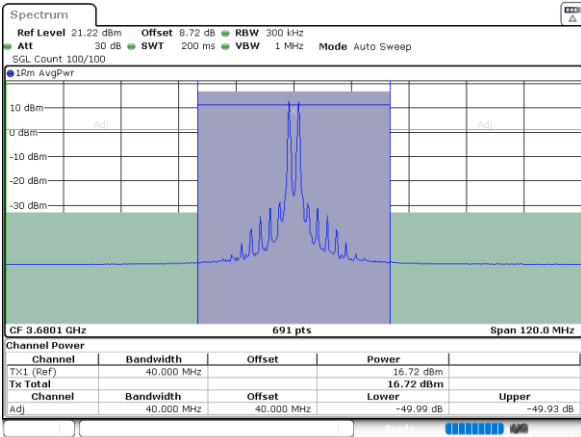
N/A



Date: 28.FEB.2023 19:13:34

Highest Band Edge / 1RB99 and 1RB0

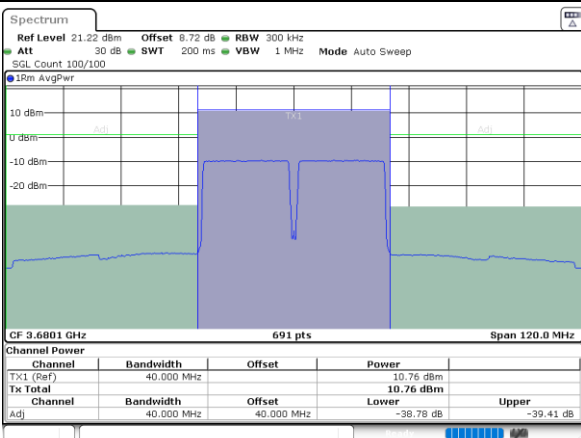
N/A



Date: 24.FEB.2023 02:10:26

Highest Band Edge / Full RB

N/A



Date: 24.FEB.2023 02:04:19

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	0.0122	PASS
40	Normal Voltage	0.0117	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0223	
0	Normal Voltage	0.0218	
-10	Normal Voltage	0.0105	
-20	Normal Voltage	0.0352	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0128	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45V. ; Maximum Voltage =4.41 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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 48 / 20MHz / QPSK / Ant.5								
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	7102	-58.38	-40	-18.38	-69.84	2.84	14.30	H
	10650	-57.55	-40	-17.55	-67.49	3.49	13.43	H
	14205	-58.14	-40	-18.14	-68.38	3.85	14.09	H
	7102	-57.10	-40	-17.10	-68.56	2.84	14.30	V
	10650	-58.08	-40	-18.08	-68.02	3.49	13.43	V
	14205	-58.83	-40	-18.83	-69.07	3.85	14.09	V
Middle	7230	-58.13	-40	-18.13	-69.59	2.84	14.30	H
	10845	-58.12	-40	-18.12	-68.06	3.49	13.43	H
	14460	-56.45	-40	-16.45	-66.69	3.85	14.09	H
	7230	-59.04	-40	-19.04	-70.50	2.84	14.30	V
	10845	-58.70	-40	-18.70	-68.64	3.49	13.43	V
	14460	-58.11	-40	-18.11	-68.35	3.85	14.09	V
Highest	7365	-59.48	-40	-19.48	-70.94	2.84	14.30	H
	11040	-59.04	-40	-19.04	-68.98	3.49	13.43	H
	14730	-56.37	-40	-16.37	-66.61	3.85	14.09	H
	7365	-58.35	-40	-18.35	-69.81	2.84	14.30	V
	11040	-59.37	-40	-19.37	-69.31	3.49	13.43	V
	14730	-57.62	-40	-17.62	-67.86	3.85	14.09	V

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



PCC 1RB0:

LTE Band CA_48C / 20MHz + 20MHz / QPSK / Ant.5								
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	7104	-63.24	-40	-23.24	-74.70	2.84	14.30	H
	10656	-59.85	-40	-19.85	-69.79	3.49	13.43	H
	14202	-59.84	-40	-19.84	-70.08	3.85	14.09	H
	7104	-63.06	-40	-23.06	-74.52	2.84	14.30	V
	10656	-60.28	-40	-20.28	-70.22	3.49	13.43	V
	14202	-59.77	-40	-19.77	-70.01	3.85	14.09	V
Middle	7218	-62.31	-40	-22.31	-73.77	2.84	14.30	H
	10824	-60.19	-40	-20.19	-70.13	3.49	13.43	H
	14436	-59.80	-40	-19.80	-70.04	3.85	14.09	H
	7218	-62.16	-40	-22.16	-73.62	2.84	14.30	V
	10824	-59.97	-40	-19.97	-69.91	3.49	13.43	V
	14436	-59.68	-40	-19.68	-69.92	3.85	14.09	V
Highest	7224	-62.46	-40	-22.46	-73.92	2.84	14.30	H
	10836	-60.34	-40	-20.34	-70.28	3.49	13.43	H
	14442	-59.52	-40	-19.52	-69.76	3.85	14.09	H
	7224	-62.39	-40	-22.39	-73.85	2.84	14.30	V
	10836	-60.46	-40	-20.46	-70.40	3.49	13.43	V
	14442	-60.01	-40	-20.01	-70.25	3.85	14.09	V

SCC 1RBMAX:

LTE Band CA_48C / 20MHz + 20MHz / QPSK / Ant.5								
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	7140	-63.10	-40	-23.10	-74.56	2.84	14.30	H
	10704	-60.48	-40	-20.48	-70.42	3.49	13.43	H
	14274	-59.01	-40	-19.01	-69.25	3.85	14.09	H
	7140	-63.12	-40	-23.12	-74.58	2.84	14.30	V
	10704	-61.00	-40	-21.00	-70.94	3.49	13.43	V
	14274	-59.41	-40	-19.41	-69.65	3.85	14.09	V
Middle	7182	-63.08	-40	-23.08	-74.54	2.84	14.30	H
	10776	-60.19	-40	-20.19	-70.13	3.49	13.43	H
	14364	-60.40	-40	-20.40	-70.64	3.85	14.09	H
	7182	-62.56	-40	-22.56	-74.02	2.84	14.30	V
	10776	-60.66	-40	-20.66	-70.60	3.49	13.43	V
	14364	-60.61	-40	-20.61	-70.85	3.85	14.09	V
Highest	7260	-62.48	-40	-22.48	-73.94	2.84	14.30	H
	10884	-59.96	-40	-19.96	-69.90	3.49	13.43	H
	14514	-59.13	-40	-19.13	-69.37	3.85	14.09	H
	7260	-62.60	-40	-22.60	-74.06	2.84	14.30	V
	10884	-60.30	-40	-20.30	-70.24	3.49	13.43	V
	14514	-59.17	-40	-19.17	-69.41	3.85	14.09	V

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