

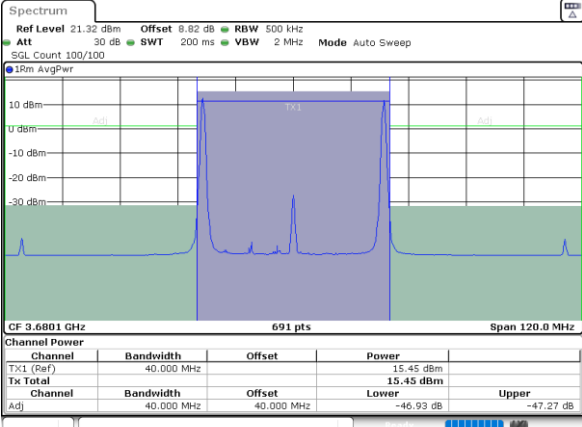


LTE Band 48C / 20MHz+20MHz

16QAM

Highest Band Edge / 1RB0 and 1RB99

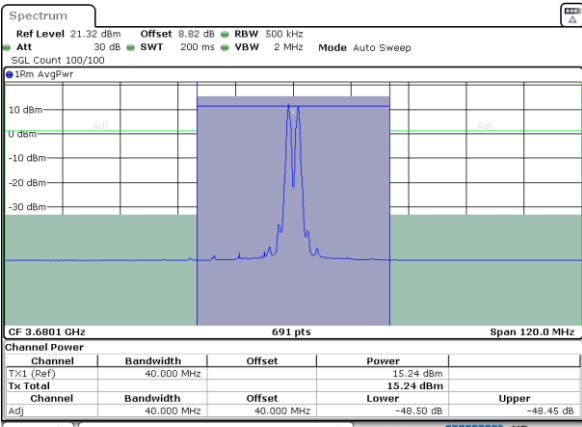
N/A



Date: 12.MAY.2023 21:42:20

Highest Band Edge / 1RB99 and 1RB0

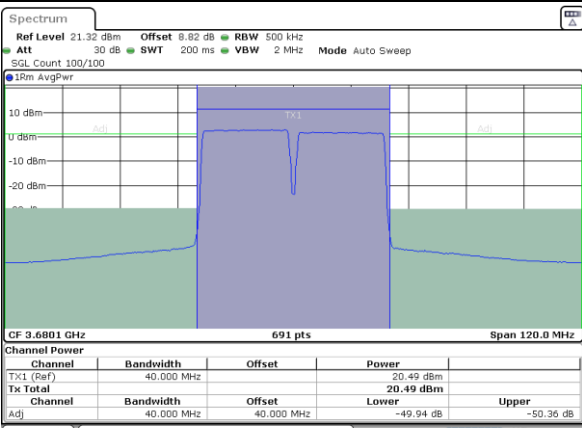
N/A



Date: 12.MAY.2023 21:45:16

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 21:39:25

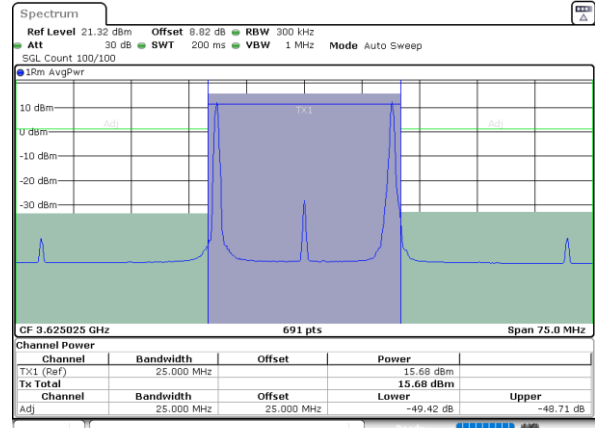
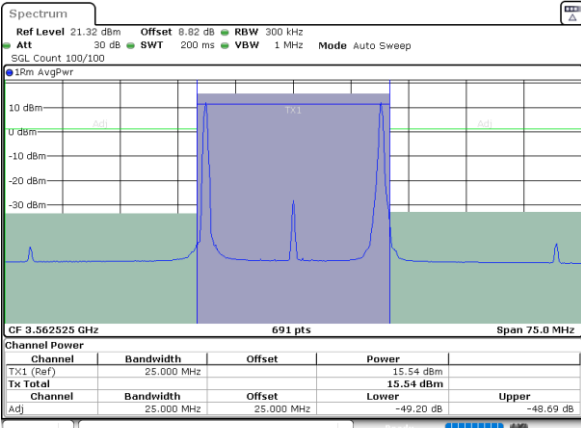


LTE Band 48C / 5MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

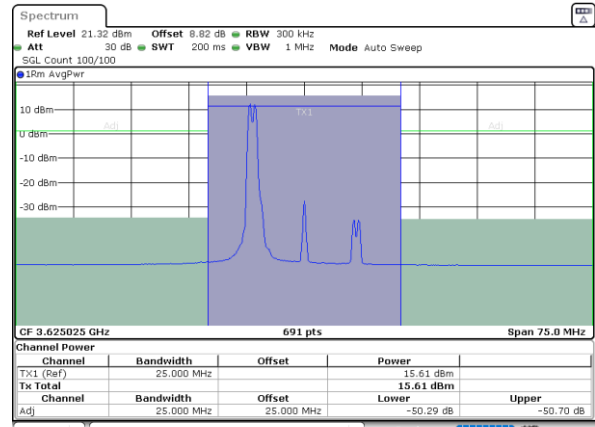
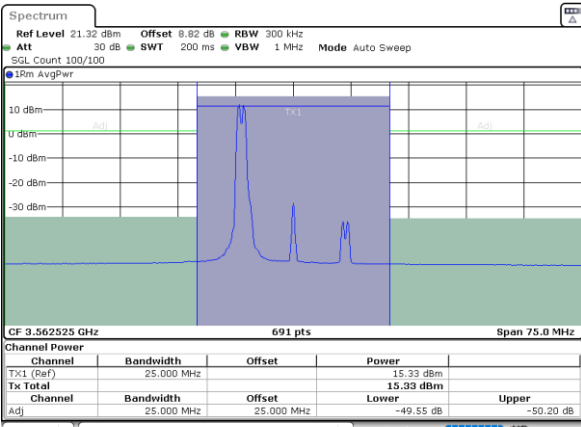


Date: 12.MAY.2023 18:26:17

Date: 12.MAY.2023 18:38:06

Lowest Band Edge / 1RB24 and 1RB0

Middle Band Edge / 1RB24 and 1RB0

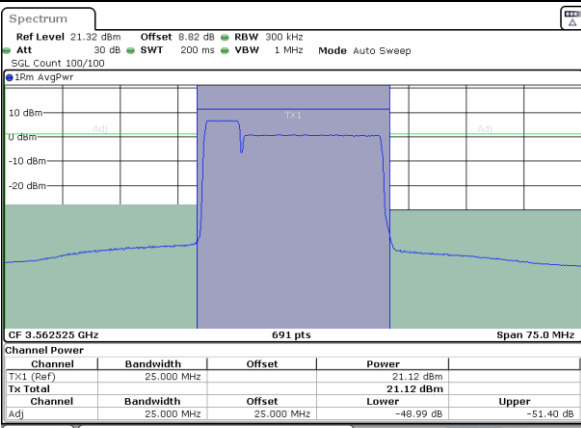


Date: 12.MAY.2023 18:29:13

Date: 12.MAY.2023 18:41:01

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 18:32:09

Date: 12.MAY.2023 18:39:11

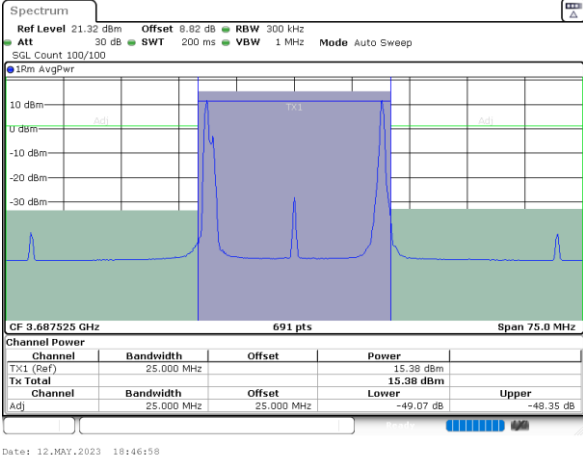


LTE Band 48C / 5MHz+20MHz

64QAM

Highest Band Edge / 1RB0 and 1RB99

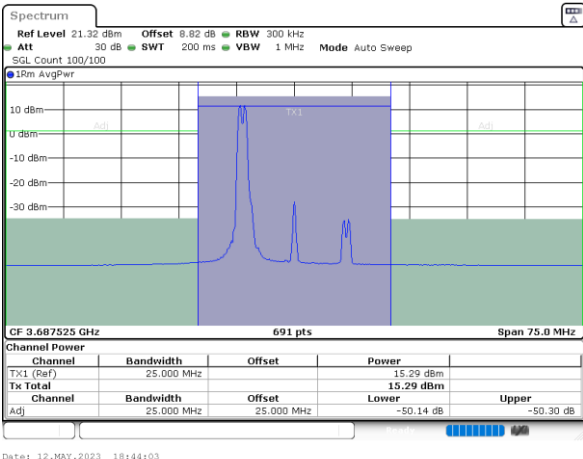
N/A



Date: 12.MAY.2023 18:46:58

Highest Band Edge / 1RB24 and 1RB0

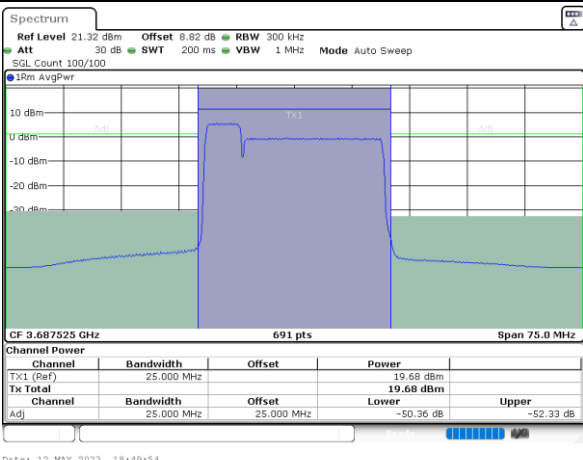
N/A



Date: 12.MAY.2023 18:44:03

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 18:49:54

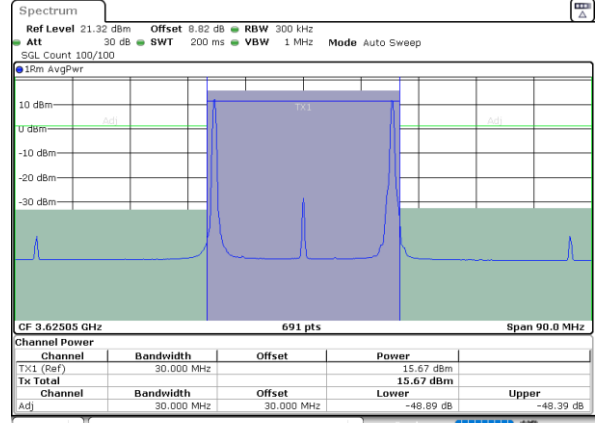
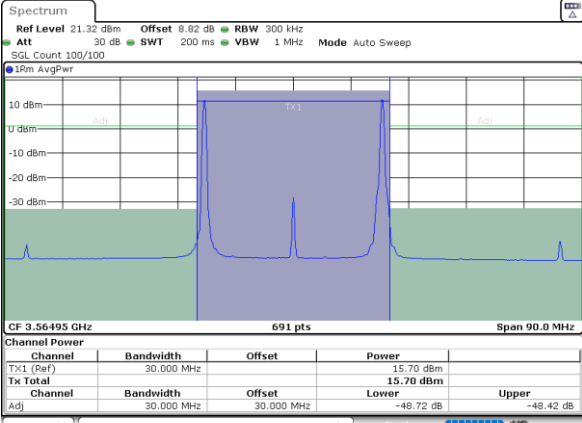


LTE Band 48C / 10MHz+20MHz

64QAM

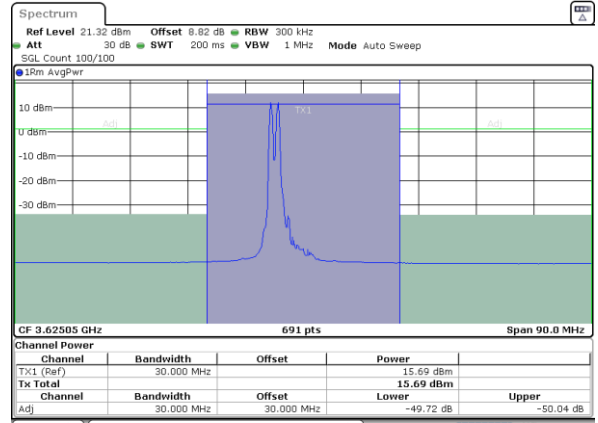
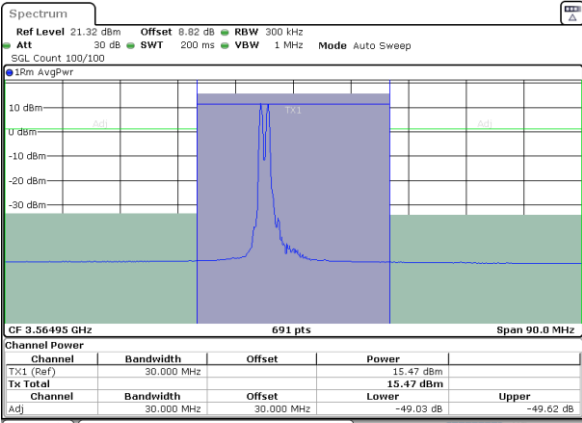
Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99



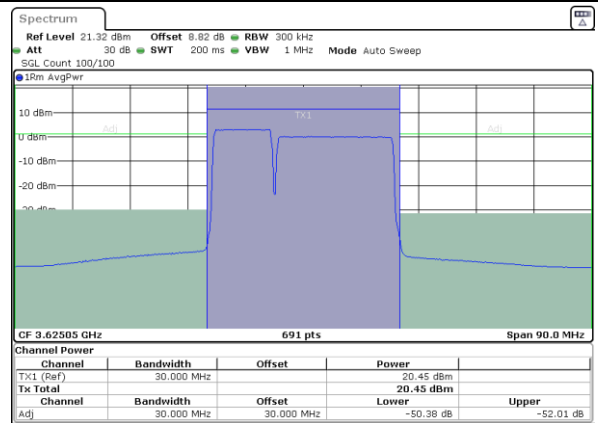
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



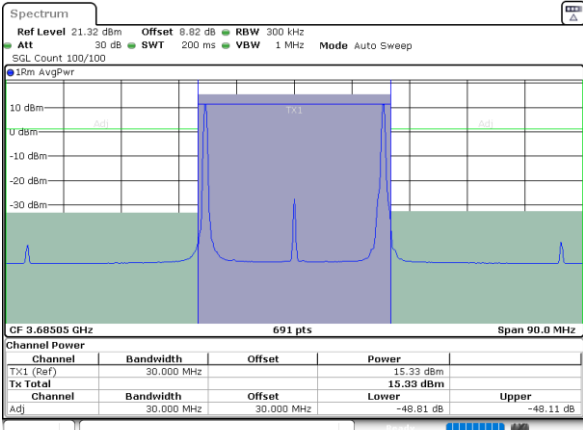


LTE Band 48C / 10MHz+20MHz

64QAM

Highest Band Edge / 1RB0 and 1RB99

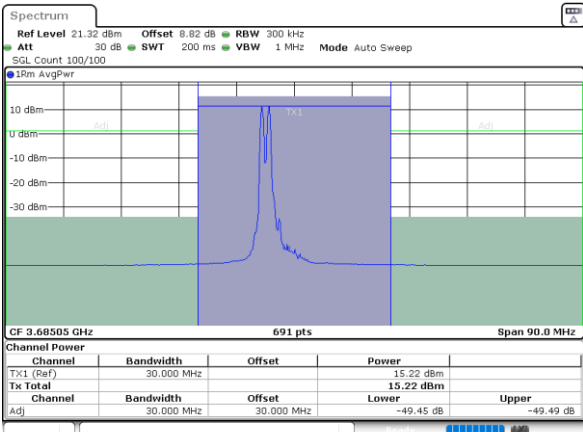
N/A



Date: 12.MAY.2023 19:14:07

Highest Band Edge / 1RB49 and 1RB0

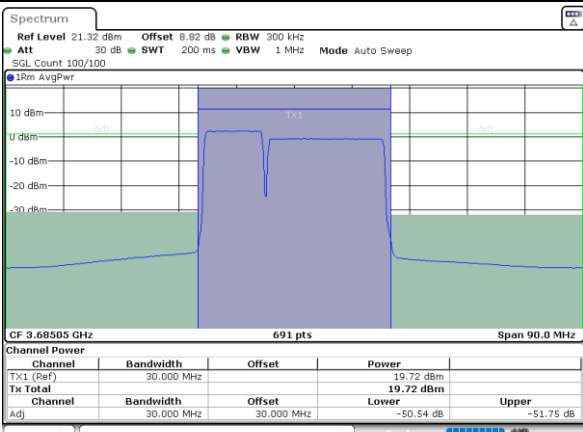
N/A



Date: 12.MAY.2023 19:17:03

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 19:11:12

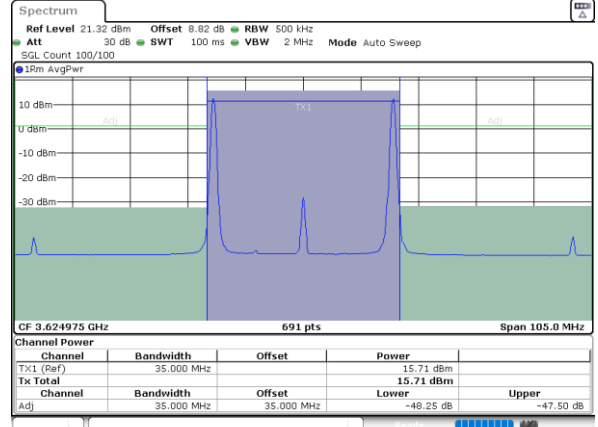
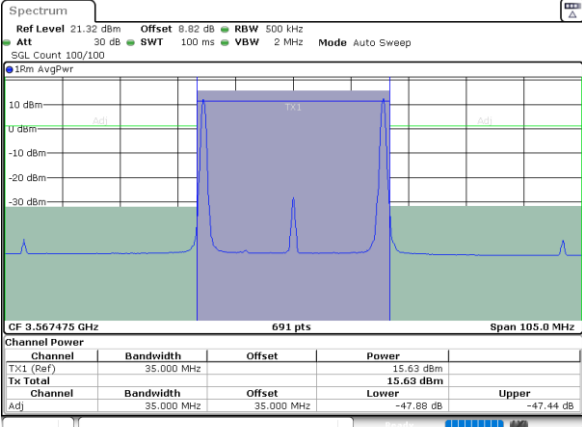


LTE Band 48C / 15MHz+20MHz

64QAM

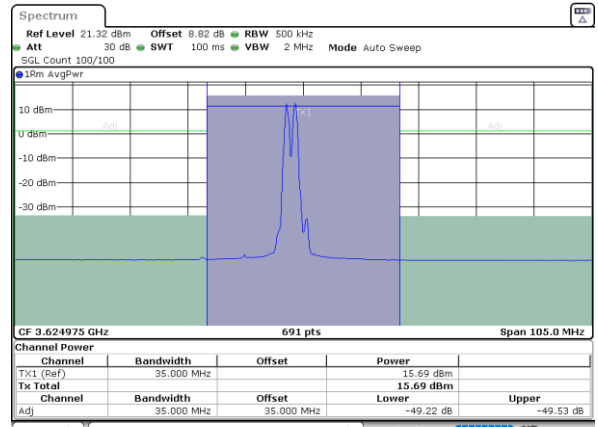
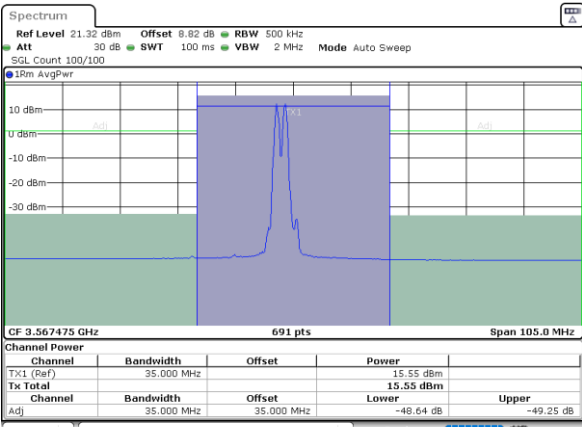
Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99



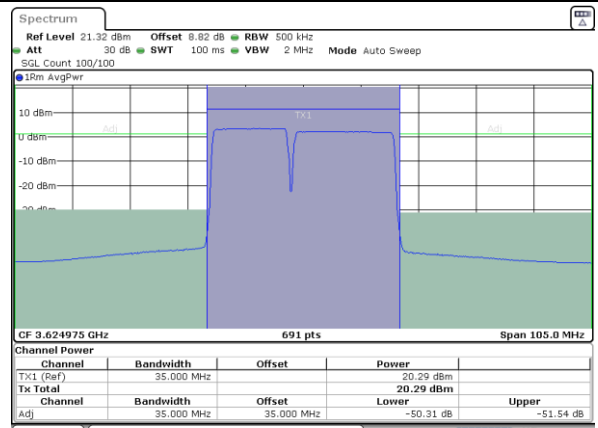
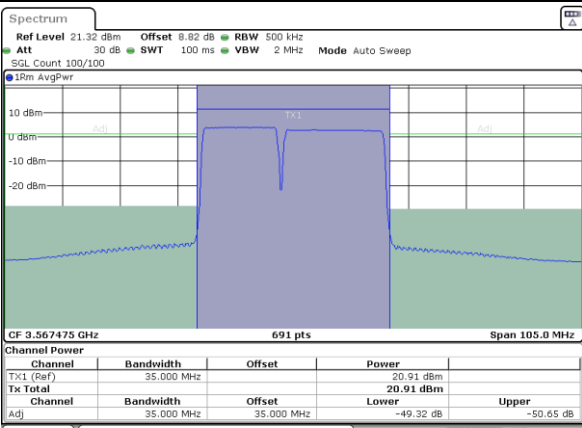
Lowest Band Edge / 1RB74 and 1RB0

Middle Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



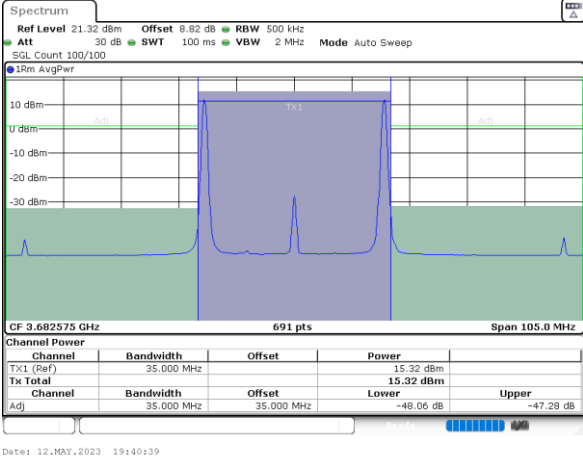


LTE Band 48C / 15MHz+20MHz

64QAM

Highest Band Edge / 1RB0 and 1RB99

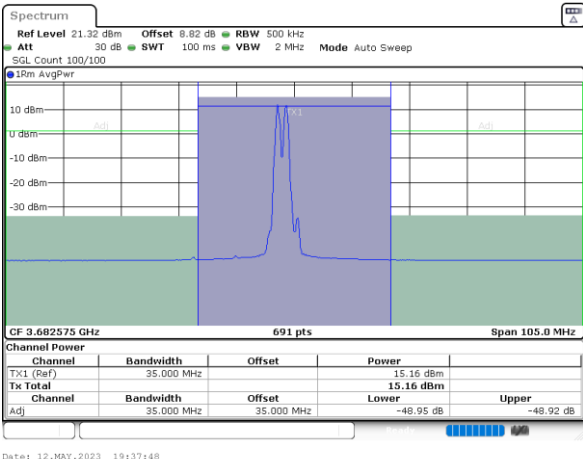
N/A



Date: 12.MAY.2023 19:40:39

Highest Band Edge / 1RB74 and 1RB0

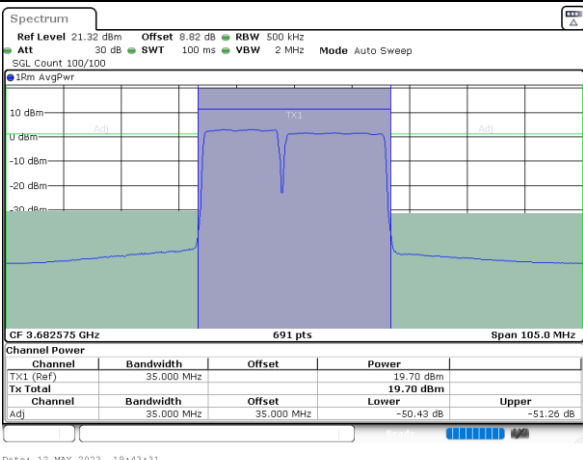
N/A



Date: 12.MAY.2023 19:37:48

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 19:43:51

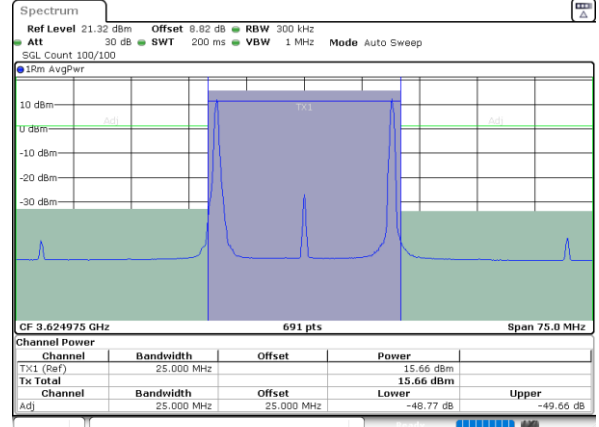
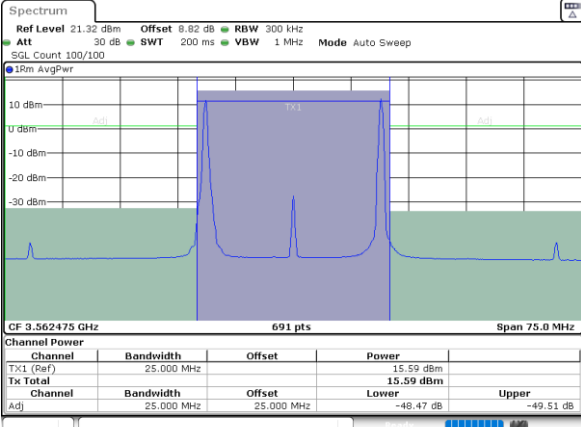


LTE Band 48C/ 20MHz+5MHz

64QAM

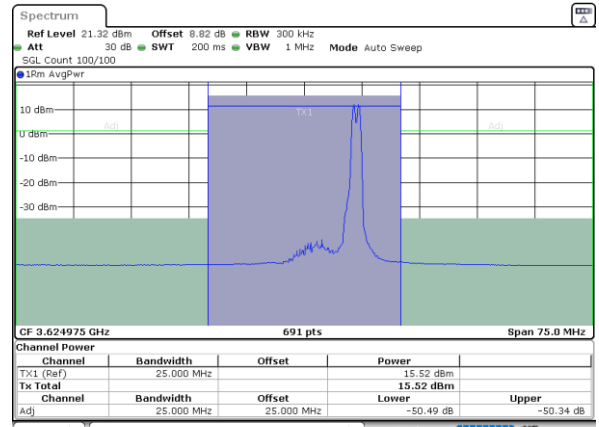
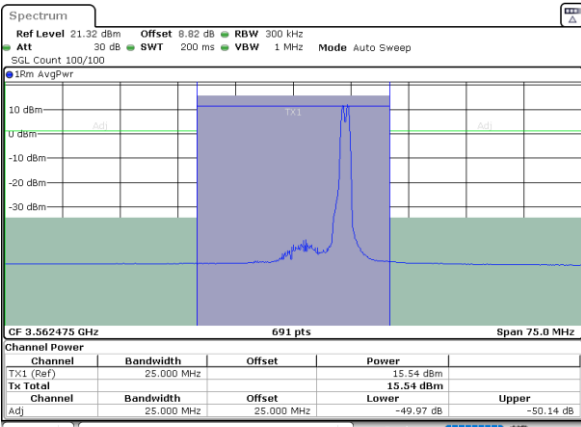
Lowest Band Edge / 1RB0 and 1RB24

Middle Band Edge / 1RB0 and 1RB24



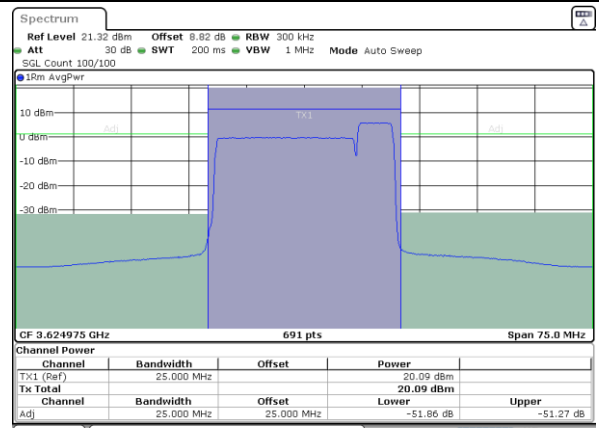
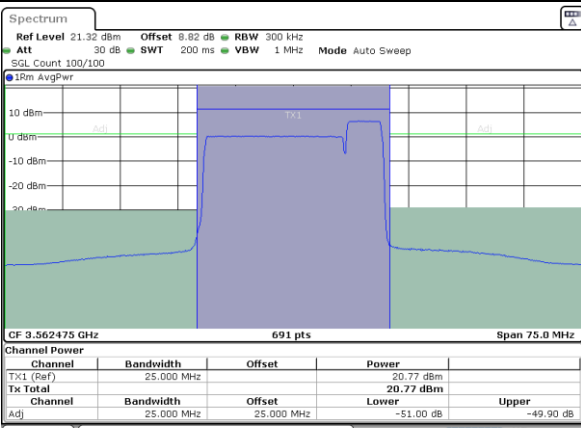
Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



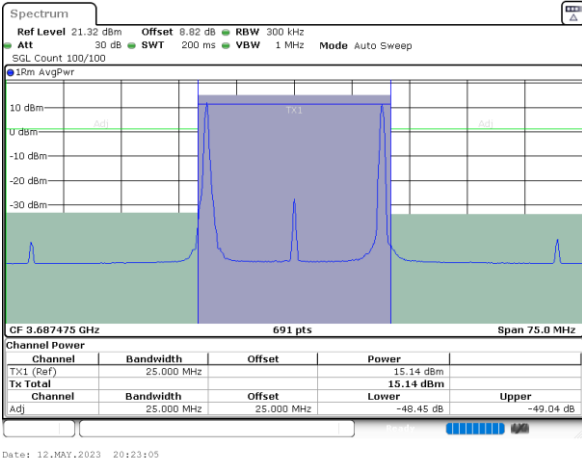


LTE Band 48C / 20MHz+5MHz

64QAM

Highest Band Edge / 1RB0 and 1RB24

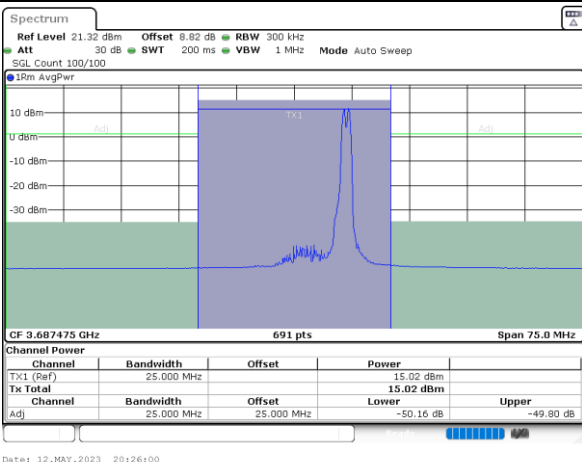
N/A



Date: 12.MAY.2023 20:23:05

Highest Band Edge / 1RB99 and 1RB0

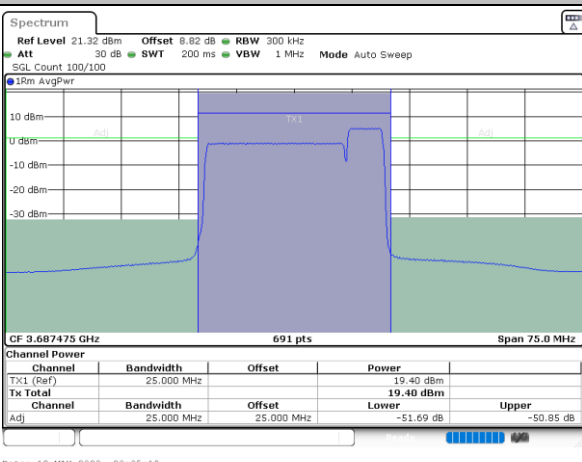
N/A



Date: 12.MAY.2023 20:26:00

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 20:05:19

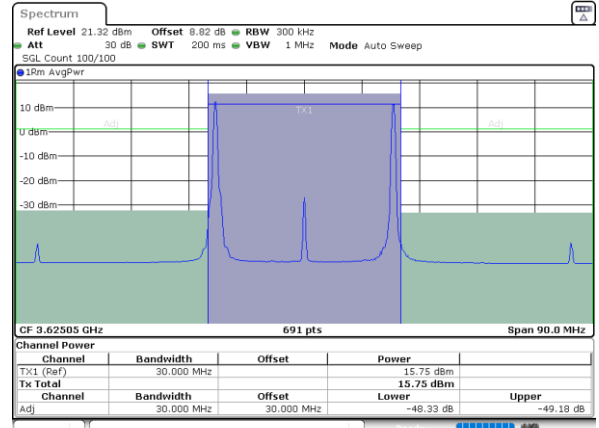
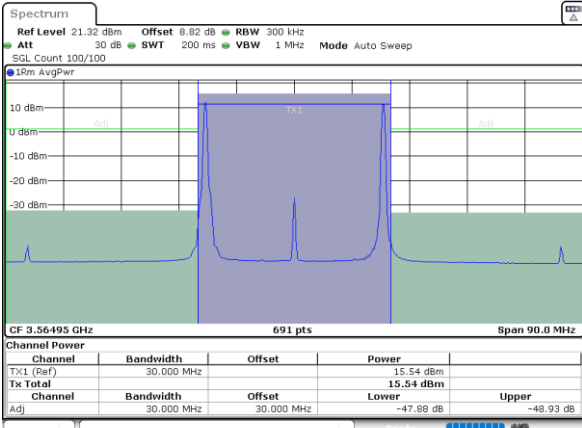


LTE Band 48C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

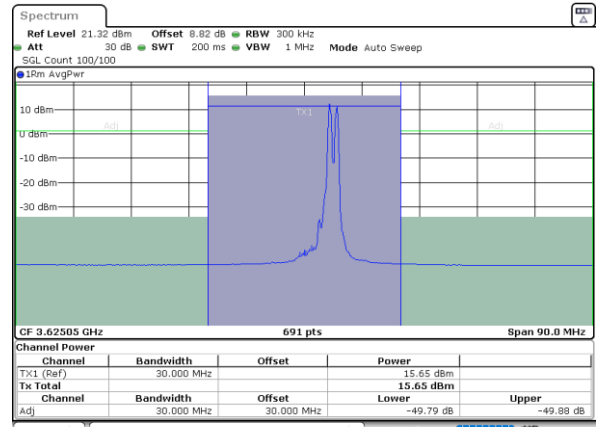
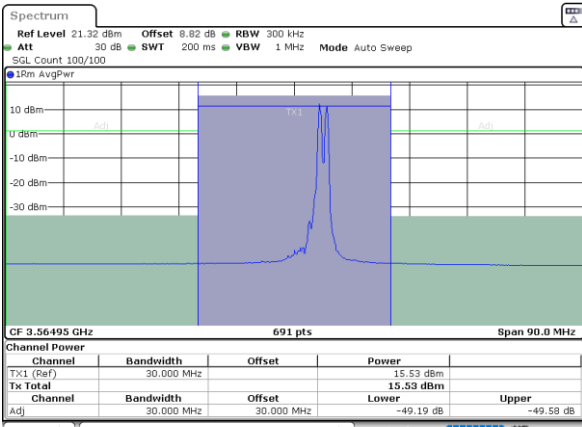


Date: 12.MAY.2023 20:31:57

Date: 12.MAY.2023 20:40:50

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

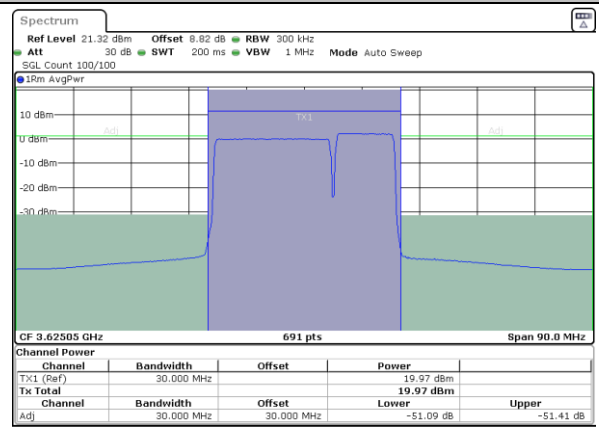
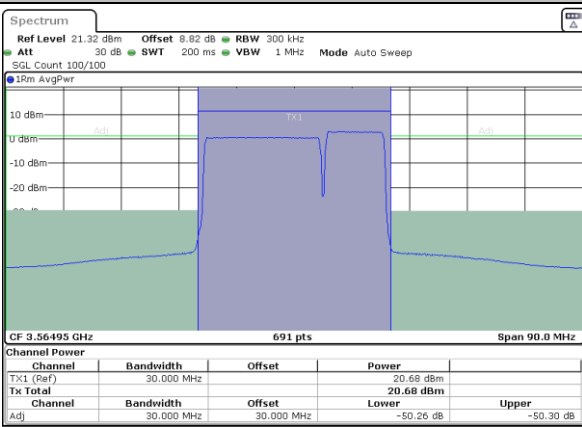


Date: 12.MAY.2023 20:34:53

Date: 12.MAY.2023 20:43:46

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 20:29:02

Date: 12.MAY.2023 20:37:55

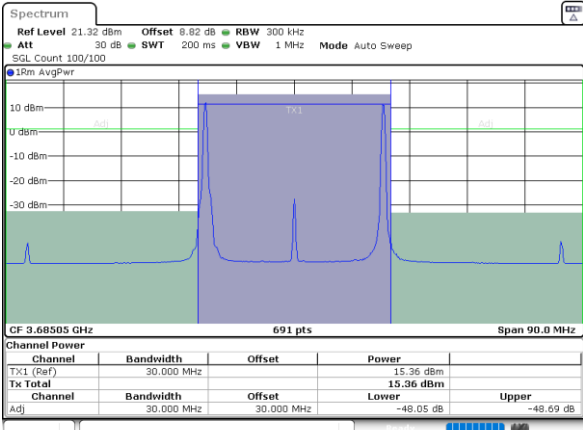


LTE Band 48C / 20MHz+10MHz

64QAM

Highest Band Edge / 1RB0 and 1RB49

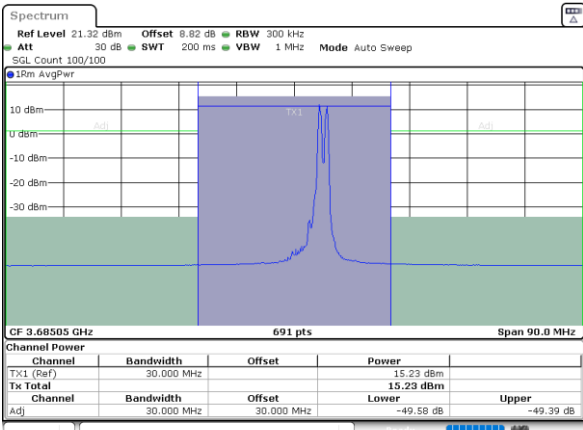
N/A



Date: 12.MAY.2023 20:49:44

Highest Band Edge / 1RB99 and 1RB0

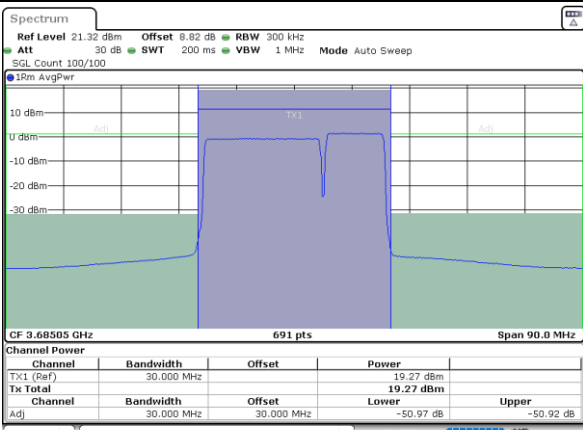
N/A



Date: 12.MAY.2023 20:52:39

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 20:46:48

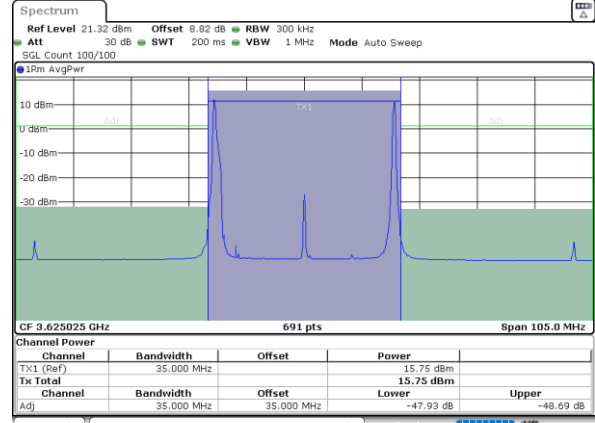
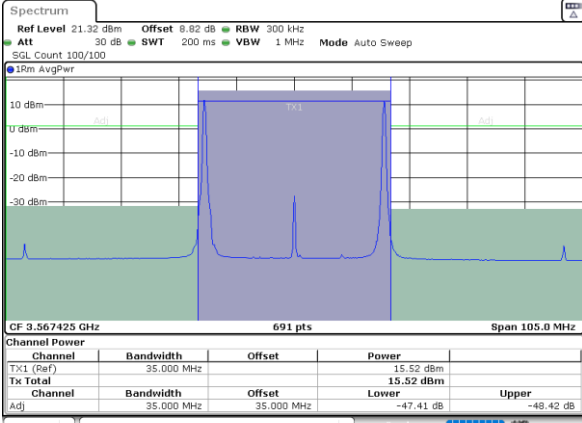


LTE Band 48C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Middle Band Edge / 1RB0 and 1RB74

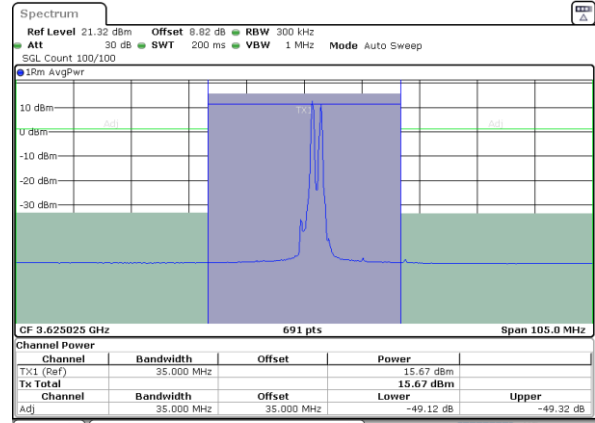
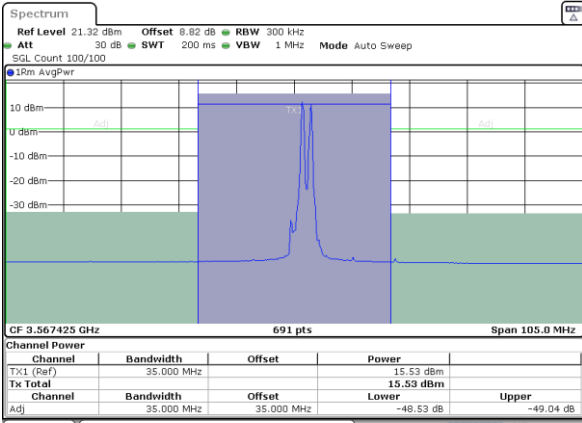


Date: 12.MAY.2023 20:58:37

Date: 12.MAY.2023 21:07:30

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

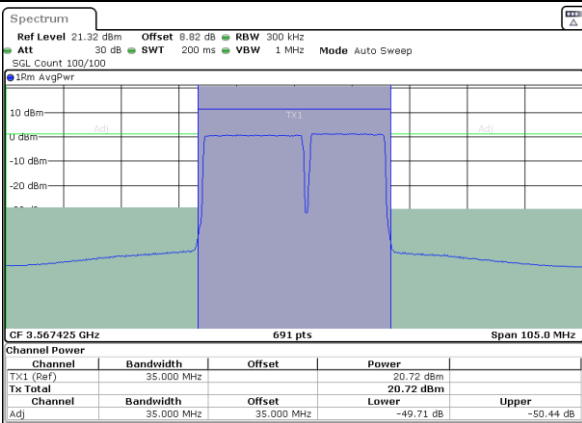


Date: 12.MAY.2023 21:01:52

Date: 12.MAY.2023 21:10:25

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 20:55:41

Date: 12.MAY.2023 21:04:34

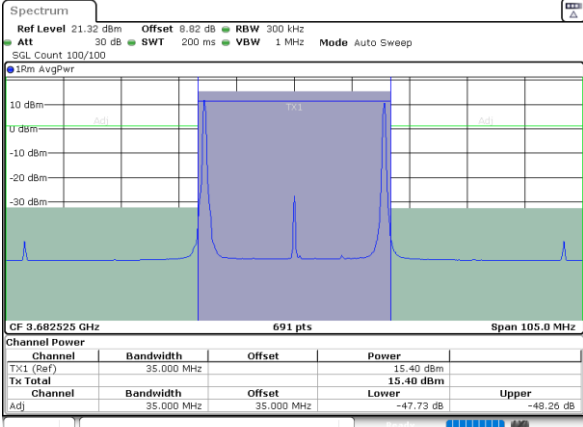


LTE Band 48C / 20MHz+15MHz

64QAM

Highest Band Edge / 1RB0 and 1RB74

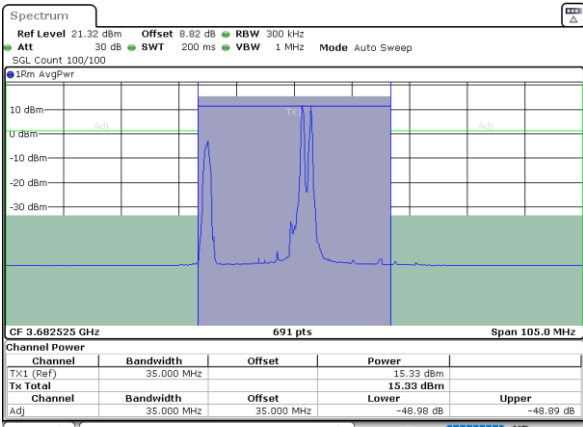
N/A



Date: 12.MAY.2023 21:16:22

Highest Band Edge / 1RB99 and 1RB0

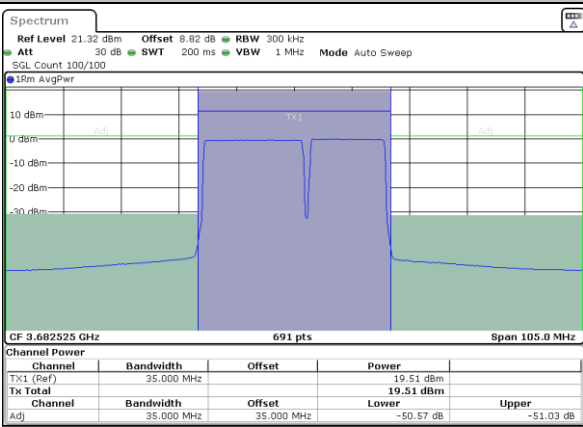
N/A



Date: 12.MAY.2023 21:19:18

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 21:13:27

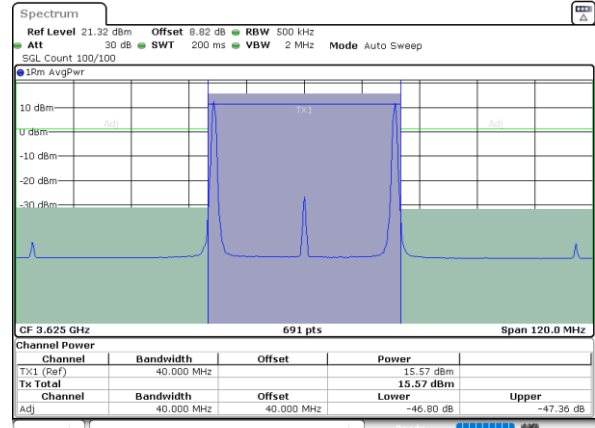
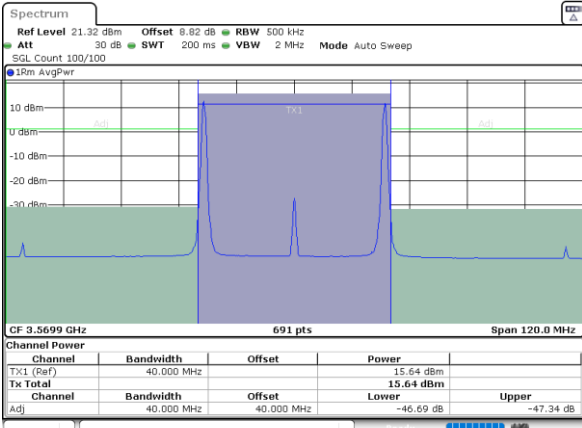


LTE Band 48C / 20MHz+20MHz

64QAM

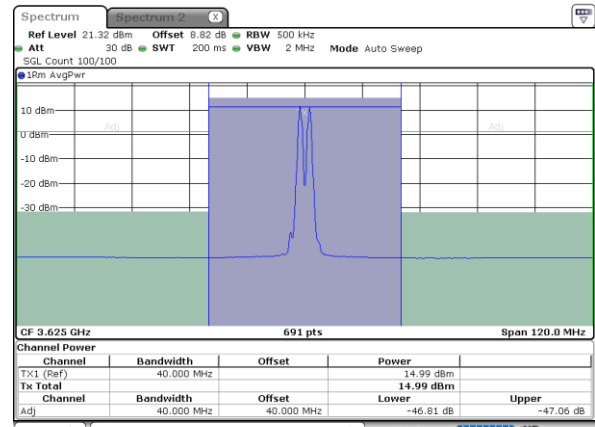
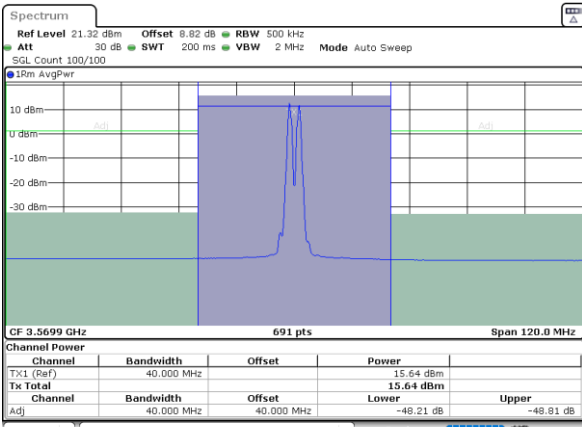
Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99



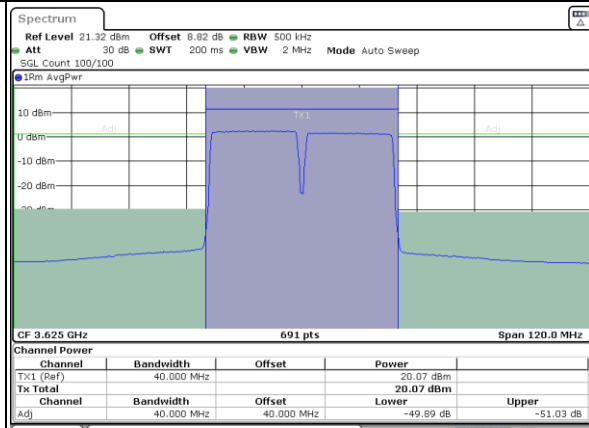
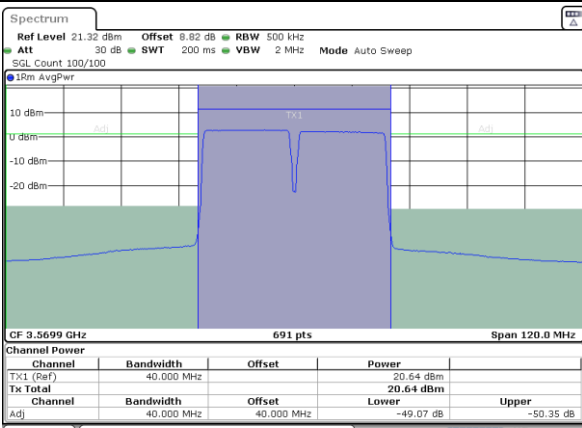
Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



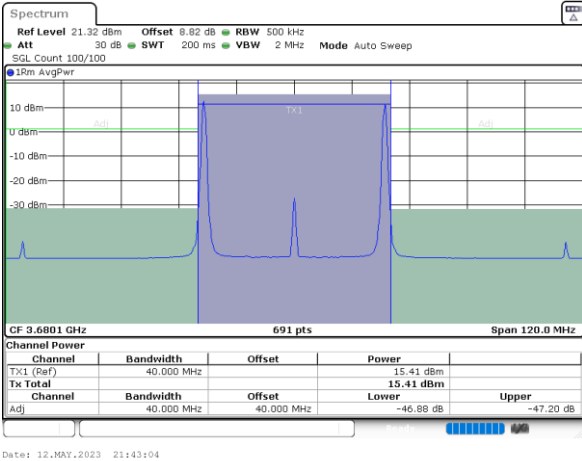


LTE Band 48C / 20MHz+20MHz

64QAM

Highest Band Edge / 1RB0 and 1RB99

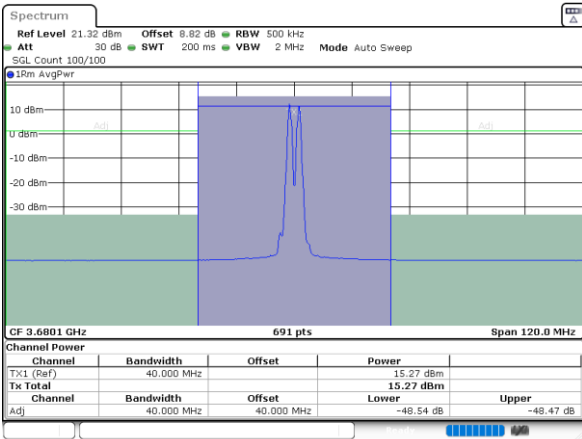
N/A



Date: 12.MAY.2023 21:43:04

Highest Band Edge / 1RB99 and 1RB0

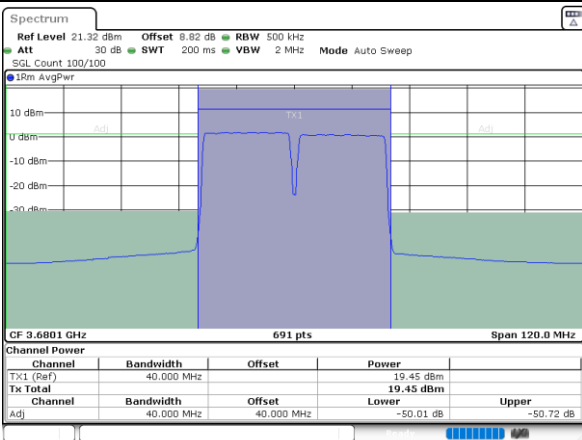
N/A



Date: 12.MAY.2023 21:45:59

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 21:40:08

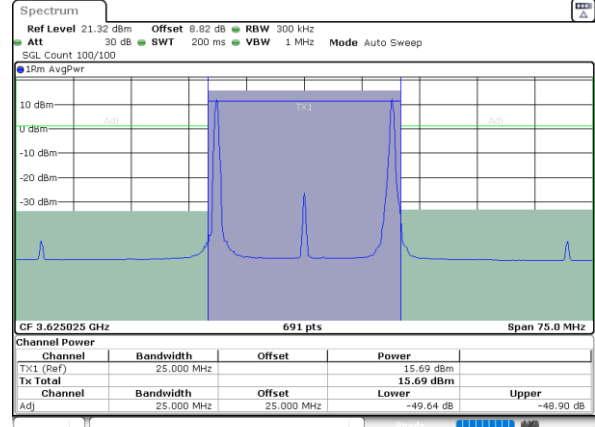
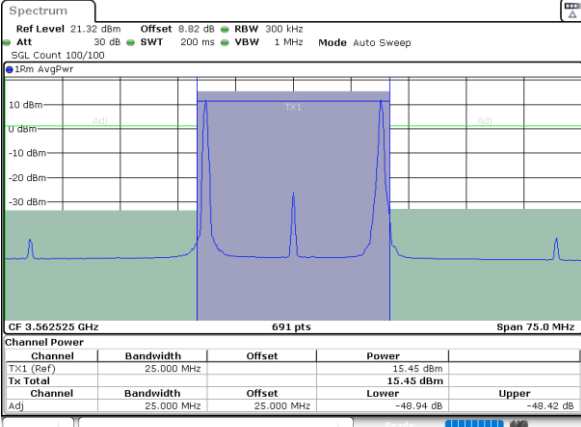


LTE Band 48C / 5MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

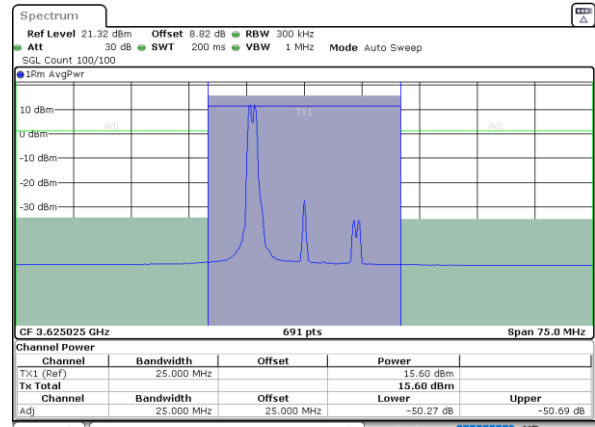
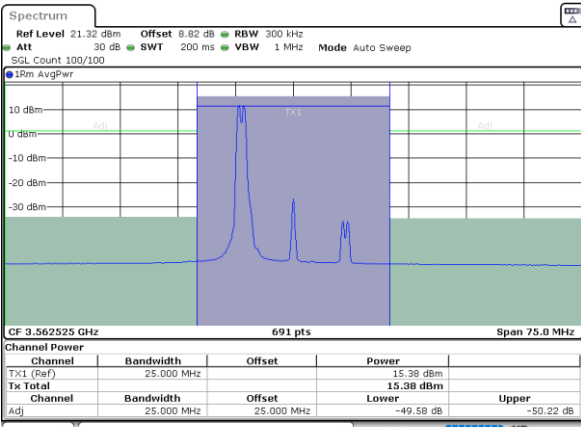


Date: 12.MAY.2023 18:27:02

Date: 12.MAY.2023 18:38:50

Lowest Band Edge / 1RB24 and 1RB0

Middle Band Edge / 1RB24 and 1RB0

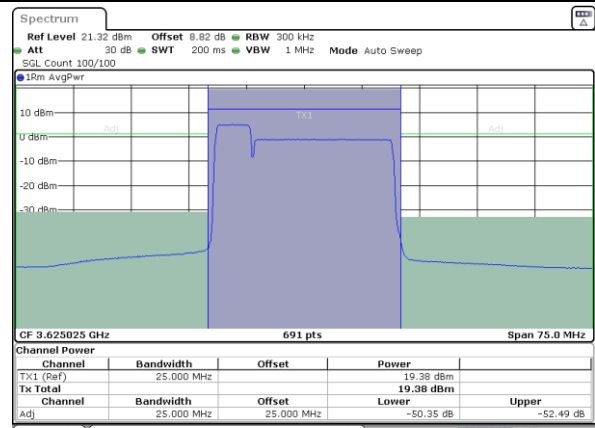
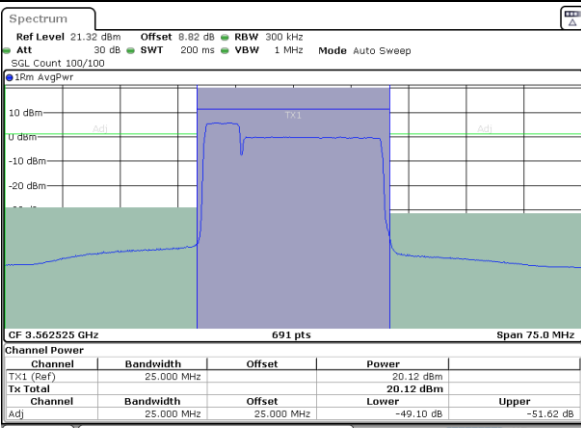


Date: 12.MAY.2023 18:29:57

Date: 12.MAY.2023 18:41:45

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 18:32:53

Date: 12.MAY.2023 18:39:54

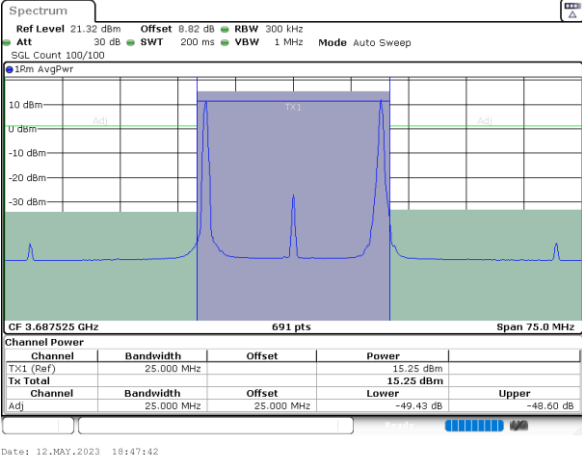


LTE Band 48C / 5MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

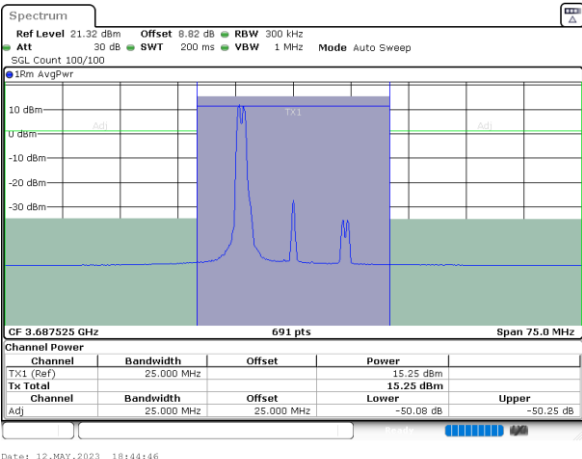
N/A



Date: 12.MAY.2023 18:47:42

Highest Band Edge / 1RB24 and 1RB0

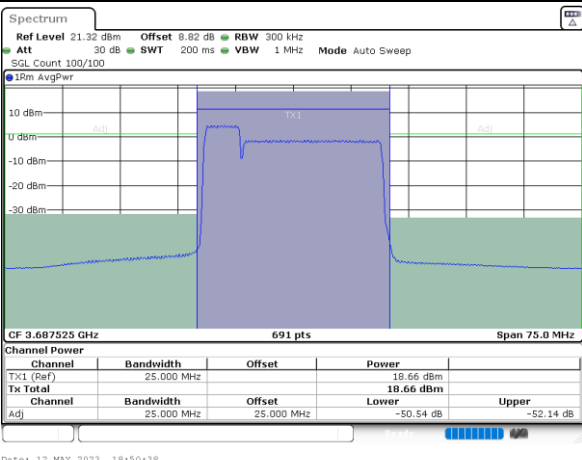
N/A



Date: 12.MAY.2023 18:44:46

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 18:50:38

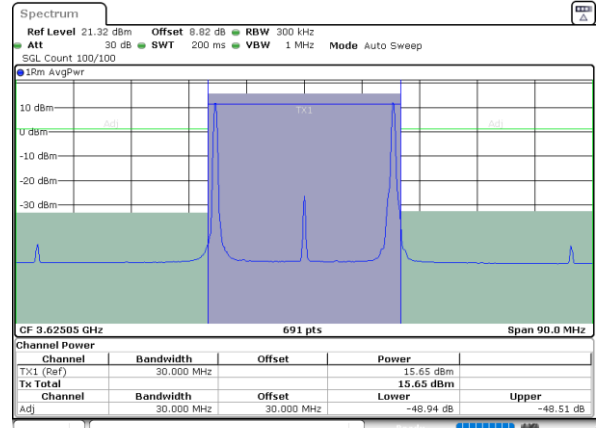
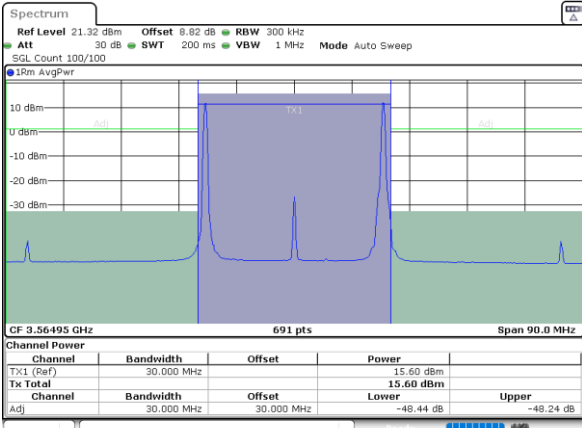


LTE Band 48C / 10MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

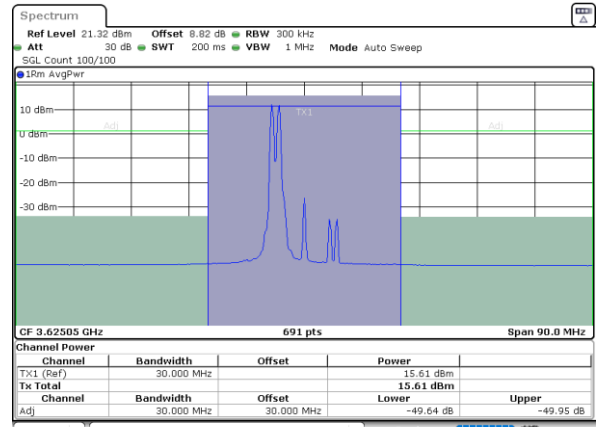
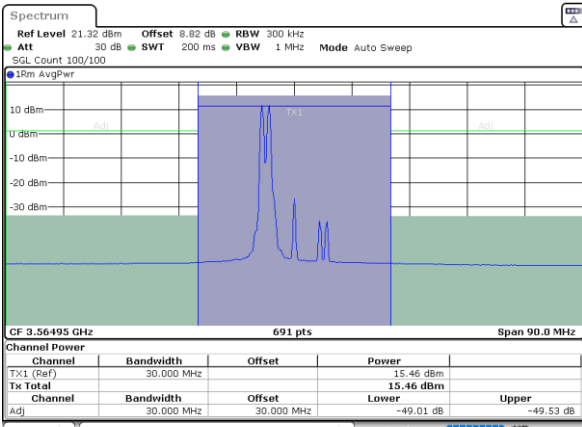


Date: 12.MAY.2023 18:57:07

Date: 12.MAY.2023 21:58:54

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

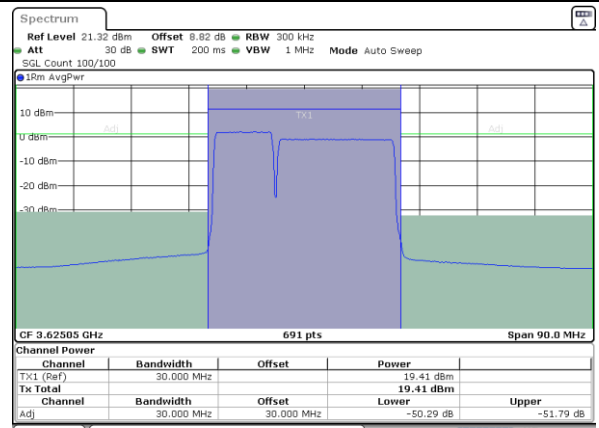
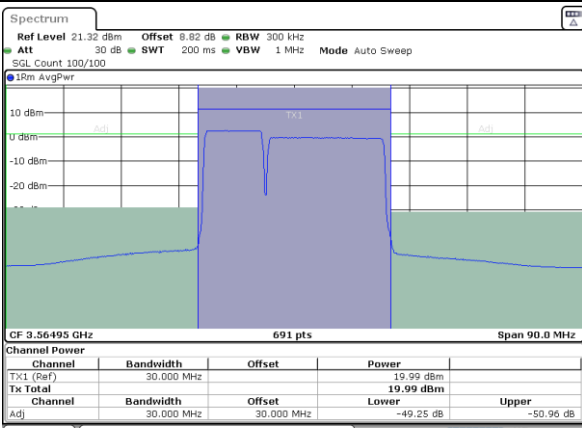


Date: 12.MAY.2023 19:00:02

Date: 12.MAY.2023 22:00:19

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 18:54:11

Date: 12.MAY.2023 19:08:54

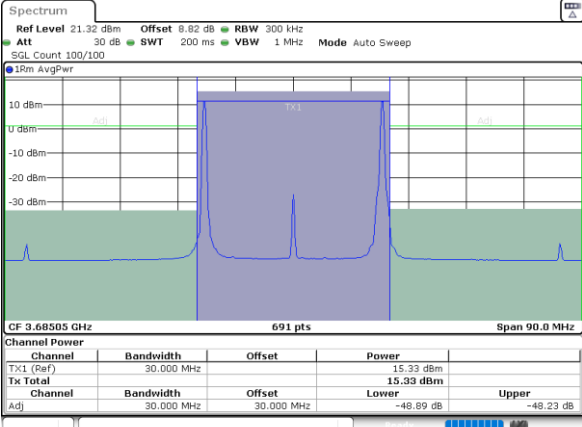


LTE Band 48C / 10MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

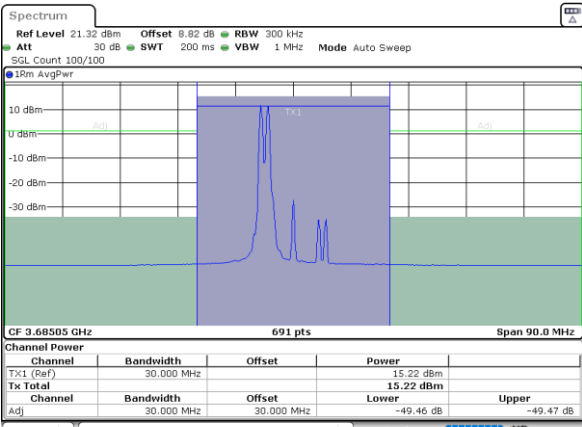
N/A



Date: 12.MAY.2023 19:14:51

Highest Band Edge / 1RB49 and 1RB0

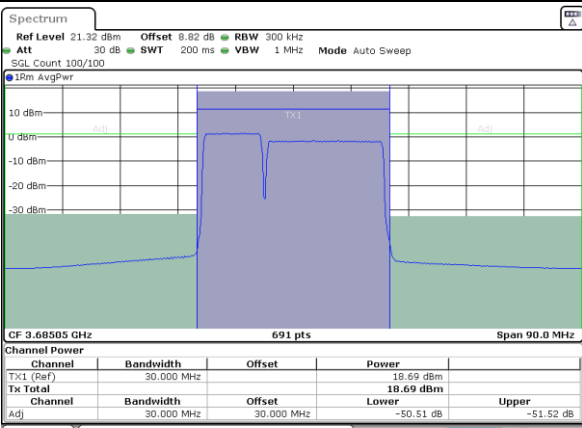
N/A



Date: 12.MAY.2023 19:17:47

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 19:11:55

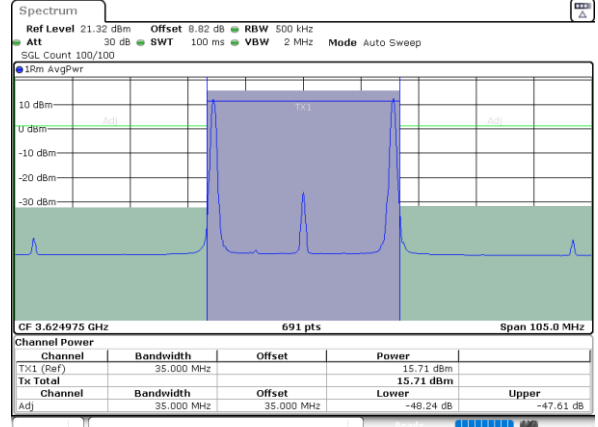
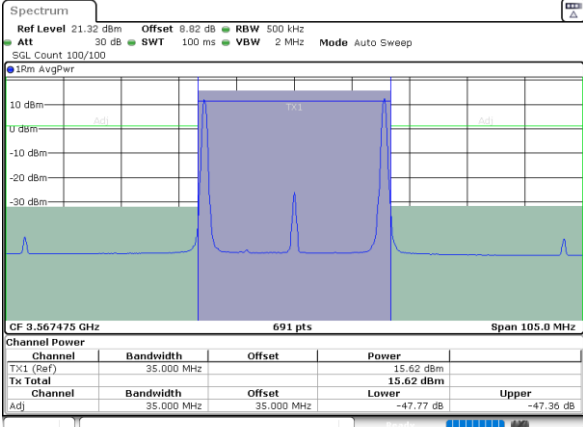


LTE Band 48C / 15MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

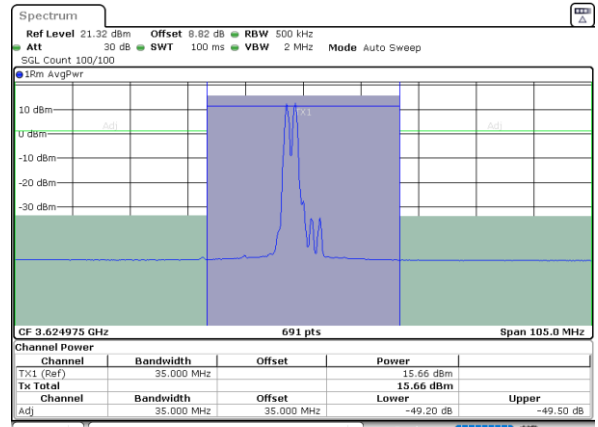
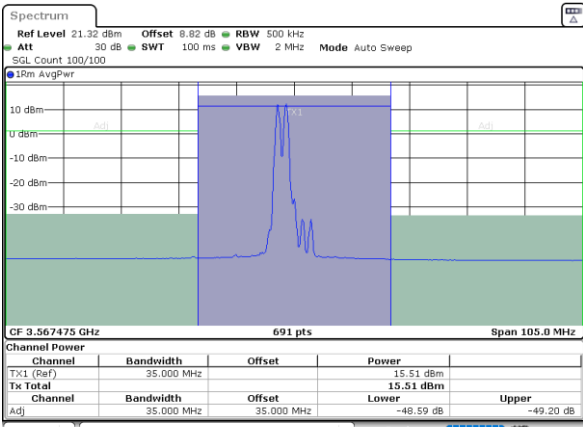


Date: 12.MAY.2023 19:24:01

Date: 12.MAY.2023 19:32:42

Lowest Band Edge / 1RB74 and 1RB0

Middle Band Edge / 1RB74 and 1RB0

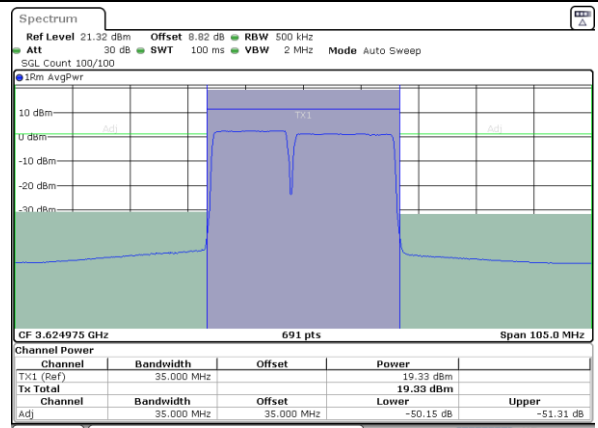
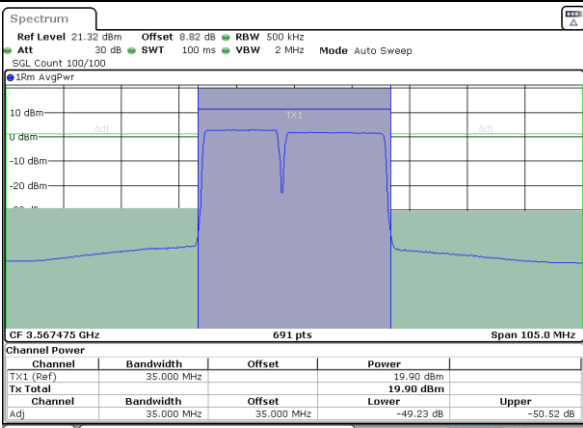


Date: 12.MAY.2023 19:21:10

Date: 12.MAY.2023 19:35:33

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 19:26:52

Date: 12.MAY.2023 19:29:50

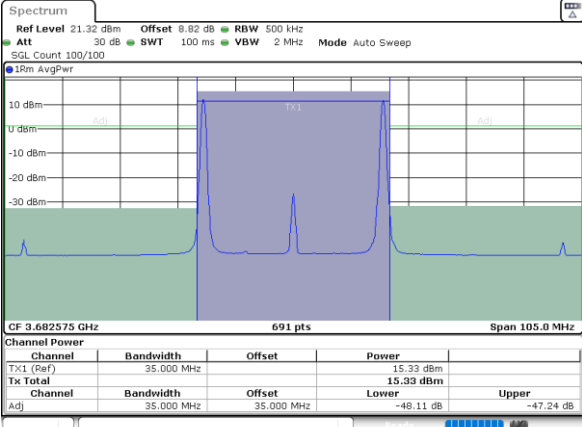


LTE Band 48C / 15MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

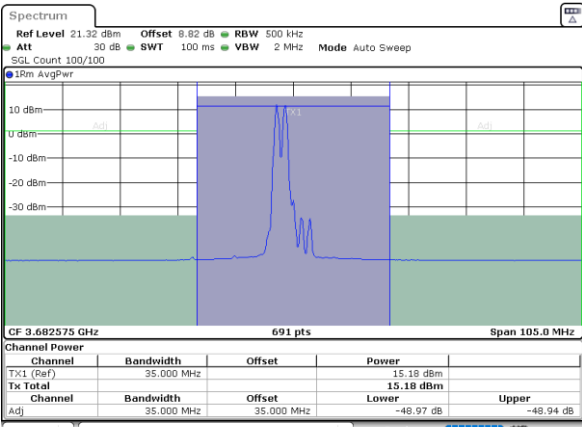
N/A



Date: 12.MAY.2023 19:41:22

Highest Band Edge / 1RB74 and 1RB0

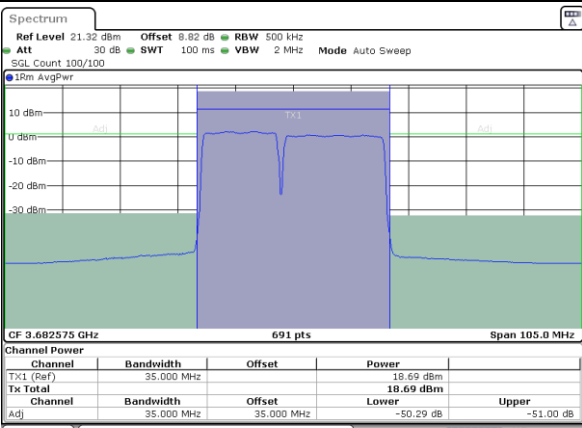
N/A



Date: 12.MAY.2023 19:38:31

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 19:44:14

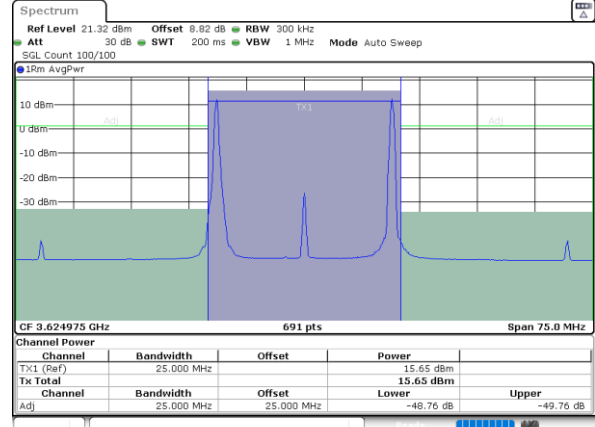
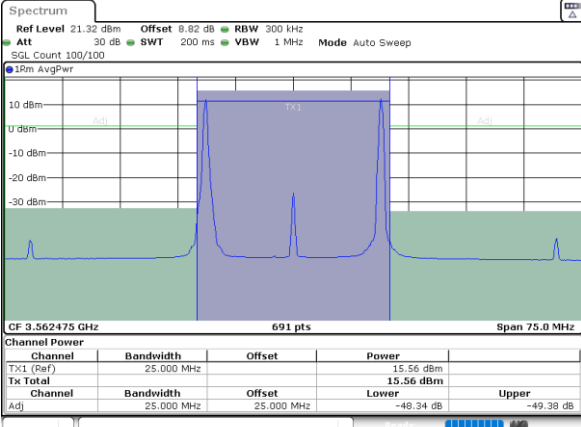


LTE Band 48C/ 20MHz+5MHz

256QAM

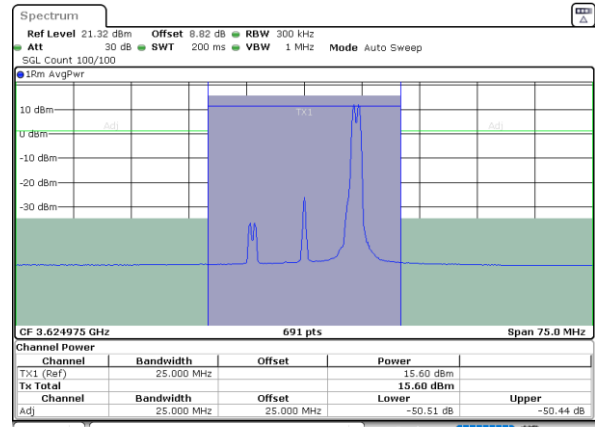
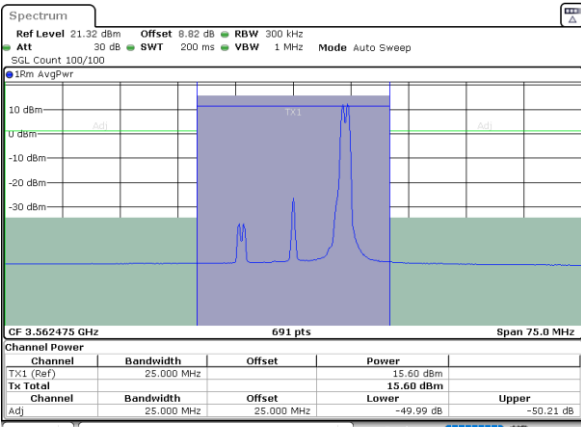
Lowest Band Edge / 1RB0 and 1RB24

Middle Band Edge / 1RB0 and 1RB24



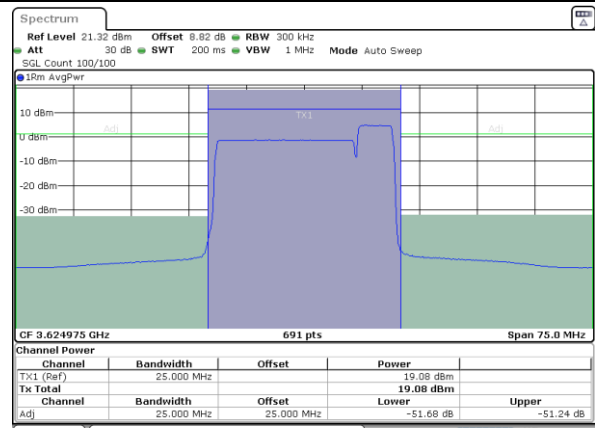
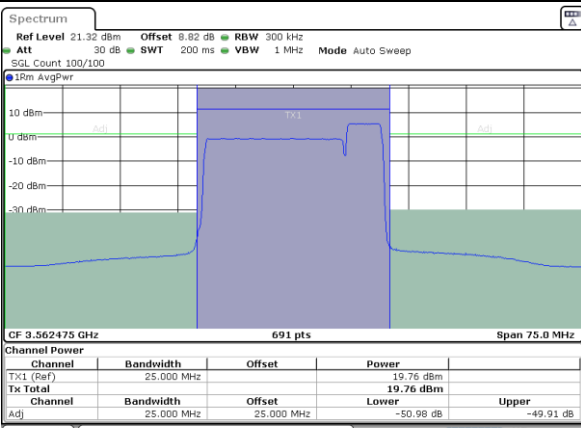
Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



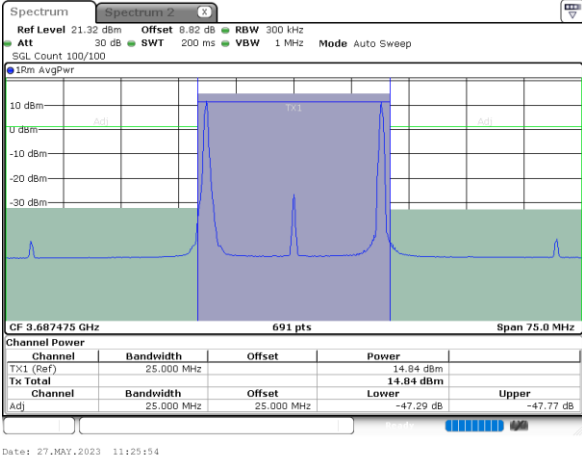


LTE Band 48C / 20MHz+5MHz

256QAM

Highest Band Edge / 1RB0 and 1RB24

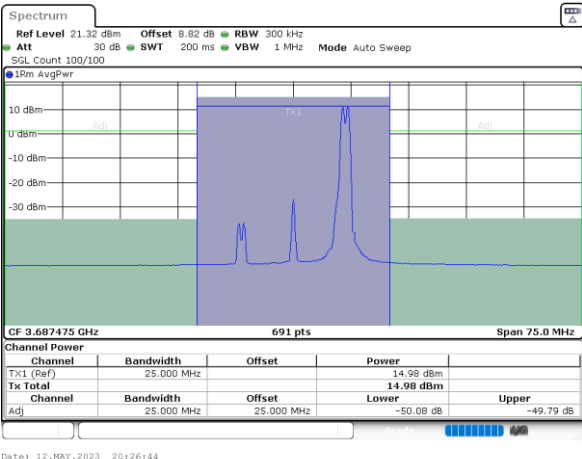
N/A



Date: 27.MAY.2023 11:25:54

Highest Band Edge / 1RB99 and 1RB0

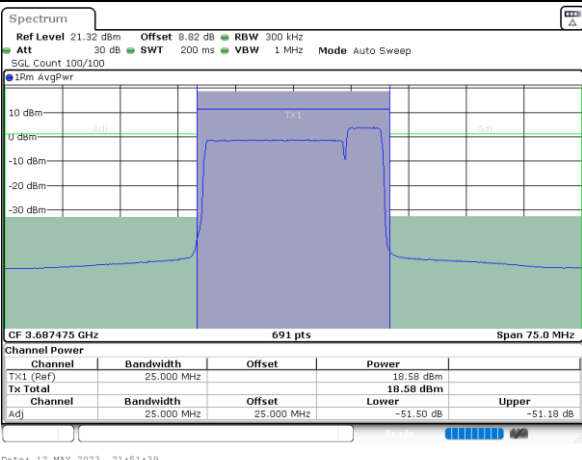
N/A



Date: 12.MAY.2023 20:26:44

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 21:51:59

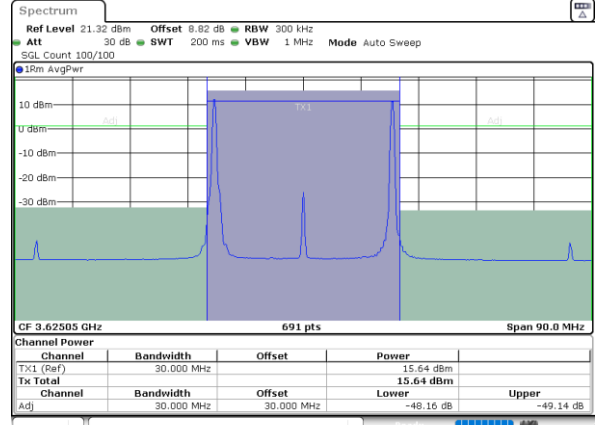
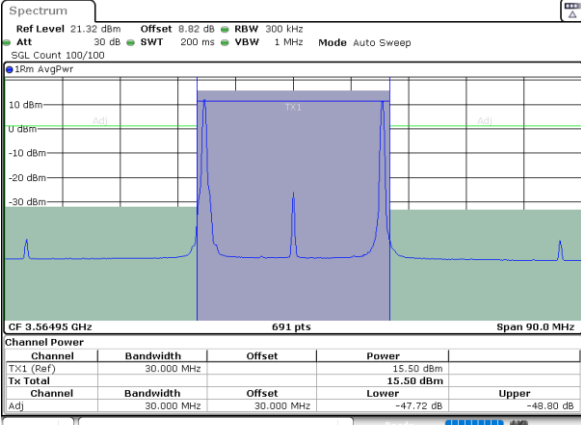


LTE Band 48C / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

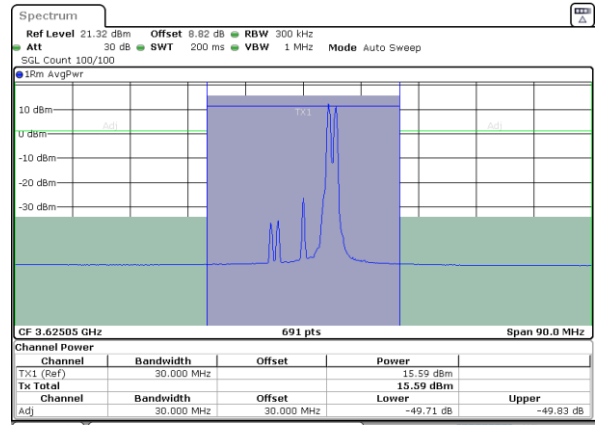
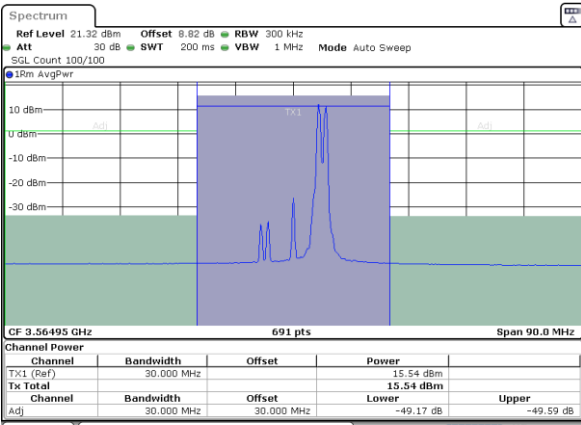


Date: 12.MAY.2023 20:32:41

Date: 12.MAY.2023 20:41:34

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

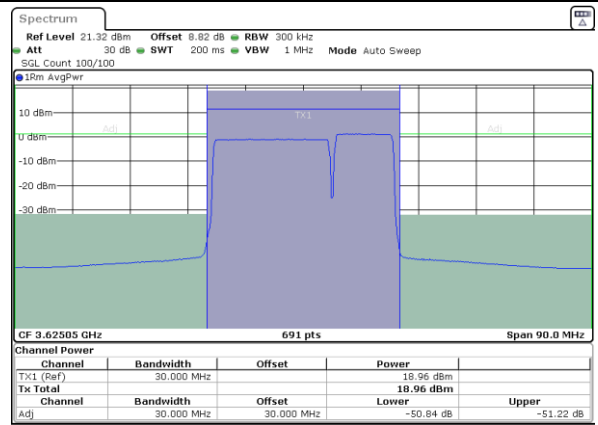
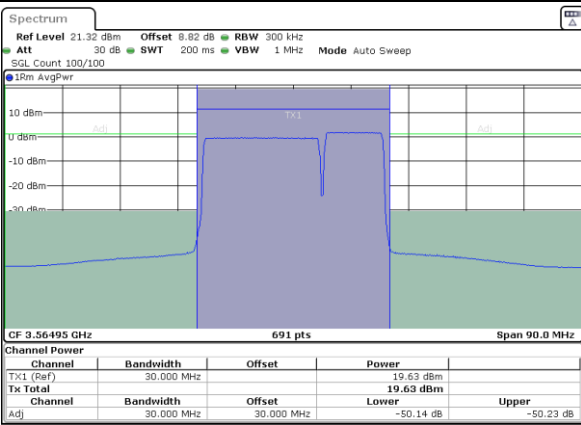


Date: 12.MAY.2023 20:35:36

Date: 12.MAY.2023 20:44:30

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 20:29:46

Date: 12.MAY.2023 20:38:39

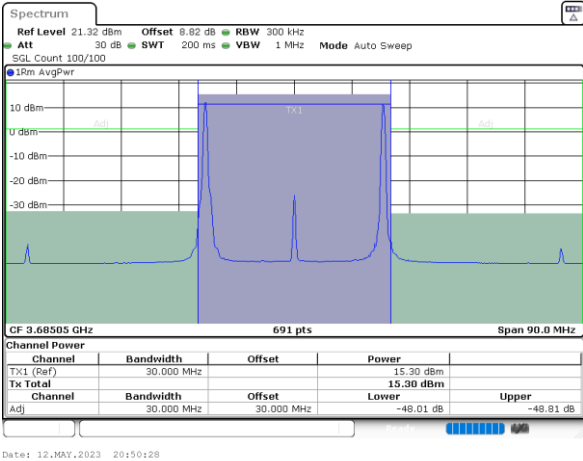


LTE Band 48C / 20MHz+10MHz

256QAM

Highest Band Edge / 1RB0 and 1RB49

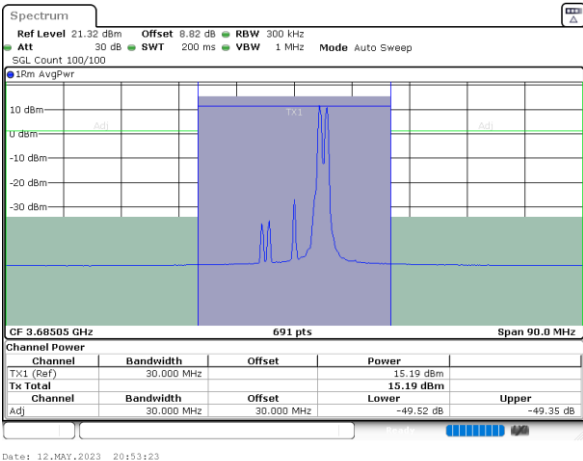
N/A



Date: 12.MAY.2023 20:50:28

Highest Band Edge / 1RB99 and 1RB0

N/A



Date: 12.MAY.2023 20:53:23

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 20:47:52

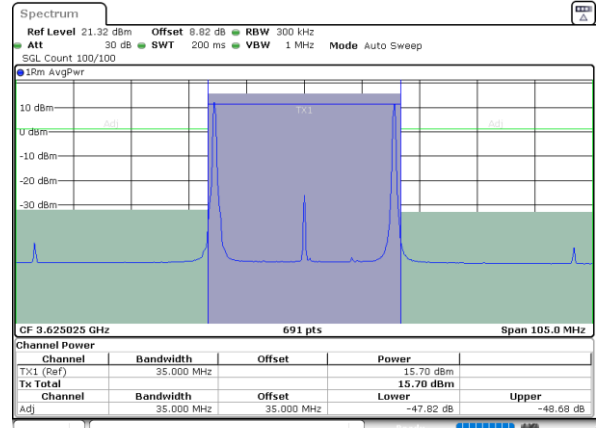
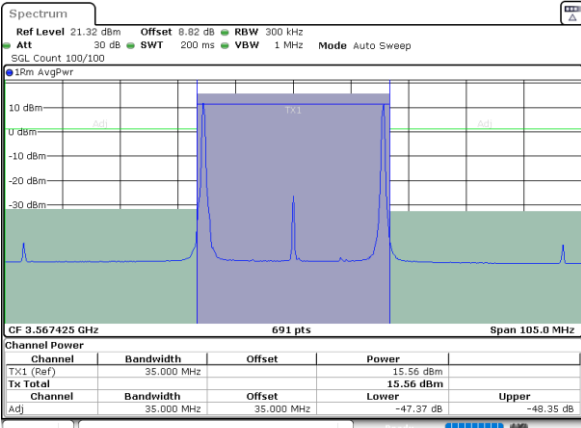


LTE Band 48C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Middle Band Edge / 1RB0 and 1RB74

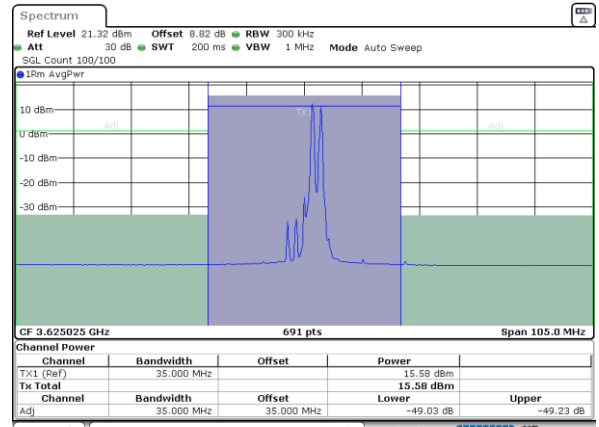
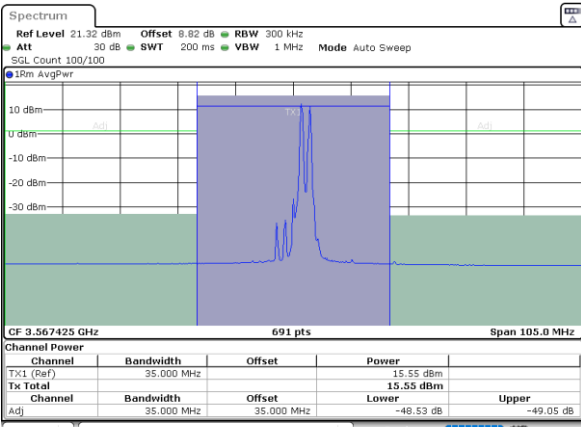


Date: 12.MAY.2023 20:59:21

Date: 12.MAY.2023 21:08:13

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

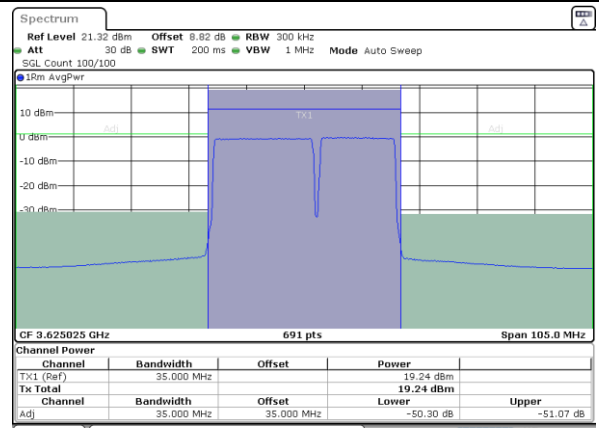
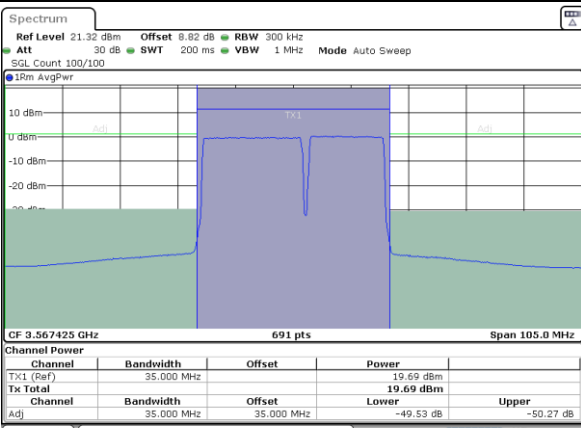


Date: 12.MAY.2023 21:02:16

Date: 12.MAY.2023 21:11:09

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 12.MAY.2023 20:56:25

Date: 12.MAY.2023 21:49:17

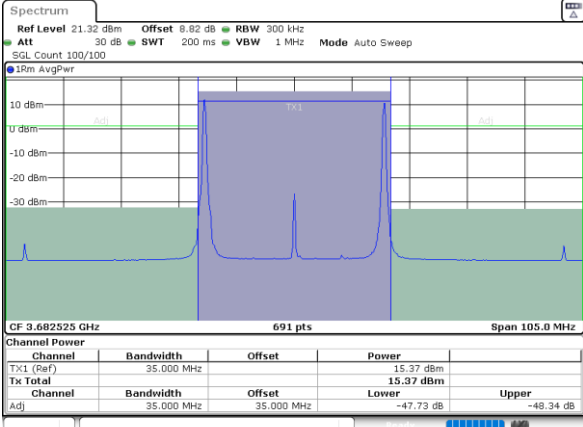


LTE Band 48C / 20MHz+15MHz

256QAM

Highest Band Edge / 1RB0 and 1RB74

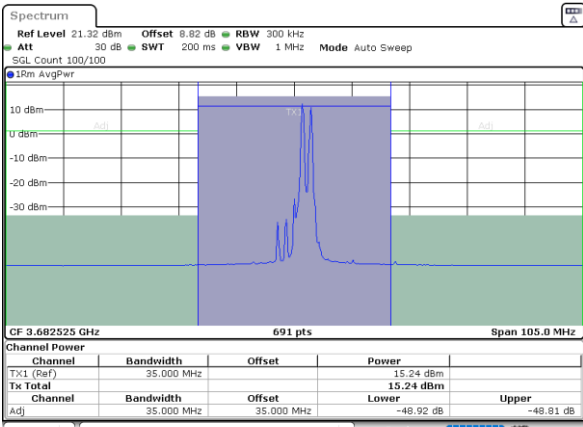
N/A



Date: 12.MAY.2023 21:17:06

Highest Band Edge / 1RB99 and 1RB0

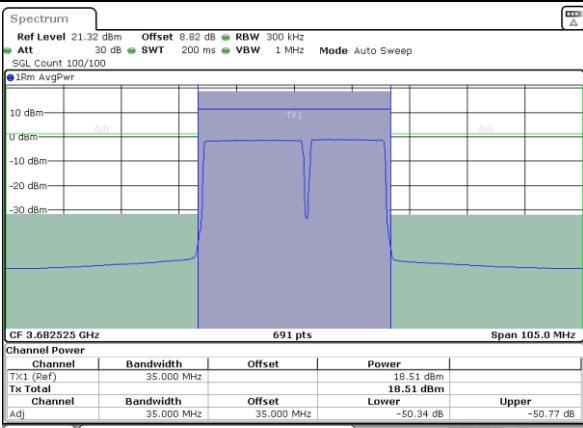
N/A



Date: 12.MAY.2023 21:20:01

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 21:14:11

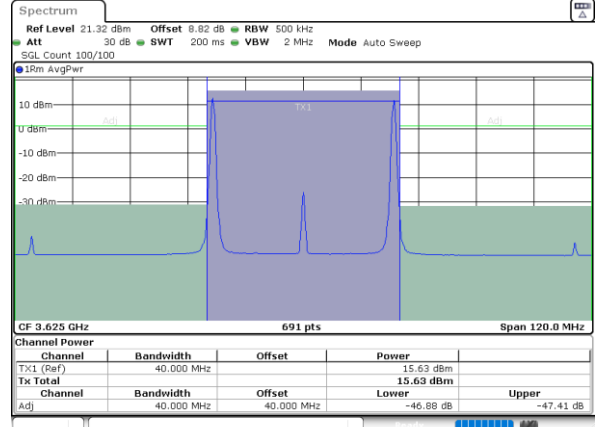
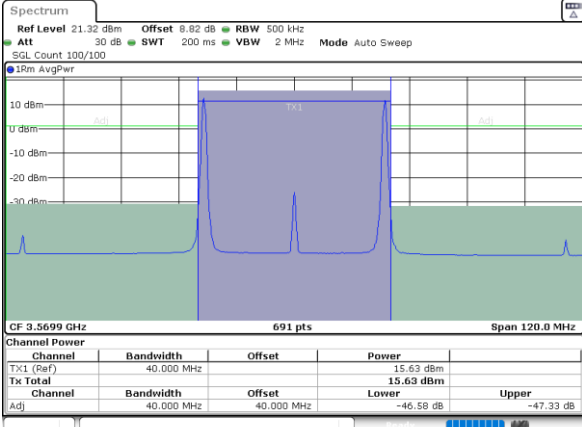


LTE Band 48C / 20MHz+20MHz

256QAM

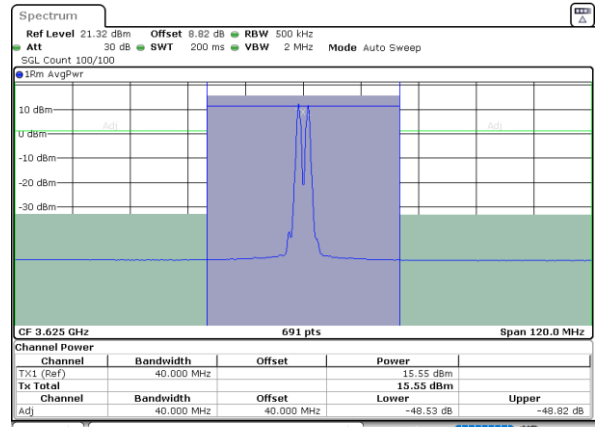
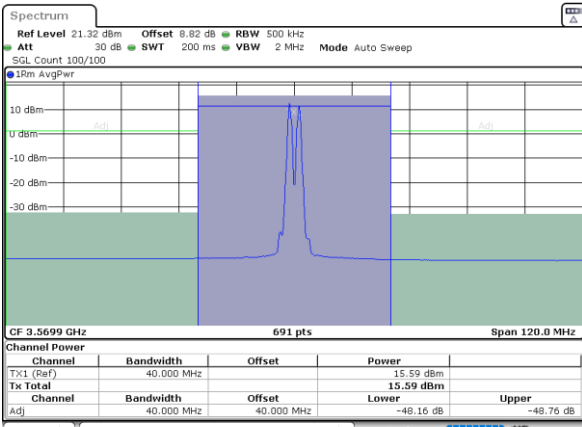
Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99



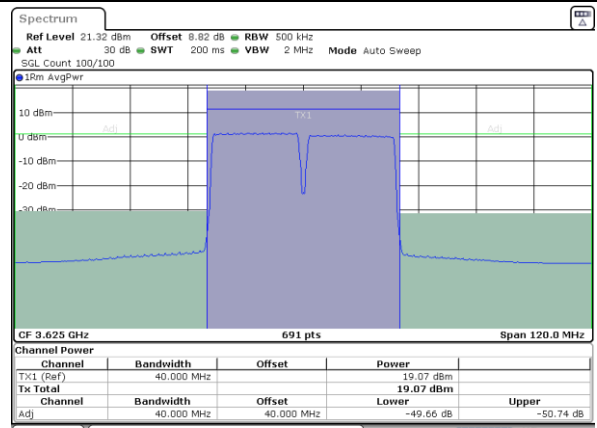
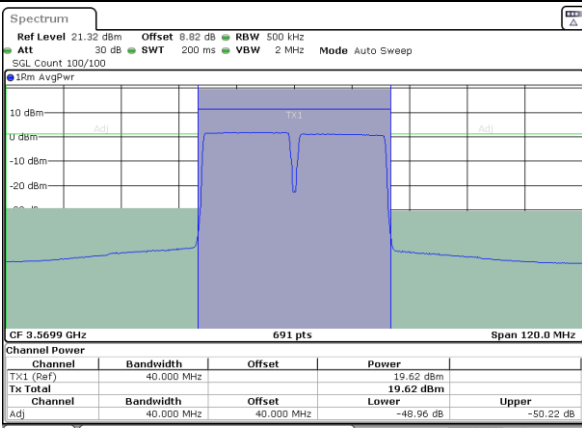
Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



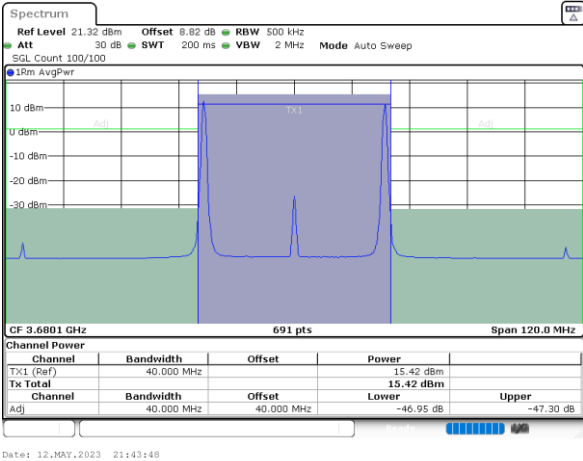


LTE Band 48C / 20MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

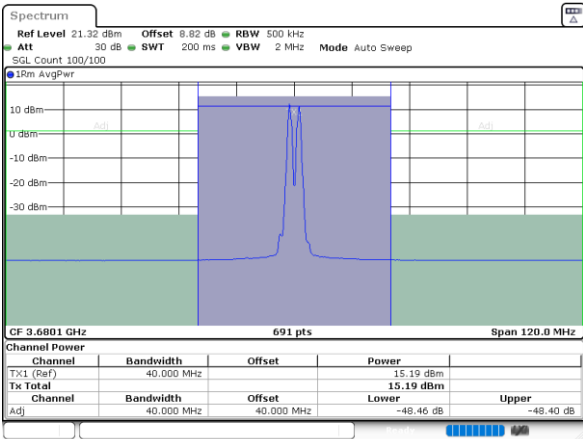
N/A



Date: 12.MAY.2023 21:43:48

Highest Band Edge / 1RB99 and 1RB0

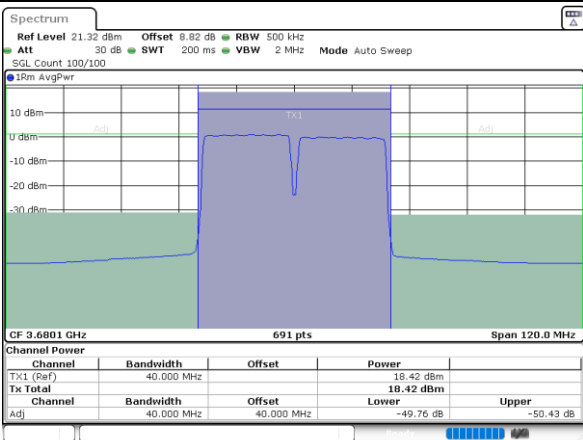
N/A



Date: 12.MAY.2023 21:46:43

Highest Band Edge / Full RB

N/A



Date: 12.MAY.2023 21:40:52



Frequency Stability

Test Conditions		LTE Band 48C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0152	PASS
40	Normal Voltage	0.0113	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0221	
0	Normal Voltage	0.0145	
-10	Normal Voltage	0.0156	
-20	Normal Voltage	0.0143	
-30	Normal Voltage	0.0128	
20	Maximum Voltage	0.0086	
20	Normal Voltage	0.0047	
20	Battery End Point	0.0092	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; 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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to test.

<PCC: 1RB0>

LTE Band 48C_CA / 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	7102	-57.55	-40	-17.55	-69.01	2.84	14.30	H
	10653	-49.99	-40	-9.99	-59.93	3.49	13.43	H
	14204	-59.37	-40	-19.37	-69.61	3.85	14.09	H
	7102	-61.56	-40	-21.56	-73.02	2.84	14.30	V
	10653	-54.78	-40	-14.78	-64.72	3.49	13.43	V
	14204	-59.79	-40	-19.79	-70.03	3.85	14.09	V
Middle	7212	-55.39	-40	-15.39	-66.85	2.84	14.30	H
	10818	-47.68	-40	-7.68	-57.62	3.49	13.43	H
	14424	-59.47	-40	-19.47	-69.71	3.85	14.09	H
	7212	-61.14	-40	-21.14	-72.60	2.84	14.30	V
	10818	-48.55	-40	-8.55	-58.49	3.49	13.43	V
	14424	-59.31	-40	-19.31	-69.55	3.85	14.09	V
Highest	7322	-54.08	-40	-14.08	-65.54	2.84	14.30	H
	10983	-54.39	-40	-14.39	-64.33	3.49	13.43	H
	14646	-59.30	-40	-19.30	-69.54	3.85	14.09	H
	7322	-61.67	-40	-21.67	-73.13	2.84	14.30	V
	10983	-50.41	-40	-10.41	-60.35	3.49	13.43	V
	14646	-59.48	-40	-19.48	-69.72	3.85	14.09	V



<SCC: 1RB MAX>

LTE Band 48C_CA / 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	-60.24	-40	-20.24	-71.70	2.84	14.30	H
	10710	-57.30	-40	-17.30	-67.24	3.49	13.43	H
	14283	-60.13	-40	-20.13	-70.37	3.85	14.09	H
	7140	-62.04	-40	-22.04	-73.50	2.84	14.30	V
	10710	-58.88	-40	-18.88	-68.82	3.49	13.43	V
	14283	-60.38	-40	-20.38	-70.62	3.85	14.09	V
Middle	7251	-57.63	-40	-17.63	-69.09	2.84	14.30	H
	10878	-53.91	-40	-13.91	-63.85	3.49	13.43	H
	14502	-59.29	-40	-19.29	-69.53	3.85	14.09	H
	7251	-62.45	-40	-22.45	-73.91	2.84	14.30	V
	10878	-55.84	-40	-15.84	-65.78	3.49	13.43	V
	14502	-59.23	-40	-19.23	-69.47	3.85	14.09	V
Highest	7362	-58.67	-40	-18.67	-70.13	2.84	14.30	H
	11043	-60.77	-40	-20.77	-70.71	3.49	13.43	H
	14724	-59.71	-40	-19.71	-69.95	3.85	14.09	H
	7362	-62.30	-40	-22.30	-73.76	2.84	14.30	V
	11043	-59.80	-40	-19.80	-69.74	3.49	13.43	V
	14724	-59.57	-40	-19.57	-69.81	3.85	14.09	V

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