

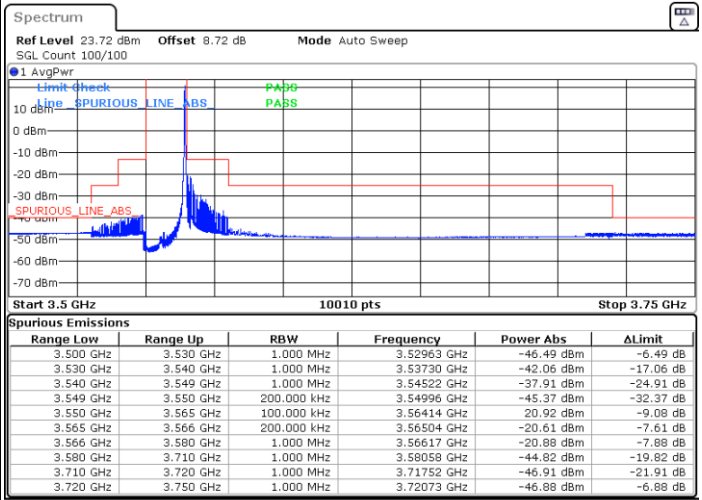
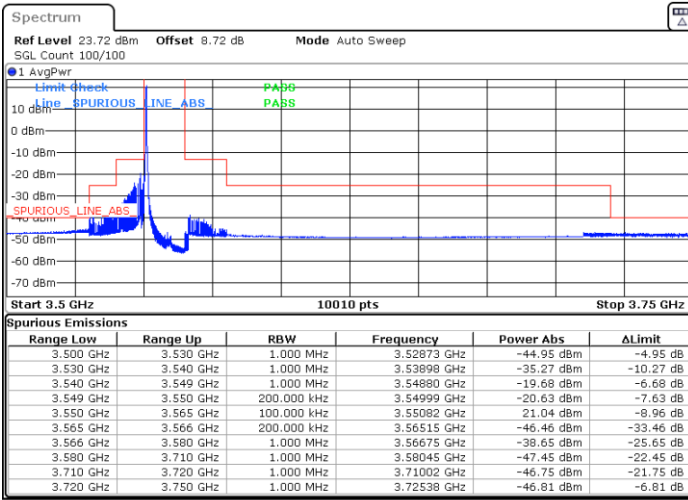


LTE Band 48 / 15MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

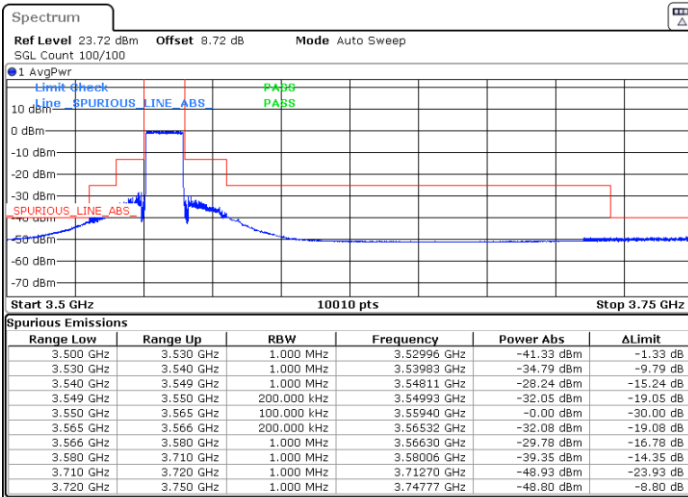


Date: 20 JUN.2022 01:55:21

Date: 20 JUN.2022 02:02:51

Lowest Channel / Full RB

N/A



Date: 17 JUN.2022 13:39:34

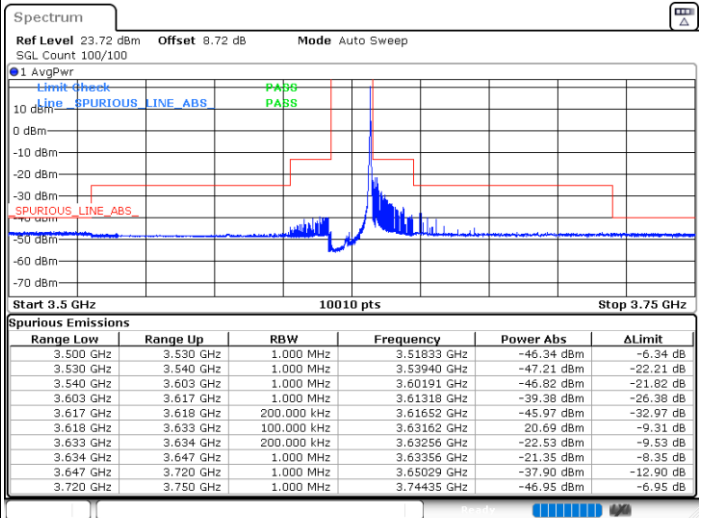
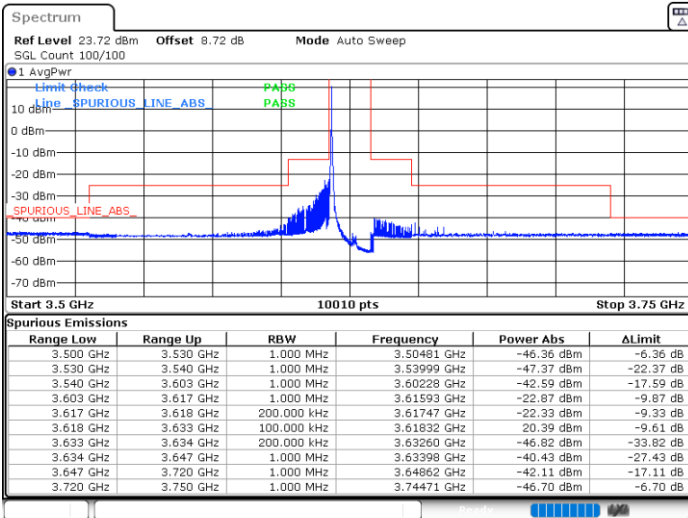


LTE Band 48 / 15MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

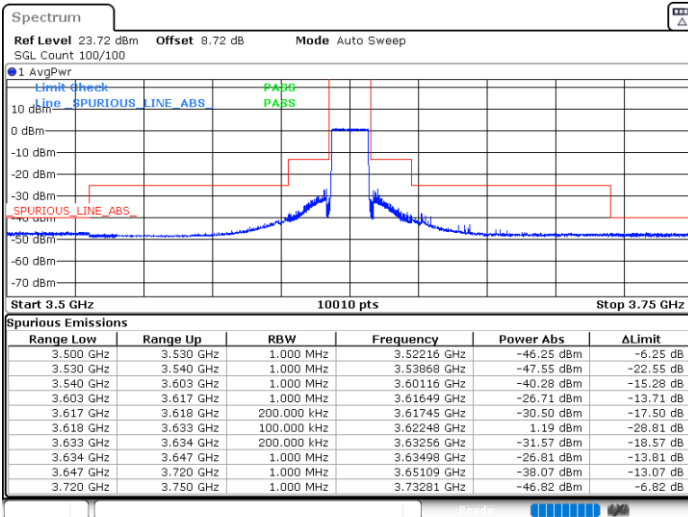


Date: 20 JUN.2022 02:17:52

Date: 20 JUN.2022 02:25:21

Middle Channel / Full RB

N/A



Date: 20 JUN.2022 02:32:50

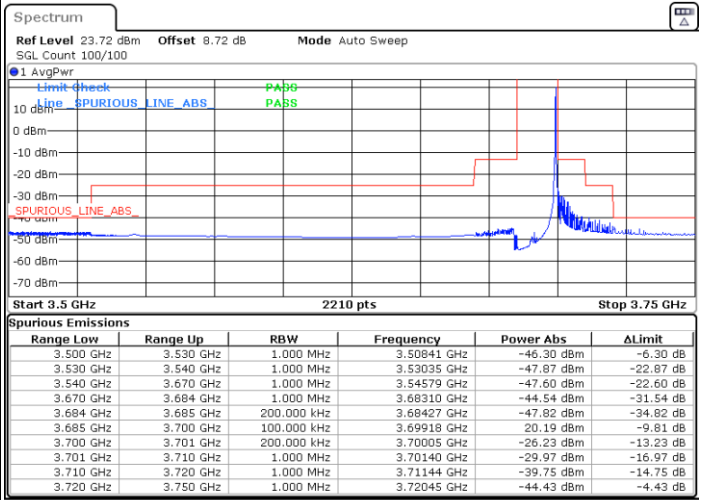
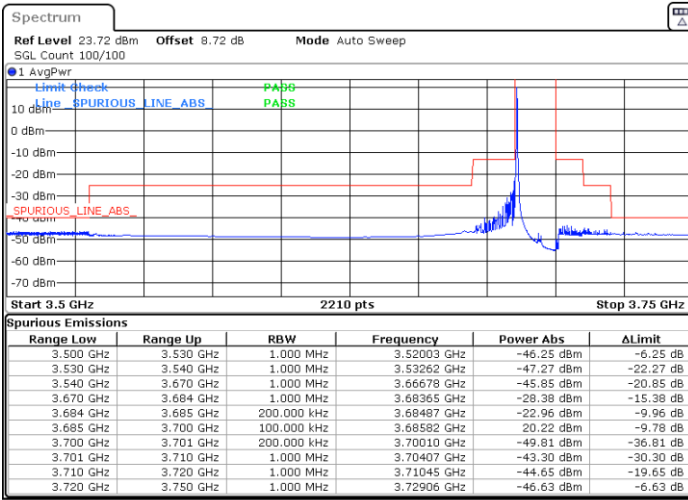


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

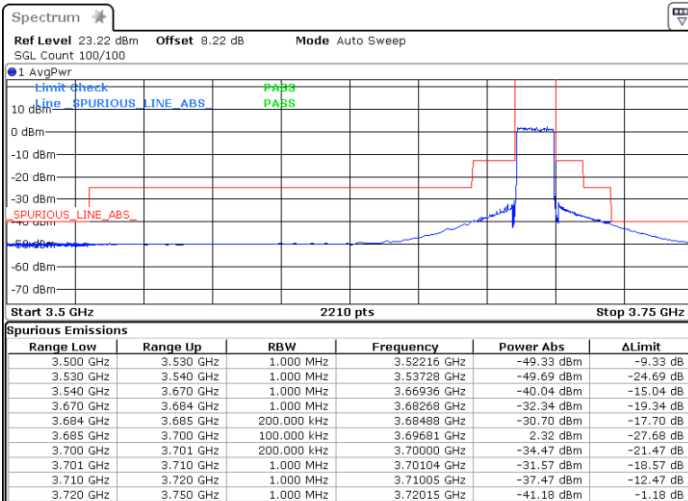


Date: 20 JUN 2022 02:40:20

Date: 20 JUN 2022 02:47:50

Highest Channel / Full RB

N/A



Date: 26 MAY 2022 16:13:22

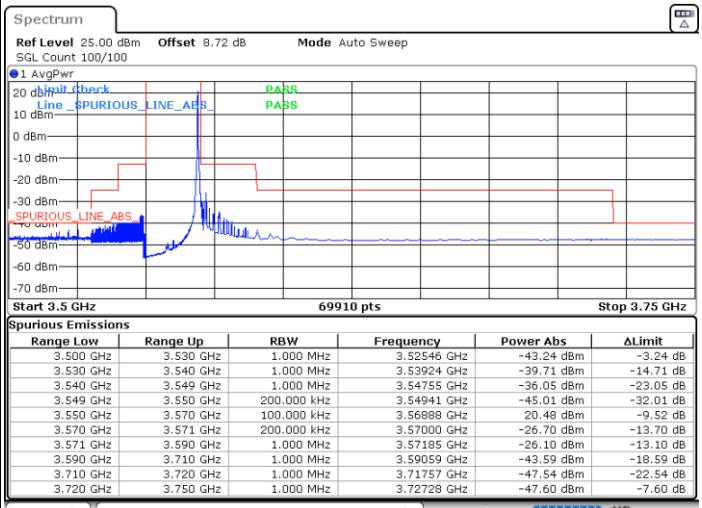
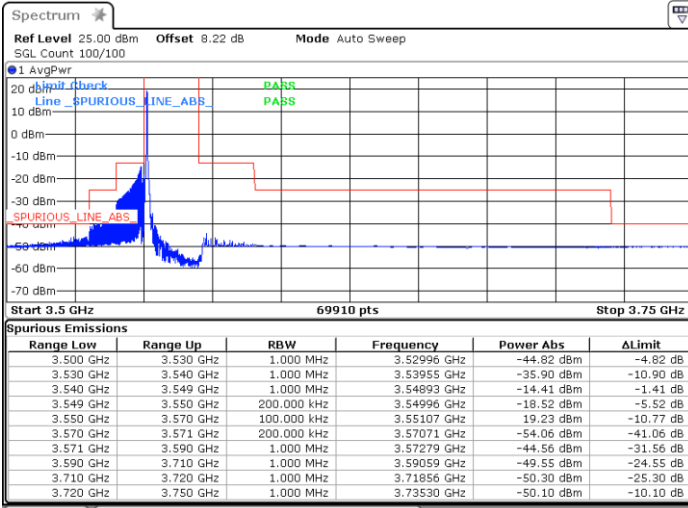


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

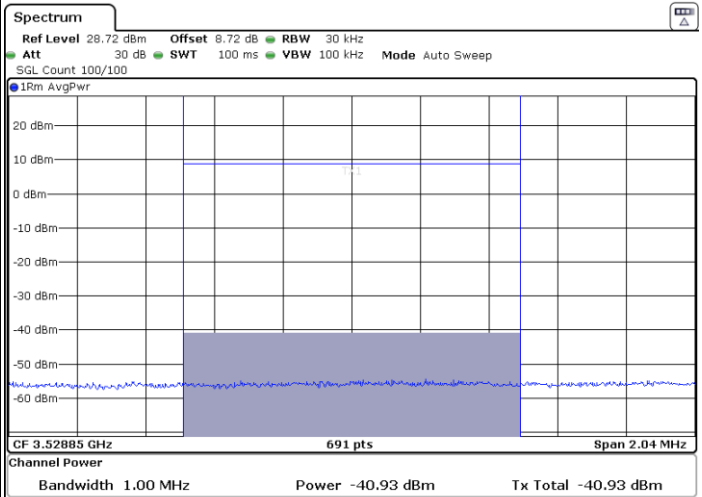
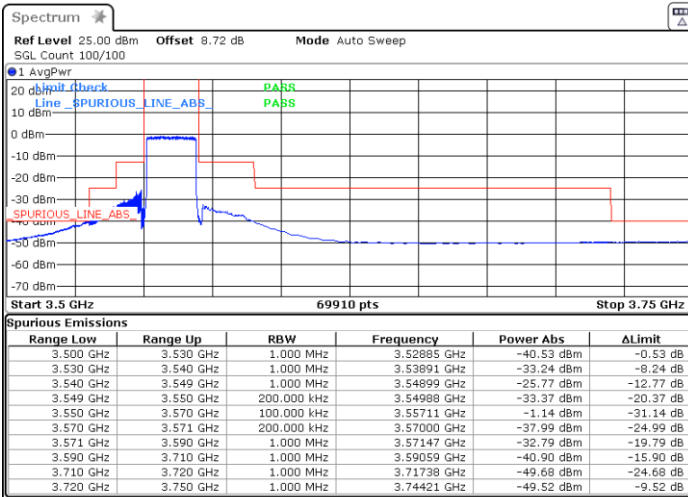


Date: 26.MAY.2022 16:48:59

Date: 20.JUN.2022 03:14:31

Lowest Channel / Full RB

Lowest Channel / Full RB



Date: 17.JUN.2022 13:49:14

Date: 17.JUN.2022 13:51:28

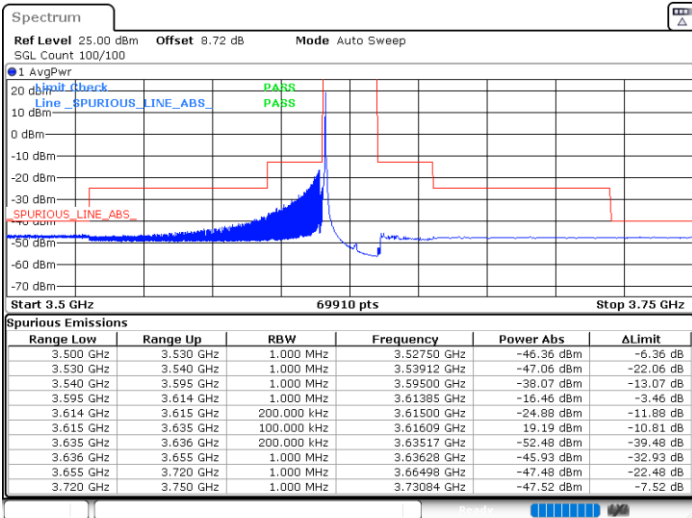


LTE Band 48 / 20MHz

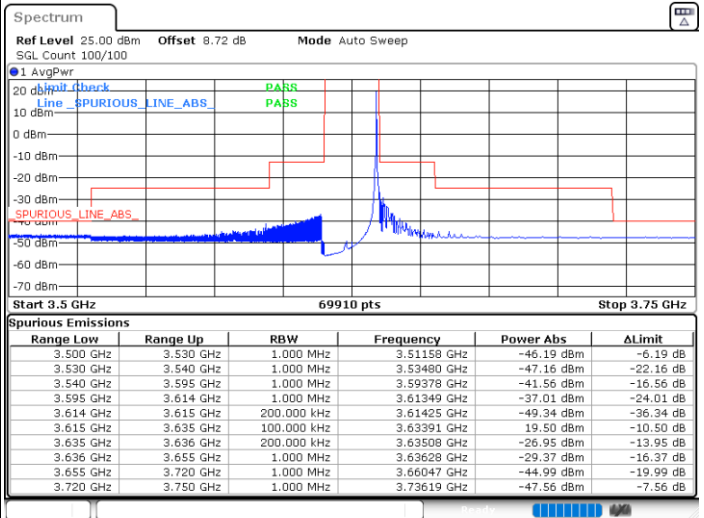
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



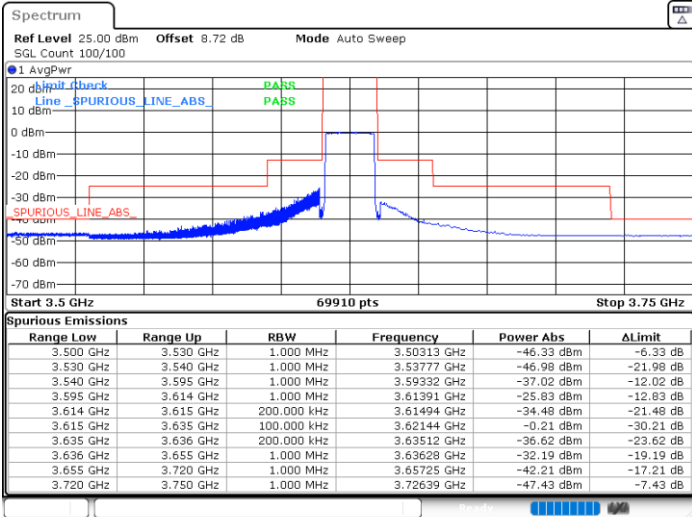
Date: 20 JUN 2022 03:26:35



Date: 20 JUN 2022 03:32:36

Middle Channel / Full RB

N/A



Date: 20 JUN 2022 03:38:37

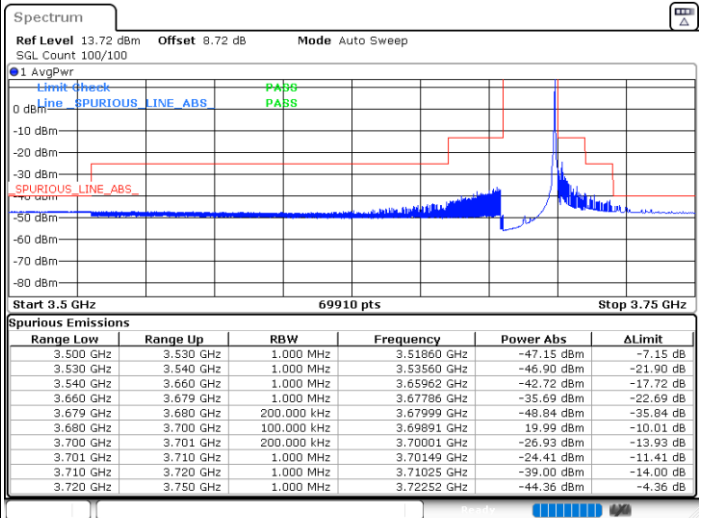
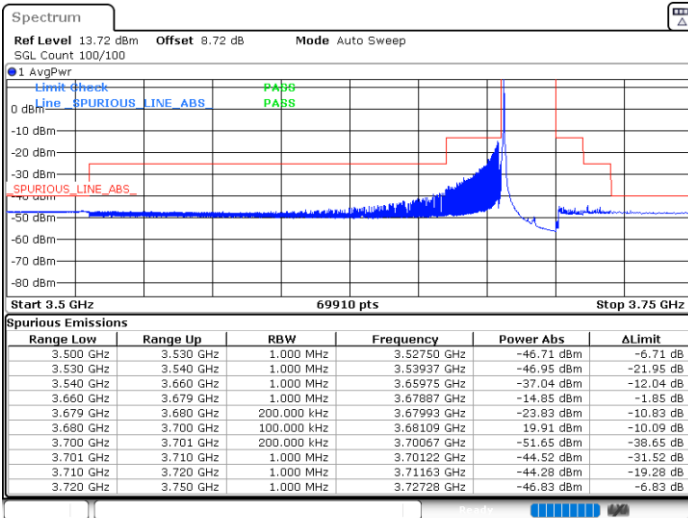


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

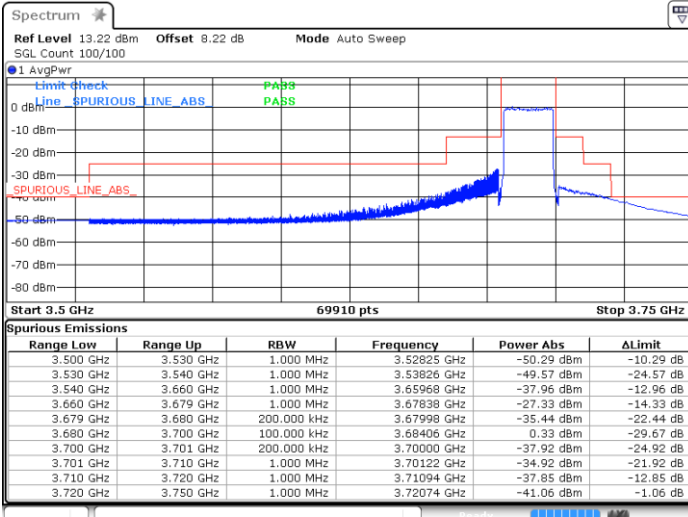


Date: 20 JUN 2022 03:44:38

Date: 20 JUN 2022 03:50:40

Highest Channel / Full RB

N/A



Date: 26 MAY 2022 17:50:28

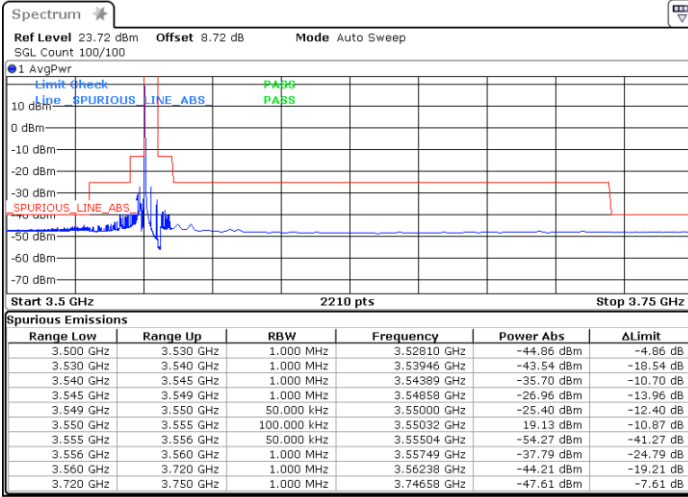


LTE Band 48 / 5MHz

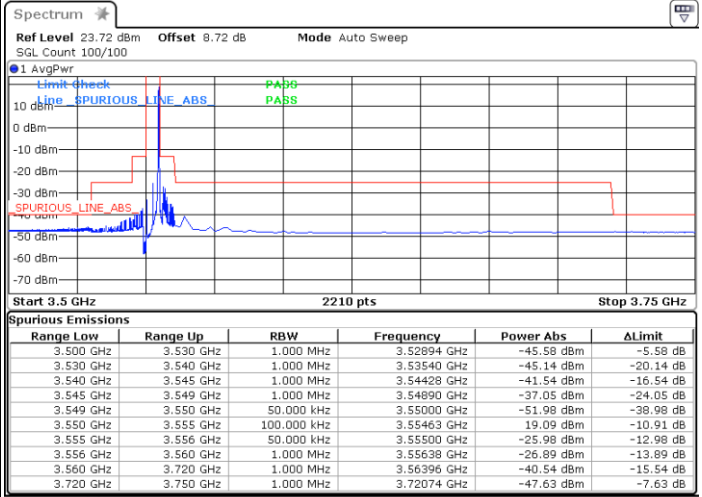
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



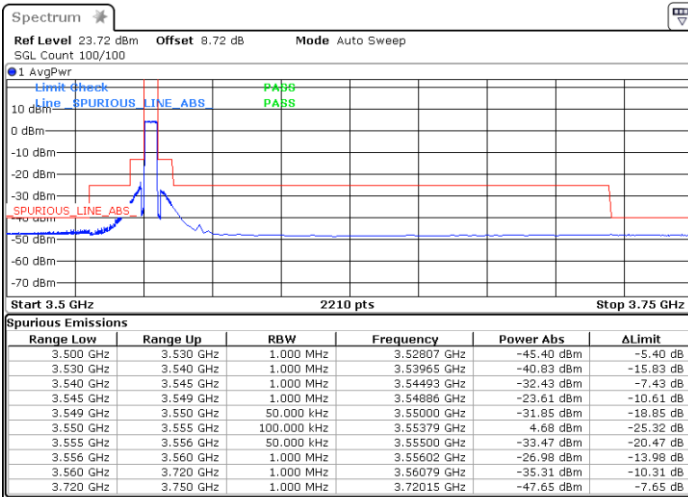
Date: 19. JUN. 2022 17:12:05



Date: 19. JUN. 2022 16:48:50

Lowest Channel / Full RB

N/A



Date: 19. JUN. 2022 17:06:12

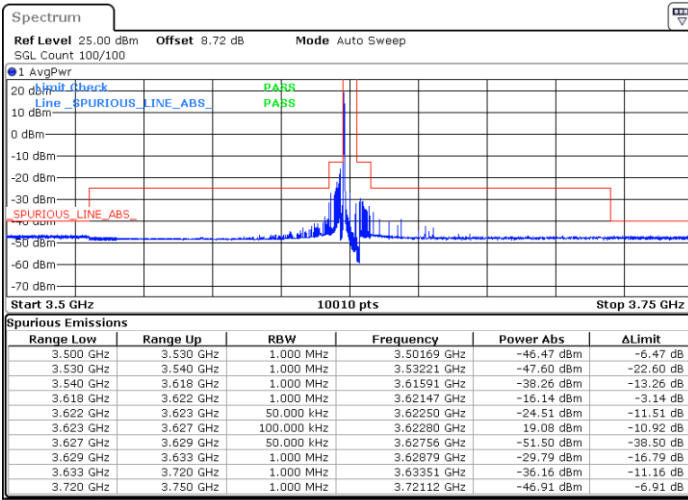


LTE Band 48 / 5MHz

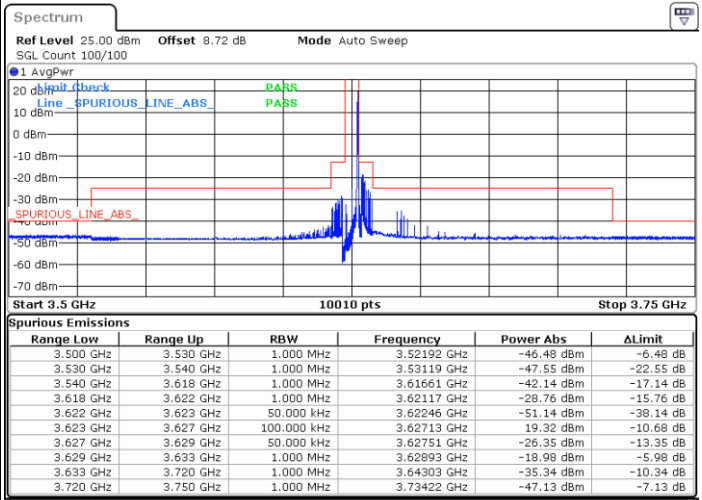
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



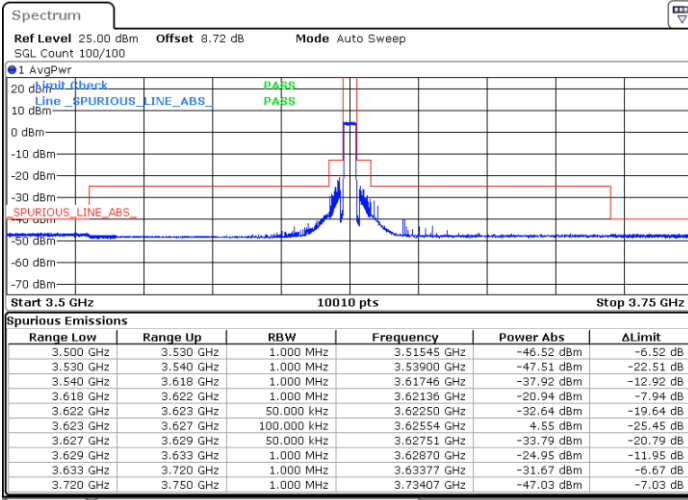
Date: 19. JUN. 2022 16:01:16



Date: 19. JUN. 2022 16:51:36

Middle Channel / Full RB

N/A



Date: 19. JUN. 2022 16:22:19

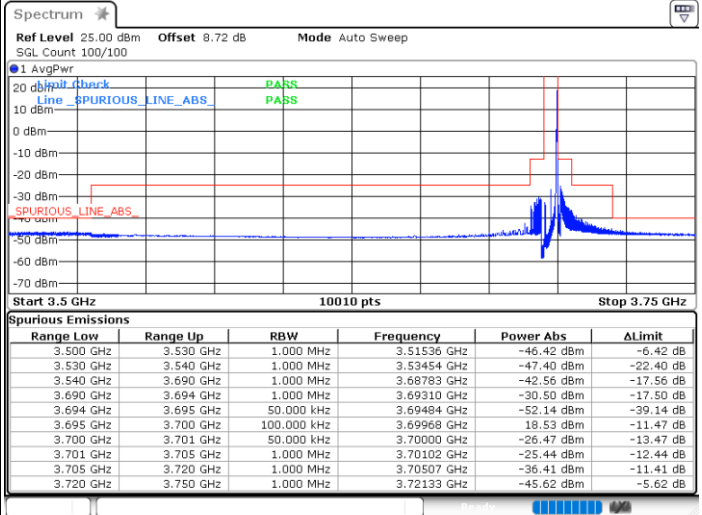
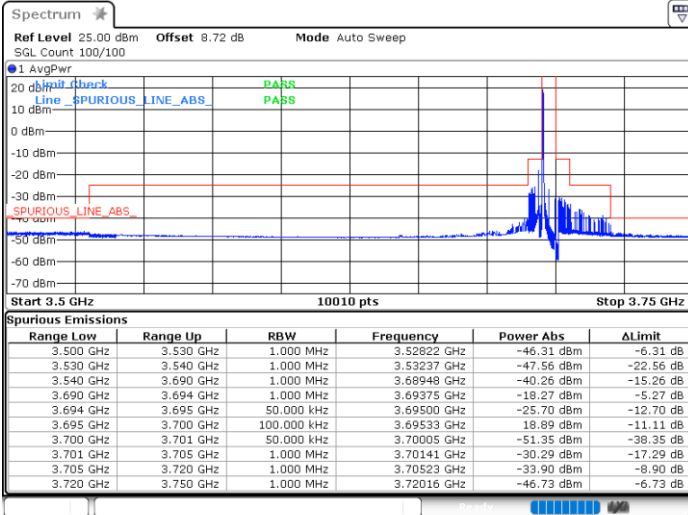


LTE Band 48 / 5MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

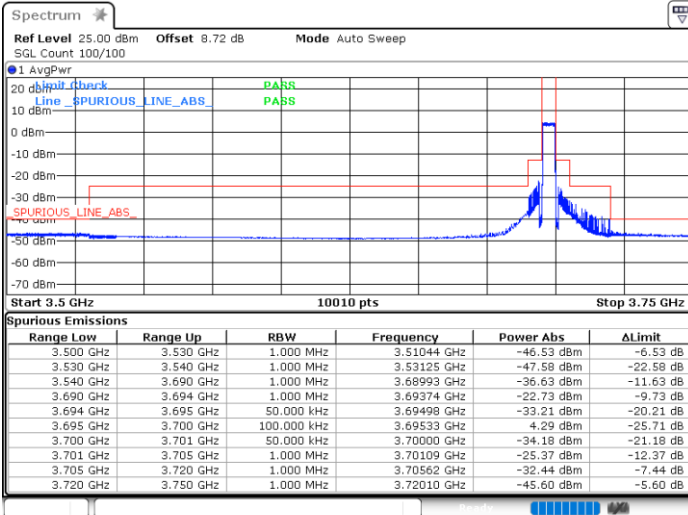


Date: 19. JUN. 2022 16:12:57

Date: 19. JUN. 2022 17:03:17

Highest Channel / Full RB

N/A



Date: 19. JUN. 2022 16:34:23

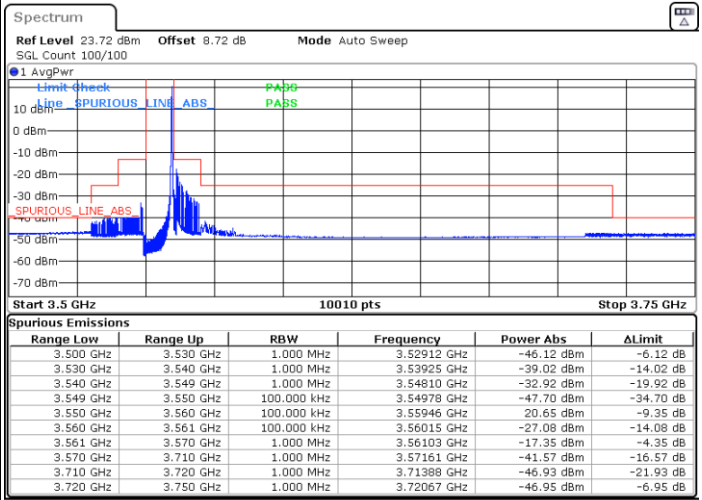
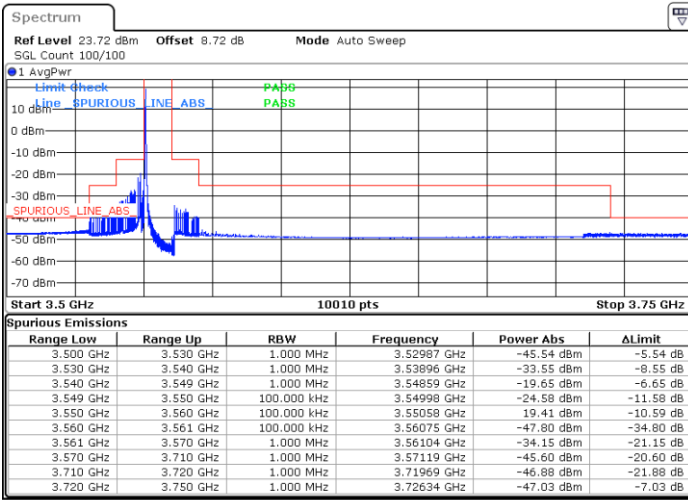


LTE Band 48 / 10MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

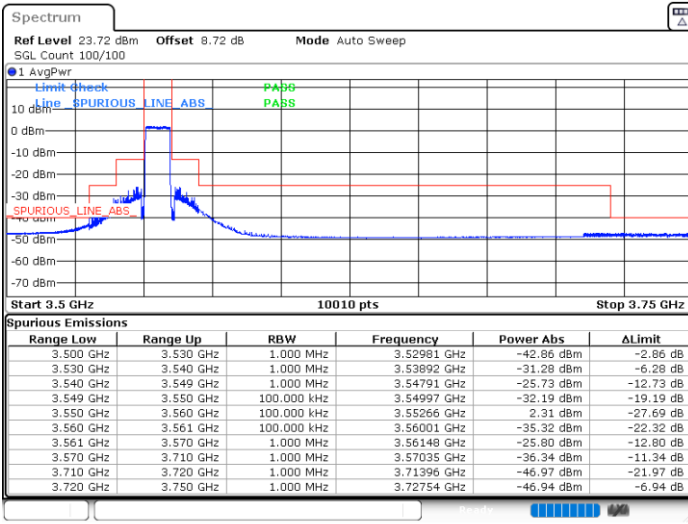


Date: 19. JUN. 2022 17:18:06

Date: 20. JUN. 2022 00:29:00

Lowest Channel / Full RB

N/A



Date: 20. JUN. 2022 00:37:22

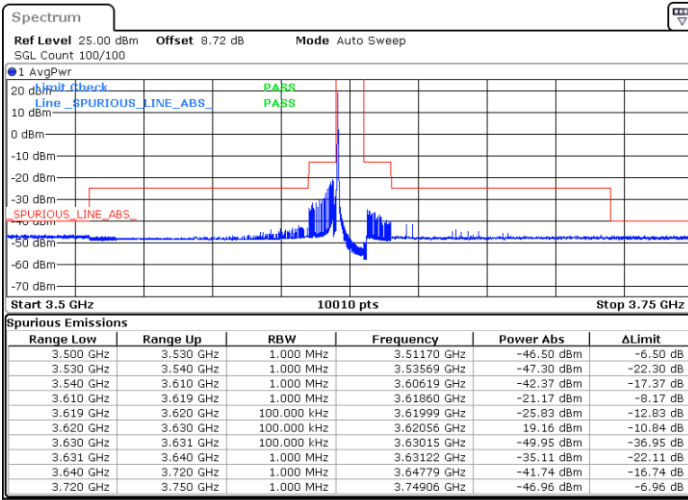


LTE Band 48 / 10MHz

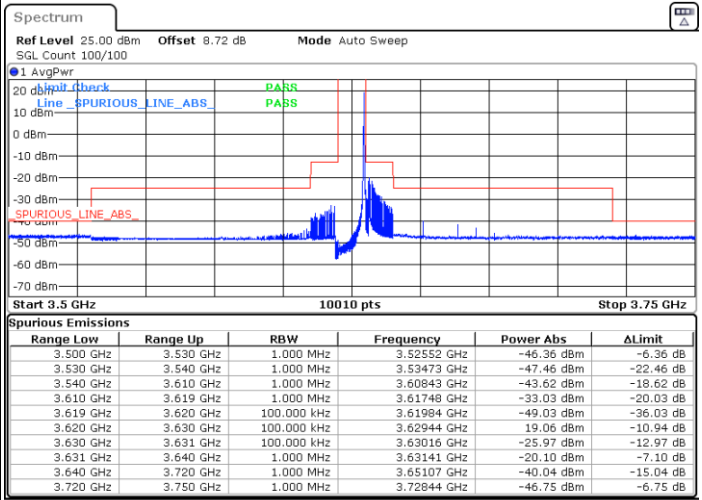
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



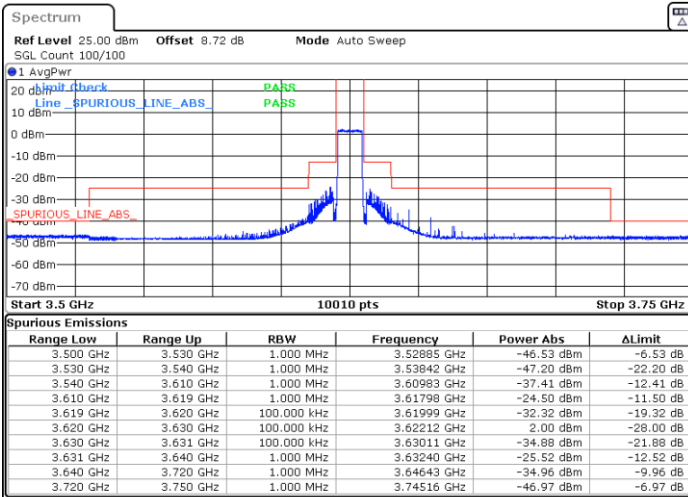
Date: 19. JUN. 2022 17:37:28



Date: 20. JUN. 2022 00:42:21

Middle Channel / Full RB

N/A



Date: 20. JUN. 2022 00:44:01

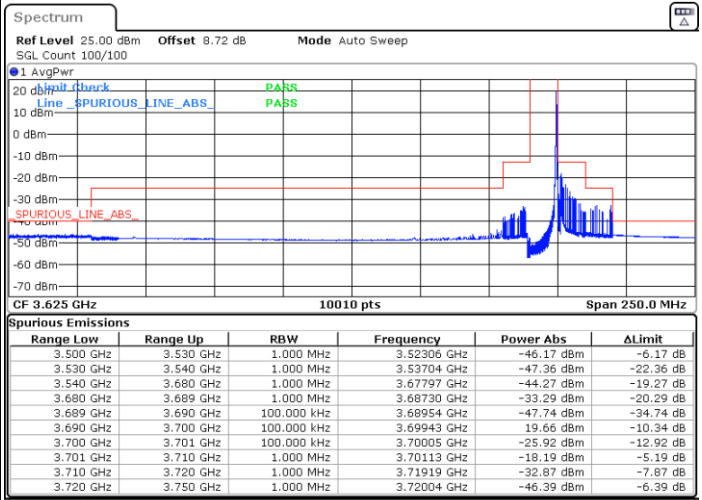
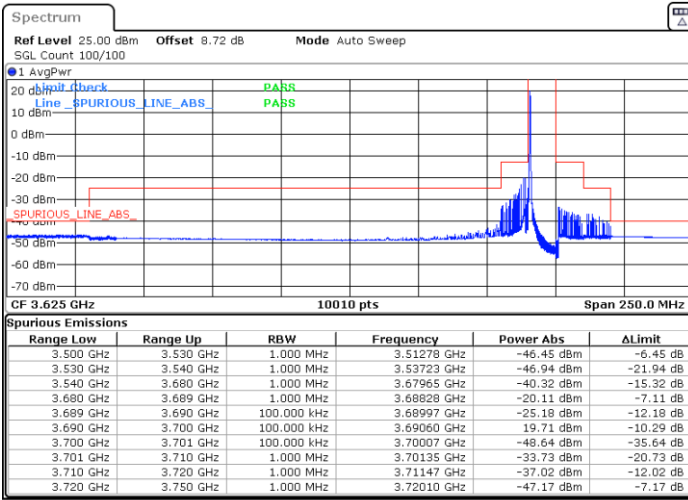


LTE Band 48 / 10MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

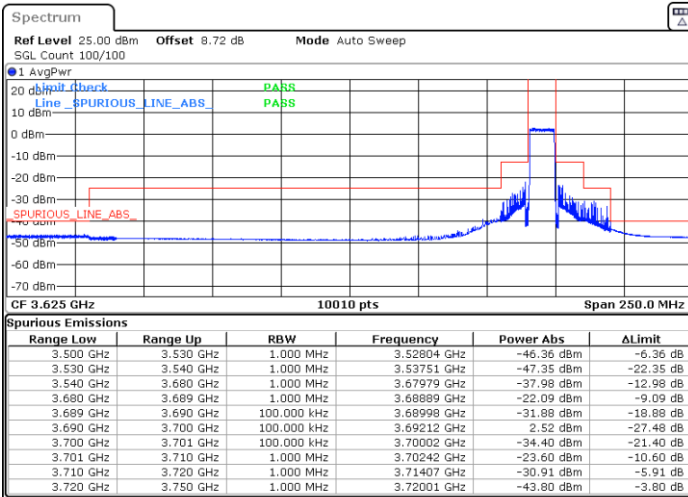


Date: 20 JUN.2022 01:34:44

Date: 20 JUN.2022 01:37:20

Highest Channel / Full RB

N/A



Date: 20 JUN.2022 01:50:19

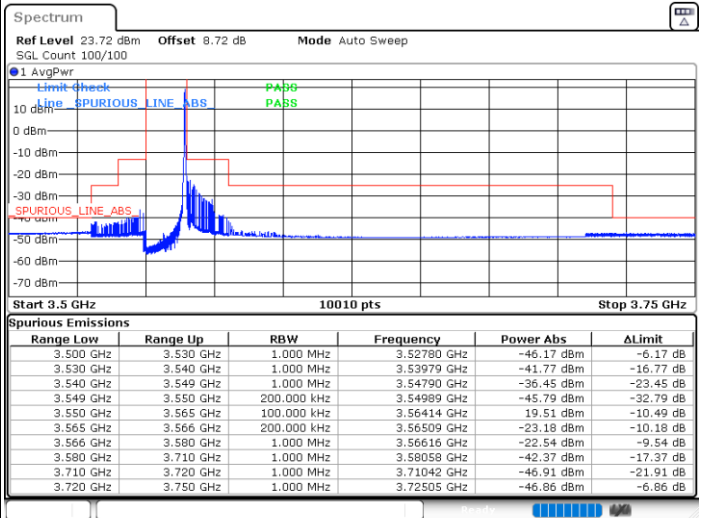
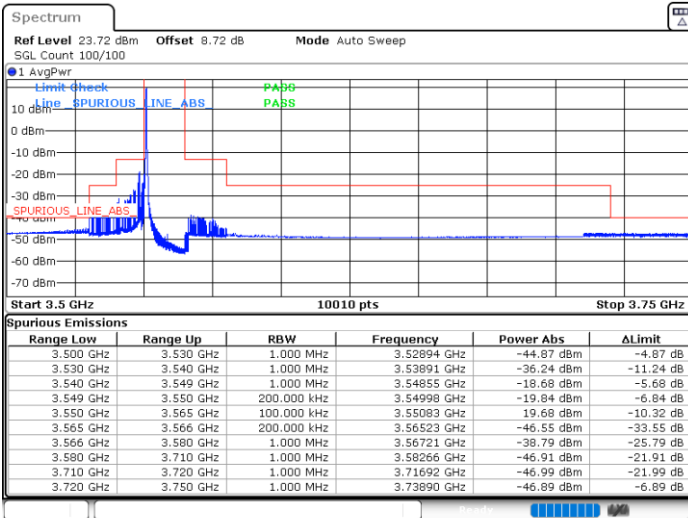


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

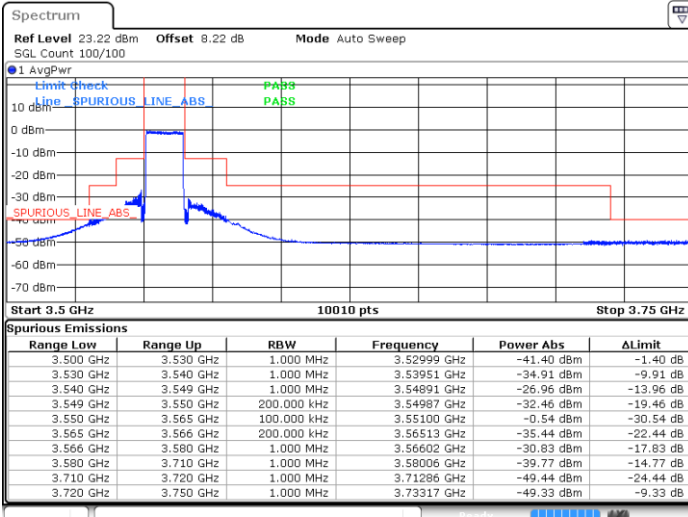


Date: 20 JUN 2022 01:57:51

Date: 20 JUN 2022 02:05:21

Lowest Channel / Full RB

N/A



Date: 26 MAY 2022 15:33:22

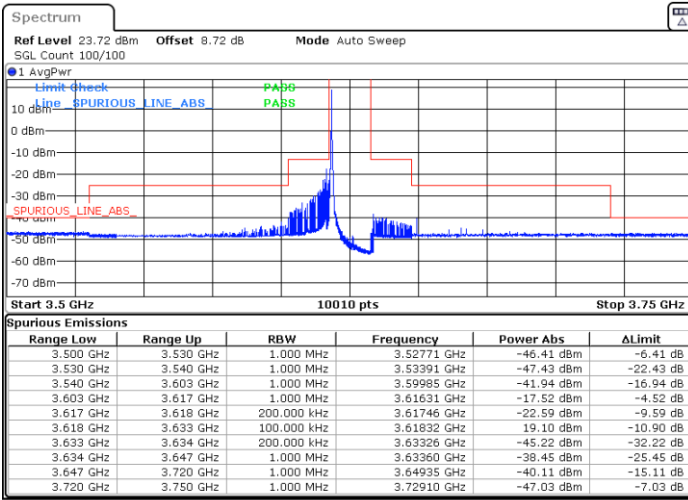


LTE Band 48 / 15MHz

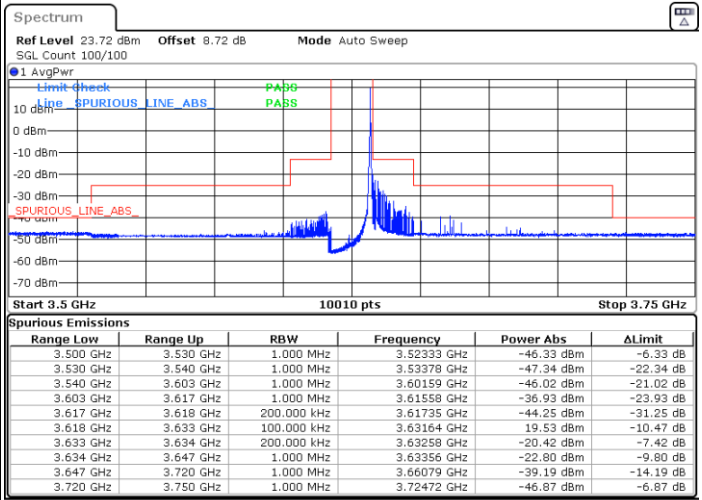
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



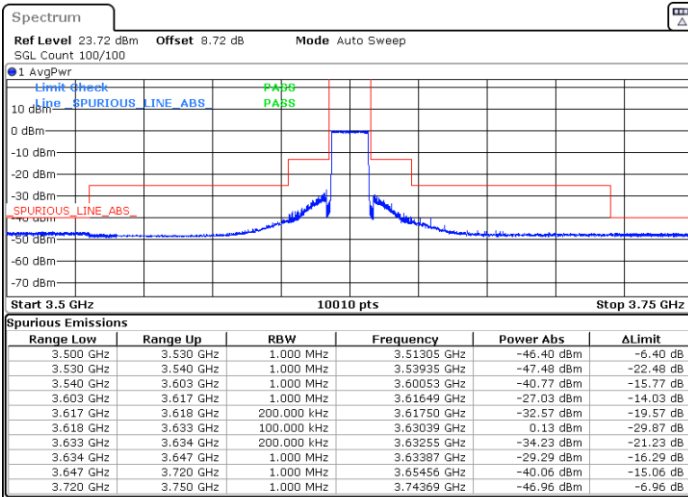
Date: 20 JUN.2022 02:20:21



Date: 20 JUN.2022 02:22:52

Middle Channel / Full RB

N/A



Date: 20 JUN.2022 02:35:19

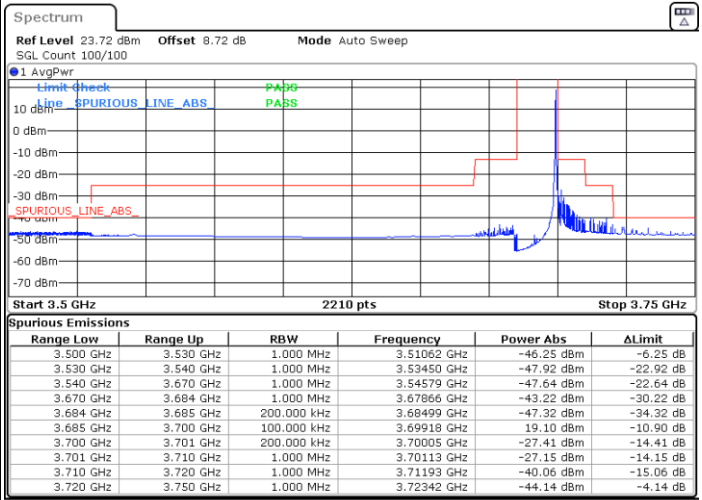
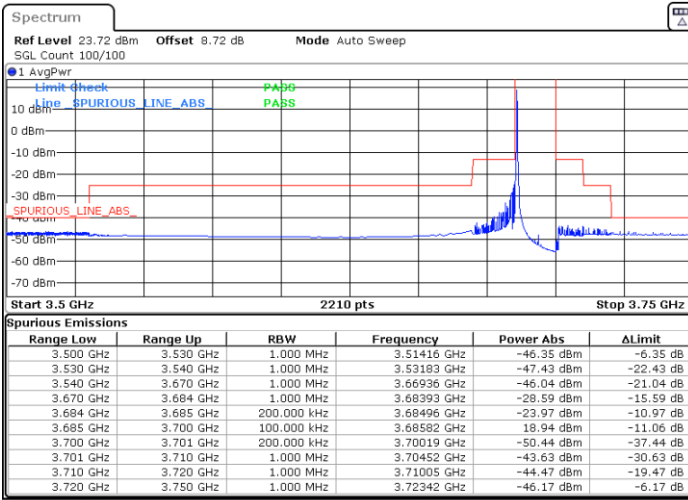


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

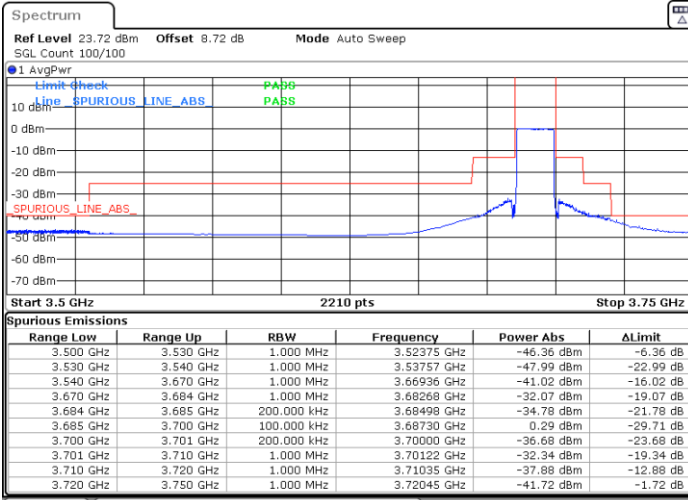


Date: 20 JUN.2022 02:42:50

Date: 20 JUN.2022 02:45:20

Highest Channel / Full RB

N/A



Date: 20 JUN.2022 02:57:51

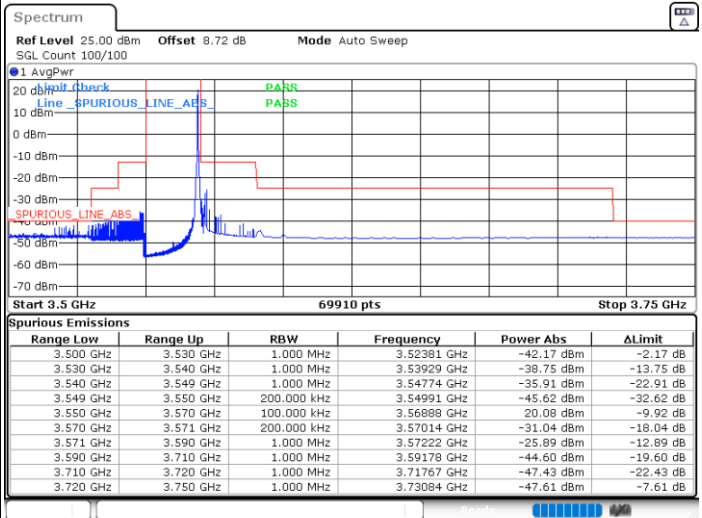
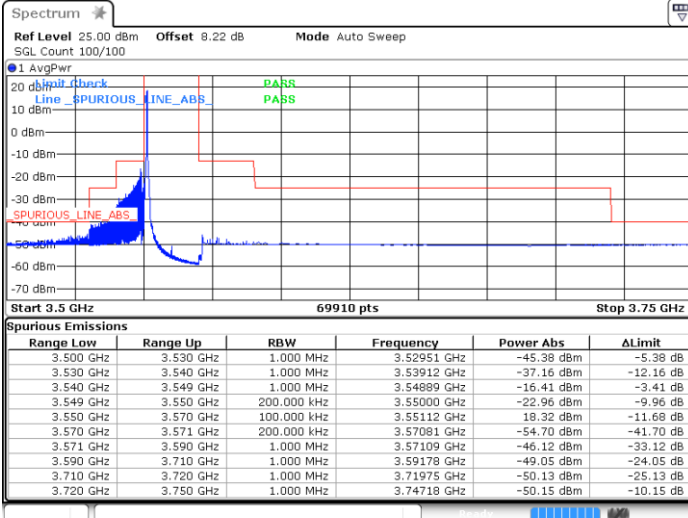


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

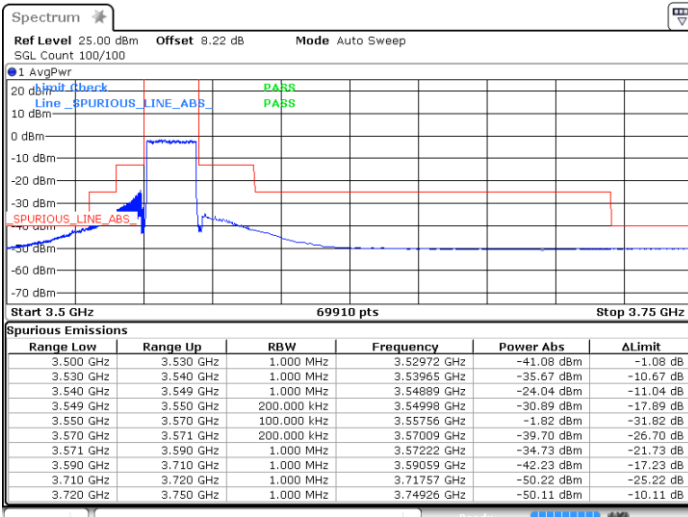


Date: 26 MAY 2022 16:51:21

Date: 20 JUN 2022 03:12:30

Lowest Channel / Full RB

N/A



Date: 26 MAY 2022 16:36:57

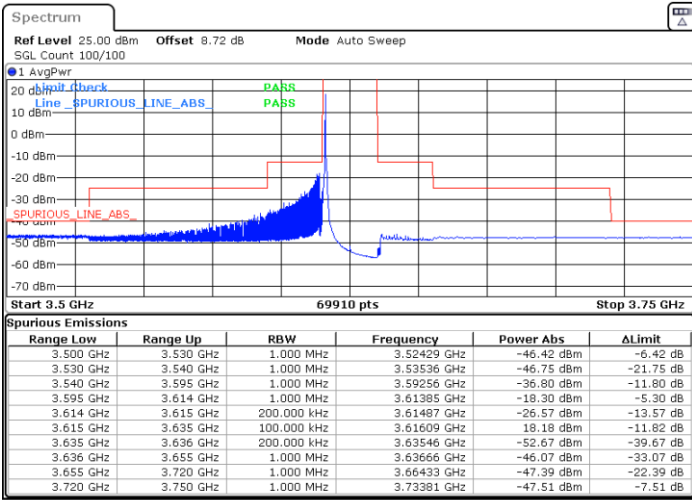


LTE Band 48 / 20MHz

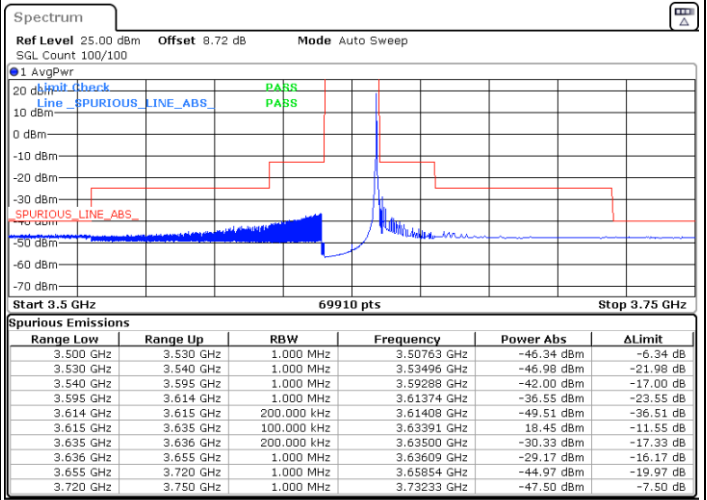
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



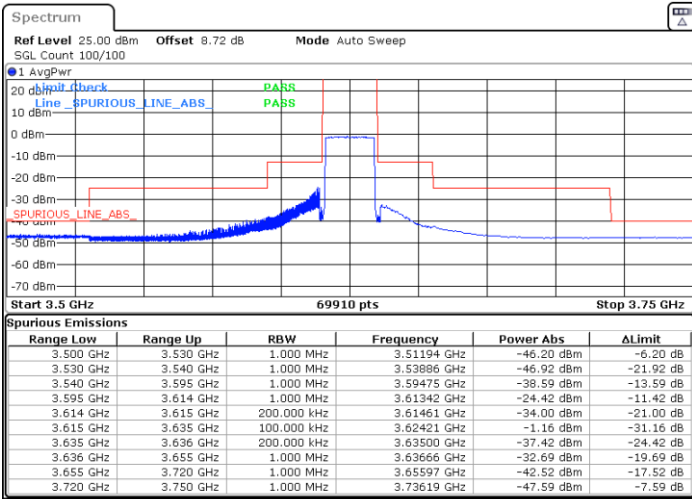
Date: 20 JUN 2022 03:28:35



Date: 20 JUN 2022 03:30:36

Middle Channel / Full RB

N/A



Date: 20 JUN 2022 03:40:37

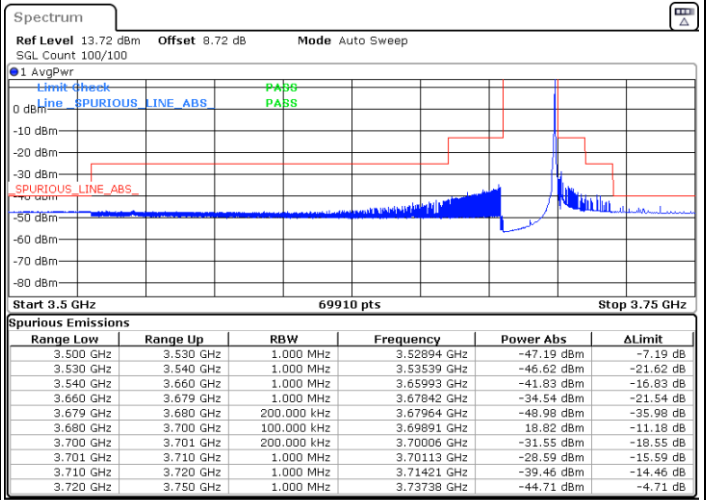
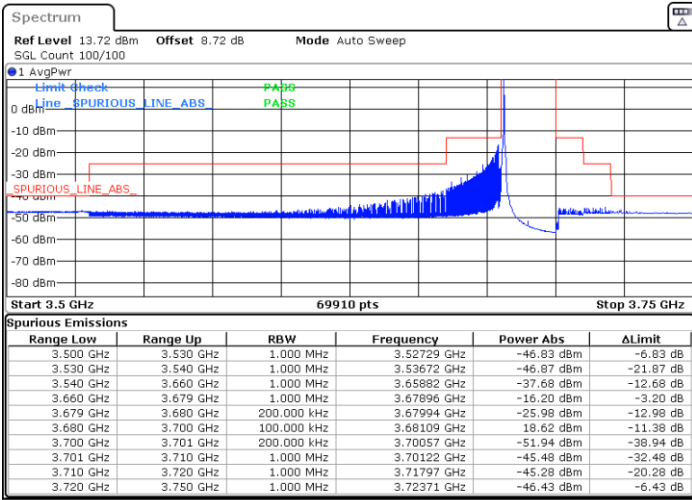


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

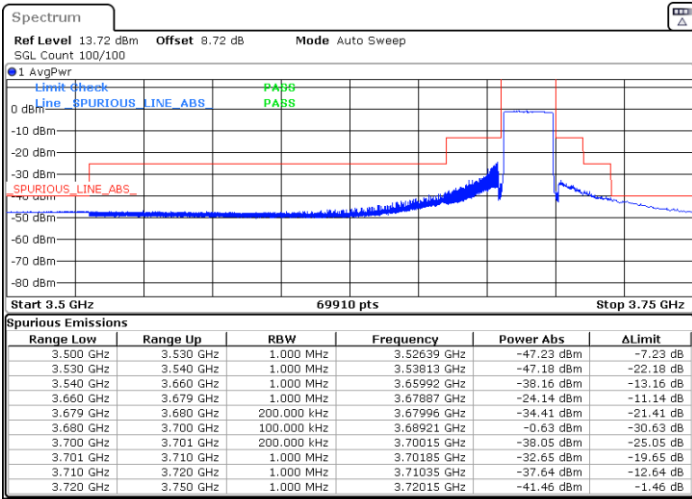


Date: 20 JUN.2022 03:46:39

Date: 20 JUN.2022 03:48:39

Highest Channel / Full RB

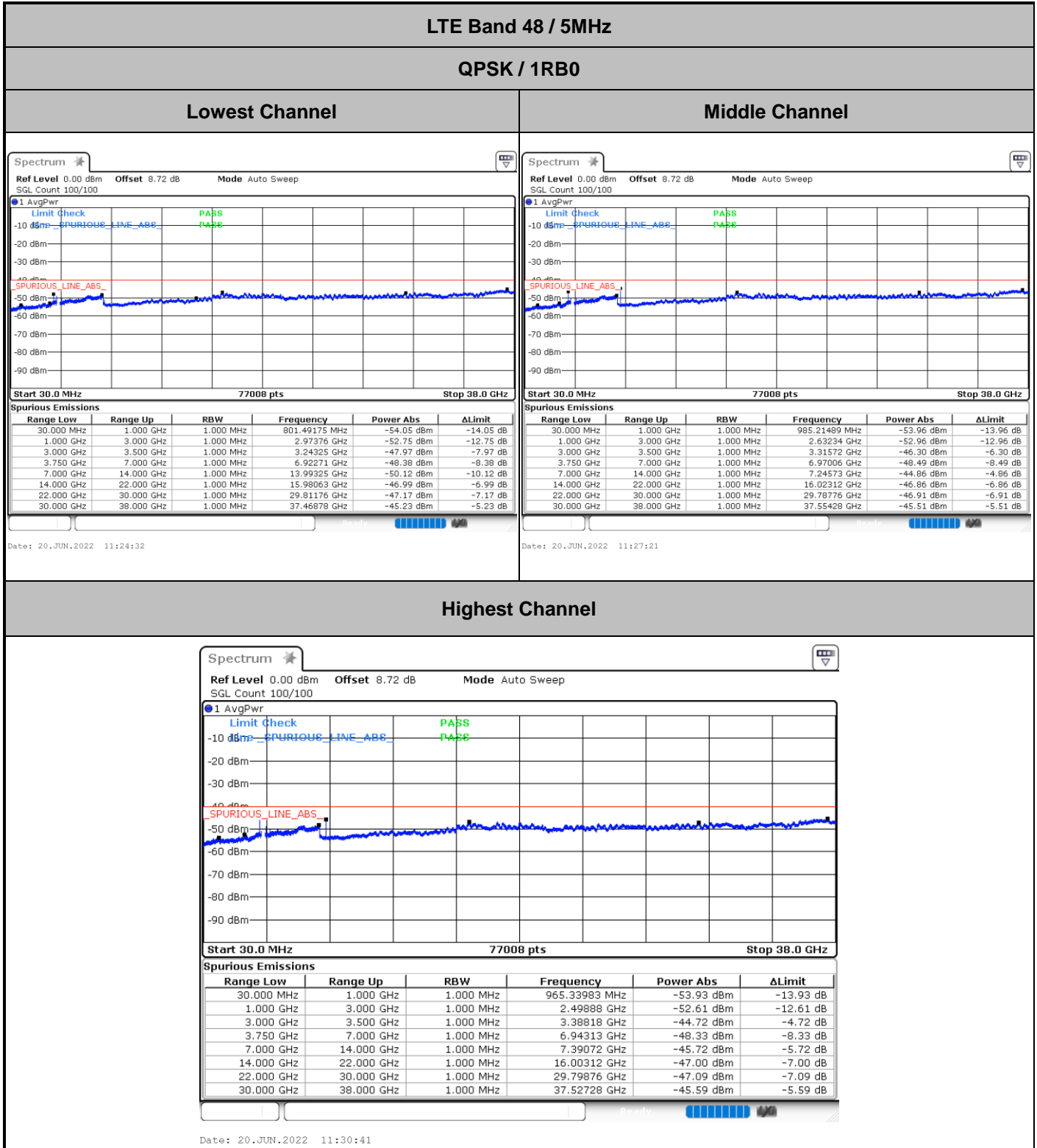
N/A



Date: 20 JUN.2022 03:58:43



Conducted Spurious Emission



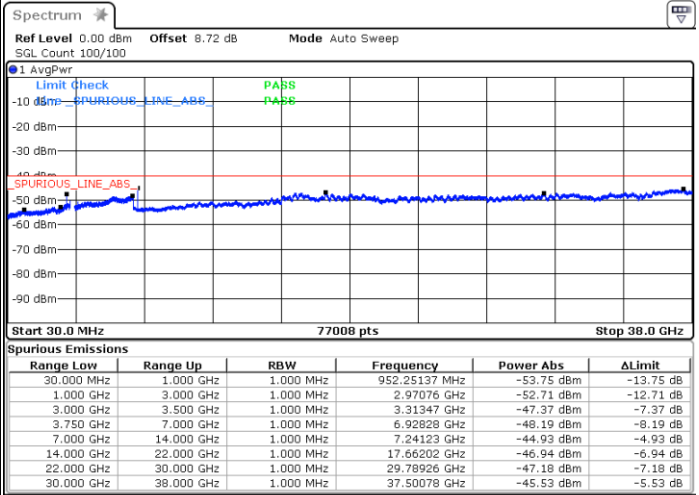
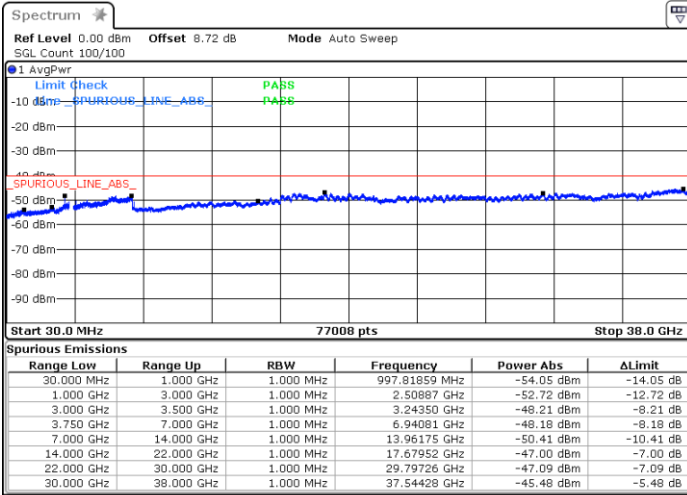


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

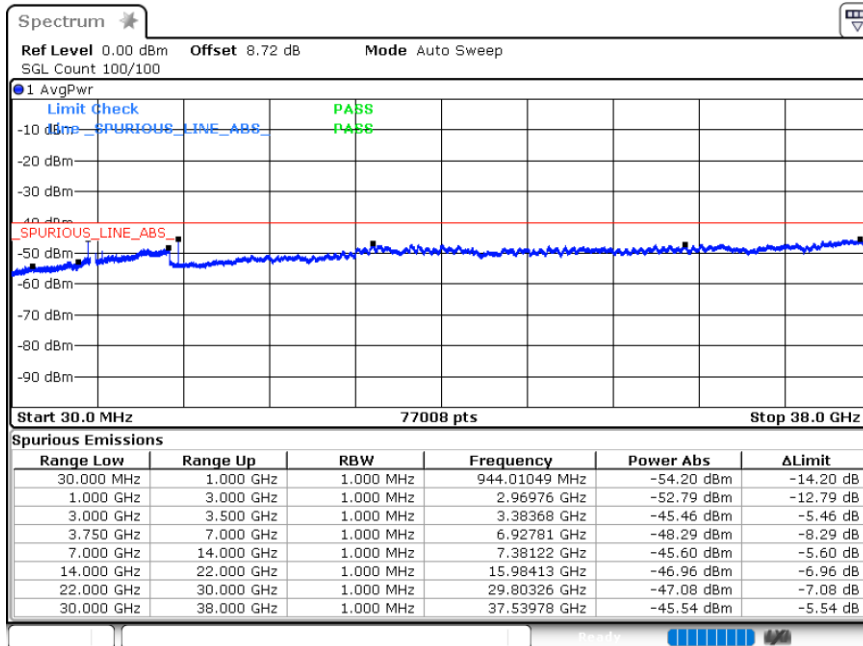
Middle Channel



Date: 20.JUN.2022 11:35:17

Date: 20.JUN.2022 11:37:13

Highest Channel



Date: 20.JUN.2022 11:40:43

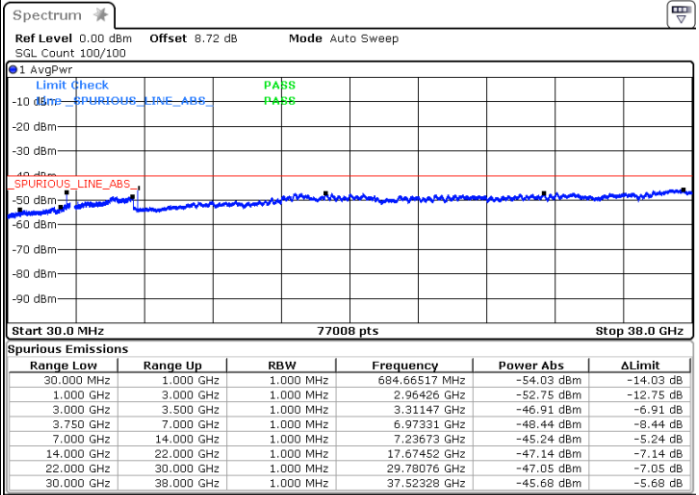
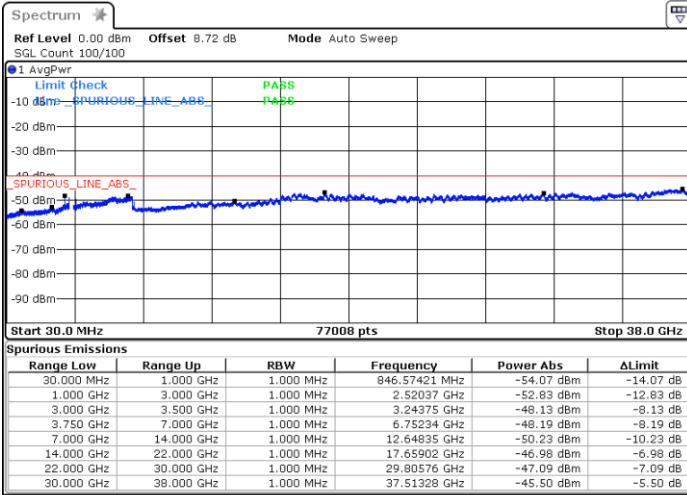


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

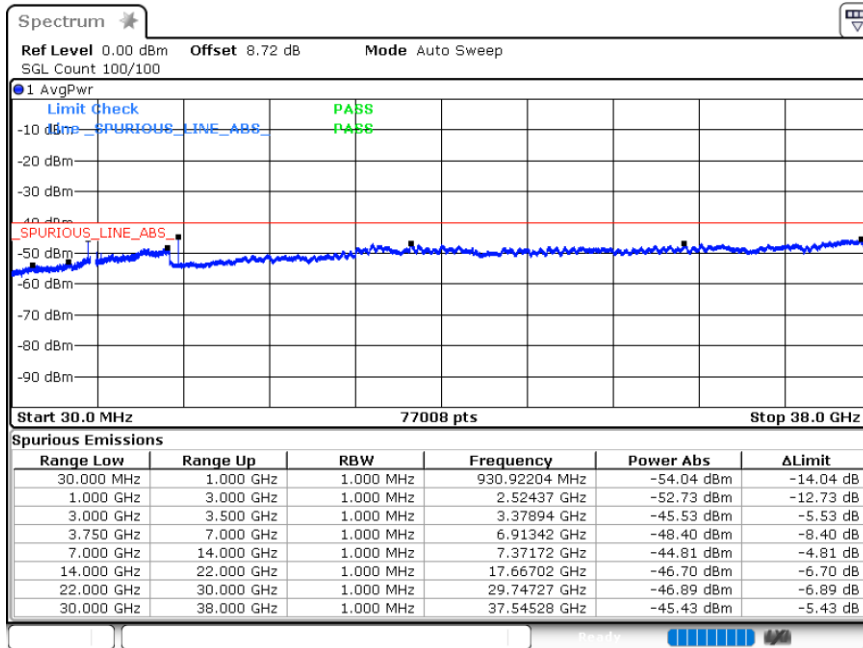
Middle Channel



Date: 20.JUN.2022 11:42:46

Date: 20.JUN.2022 11:45:14

Highest Channel



Date: 20.JUN.2022 11:52:35

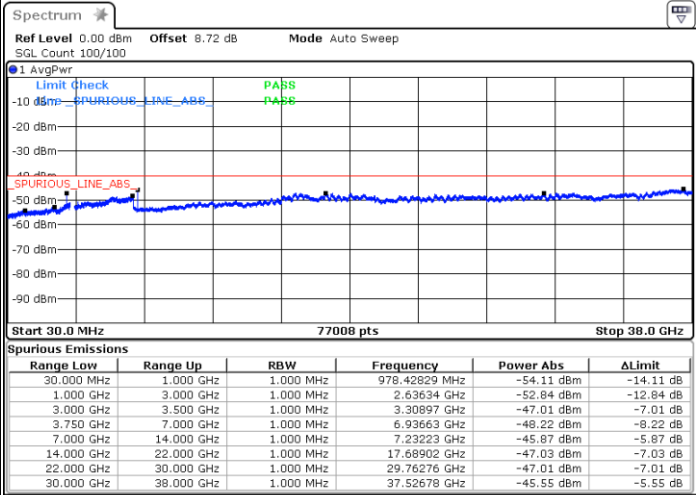
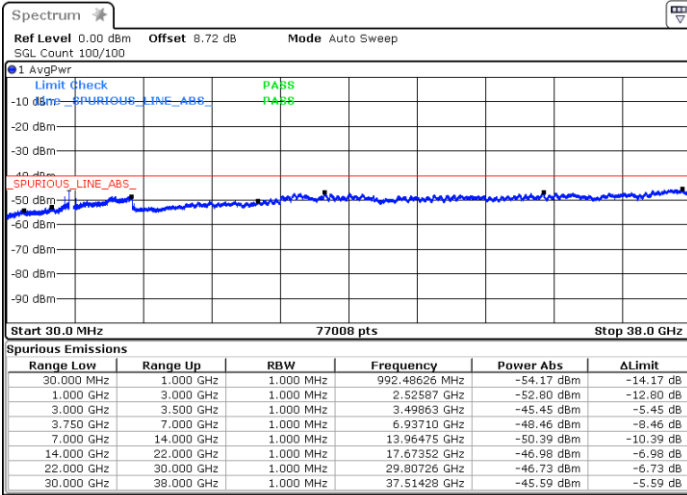


LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

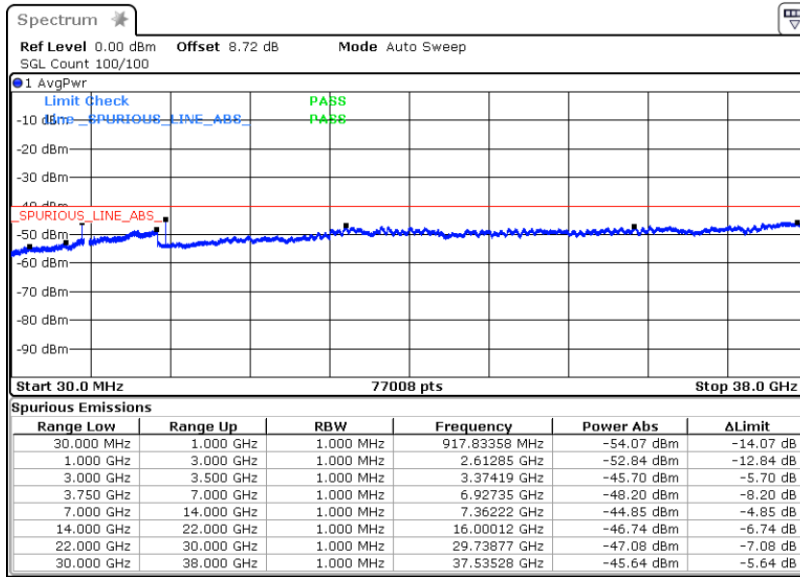
Middle Channel



Date: 20.JUN.2022 11:55:56

Date: 20.JUN.2022 11:58:29

Highest Channel



Date: 20.JUN.2022 12:04:19



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	0.0001	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48C

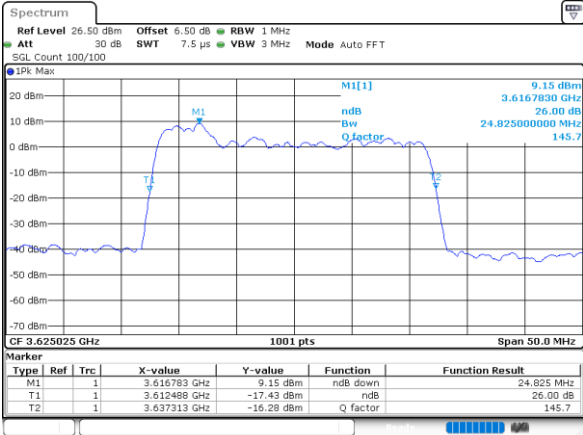
26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.83	24.88
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	29.91	29.91
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.76	34.90
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	25.03	25.03
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	30.03	30.09
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.90	34.90
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.96	39.96



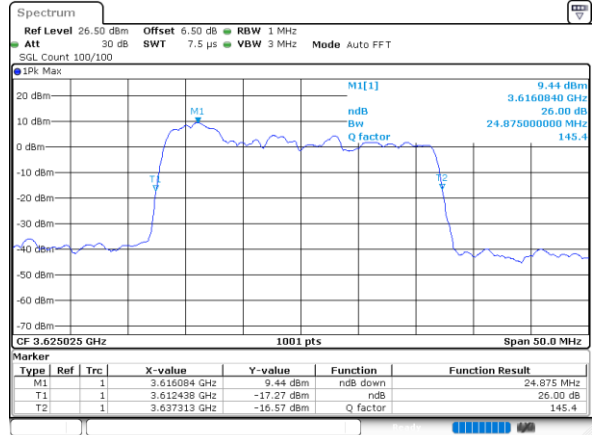
LTE Band 48C

Middle Channel / 5MHz+20MHz/QPSK



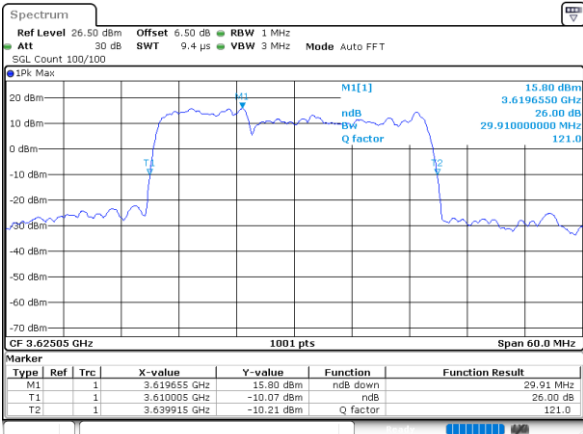
Date: 19 JUN 2022 11:05:54

Middle Channel / 5MHz+20MHz/16QAM



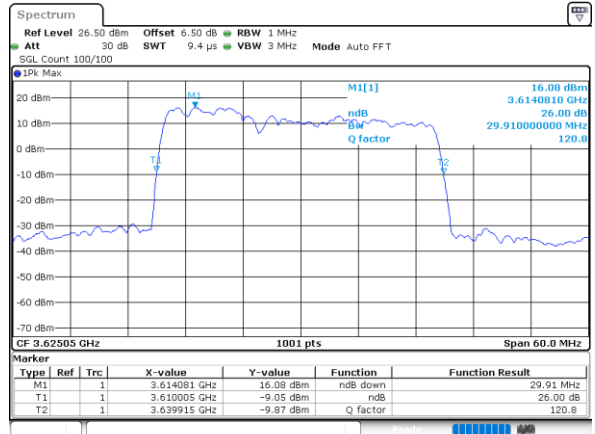
Date: 19 JUN 2022 11:06:22

Middle Channel / 10MHz+20MHz/QPSK



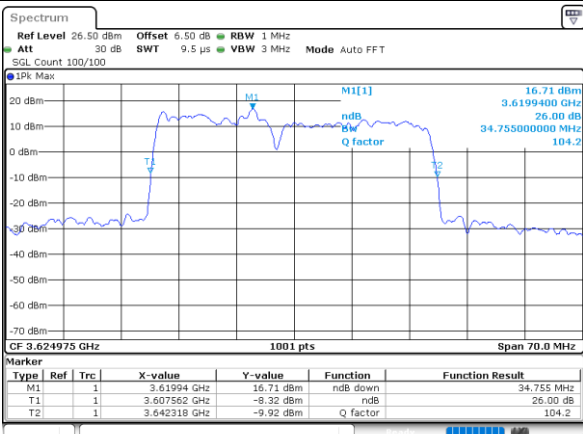
Date: 19 JUN 2022 11:08:37

Middle Channel / 10MHz+20MHz/16QAM



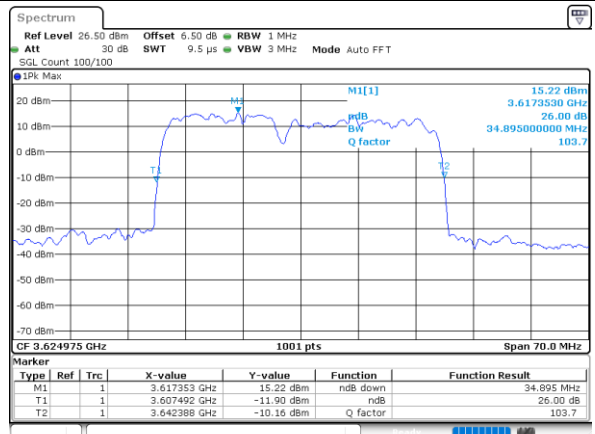
Date: 19 JUN 2022 11:09:05

Middle Channel / 15MHz+20MHz/QPSK



Date: 19 JUN 2022 11:11:50

Middle Channel / 15MHz+20MHz/16QAM

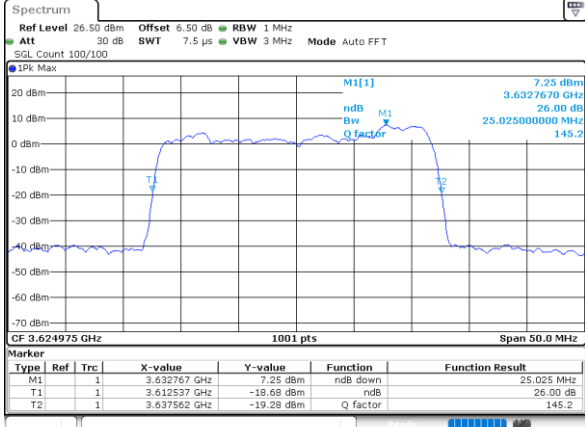


Date: 19 JUN 2022 11:12:18



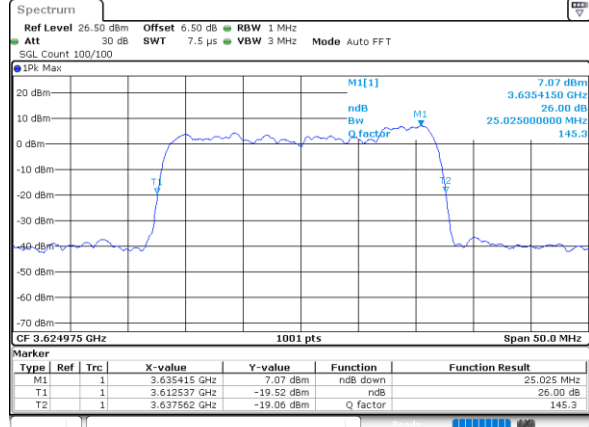
LTE Band 48C

Middle Channel / 20MHz+5MHz/QPSK



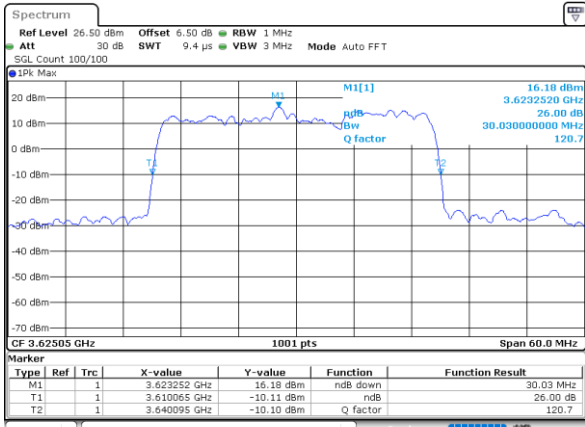
Date: 19 JUN 2022 11:16:19

Middle Channel / 20MHz+5MHz/16QAM



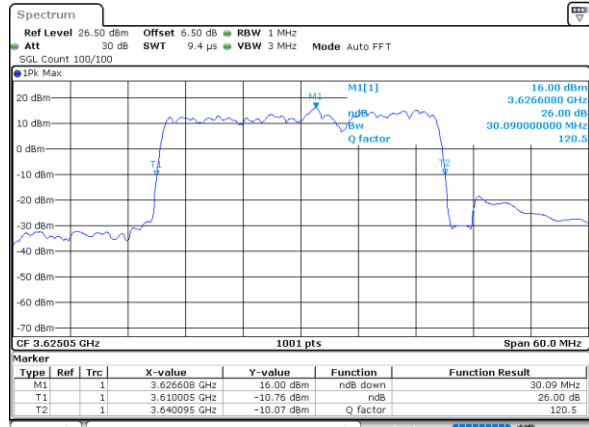
Date: 19 JUN 2022 11:16:46

Middle Channel / 20MHz+10MHz/QPSK



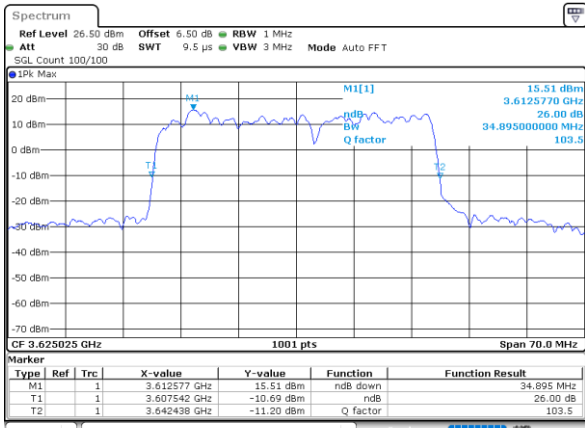
Date: 19 JUN 2022 11:18:14

Middle Channel / 20MHz+10MHz/16QAM



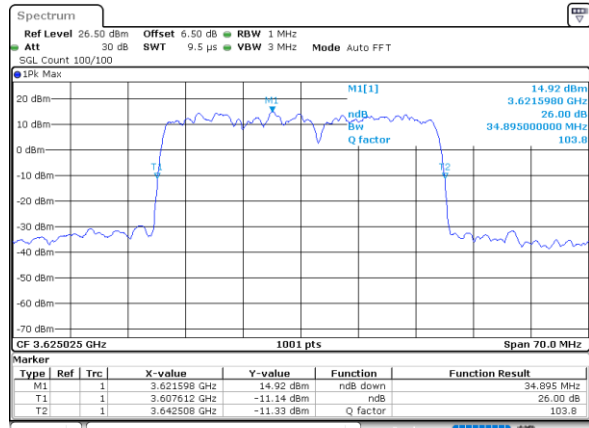
Date: 19 JUN 2022 11:18:42

Middle Channel / 20MHz+15MHz/QPSK



Date: 19 JUN 2022 11:20:10

Middle Channel / 20MHz+15MHz/16QAM

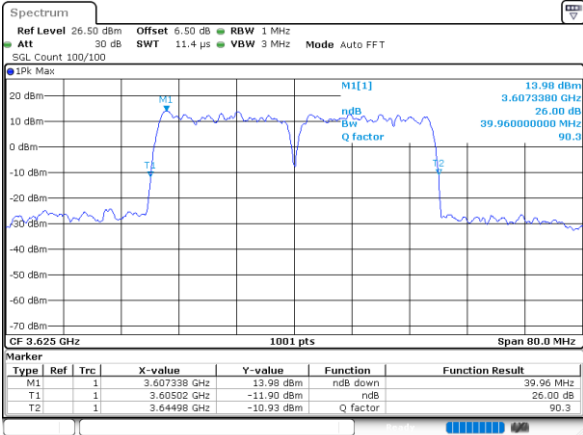


Date: 19 JUN 2022 11:20:38



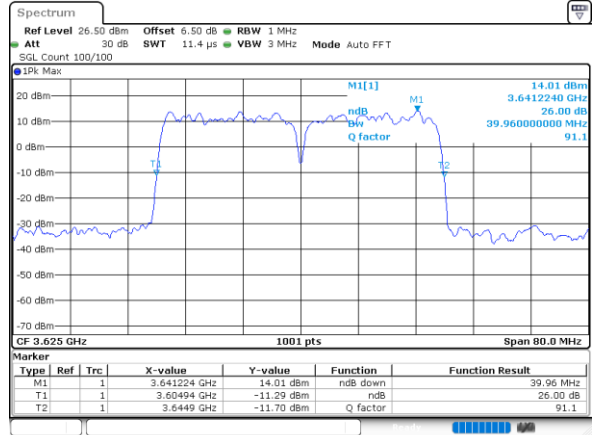
LTE Band 48C

Middle Channel / 20MHz+20MHz/QPSK



Date: 19 JUN 2022 11:14:23

Middle Channel / 20MHz+20MHz/16QAM



Date: 19 JUN 2022 11:15:17



Occupied Bandwidth

Mode	LTE Band 48C : OBW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	23.13	23.08
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	27.99	27.87
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.73	33.08
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.33	23.48
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	28.11	28.11
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	32.80	32.94
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.56	37.64