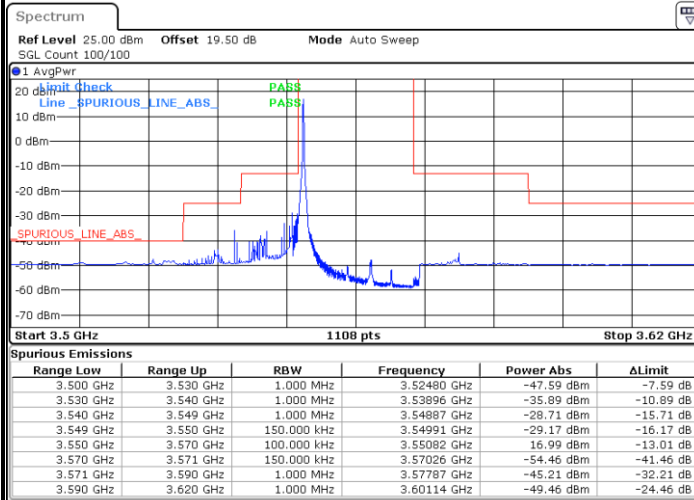




LTE Band 48 / 15MHz

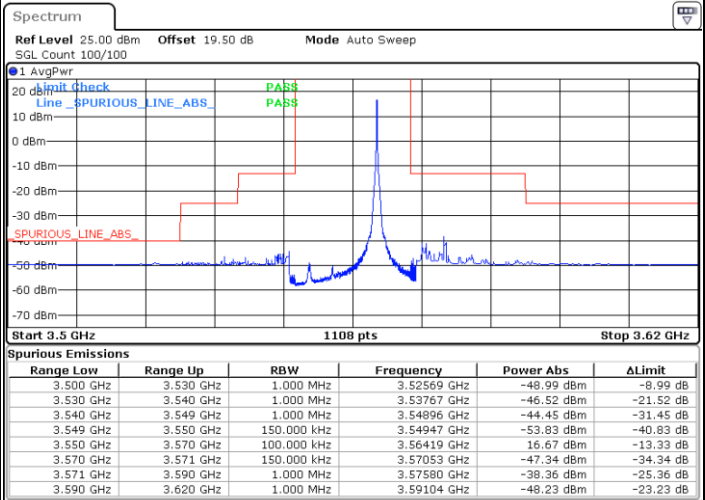
16QAM

Lowest Channel / 1RB0



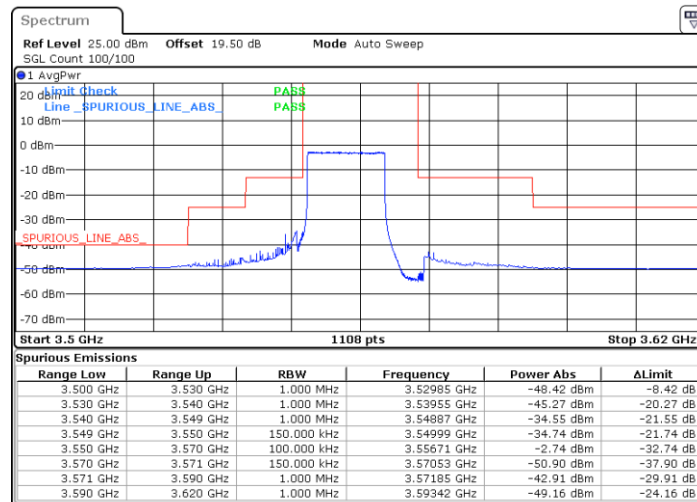
Date: 17 JUL 2025 14:46:23

Lowest Channel / 1RBmax



Date: 17 JUL 2025 14:50:00

Lowest Channel / FullRB



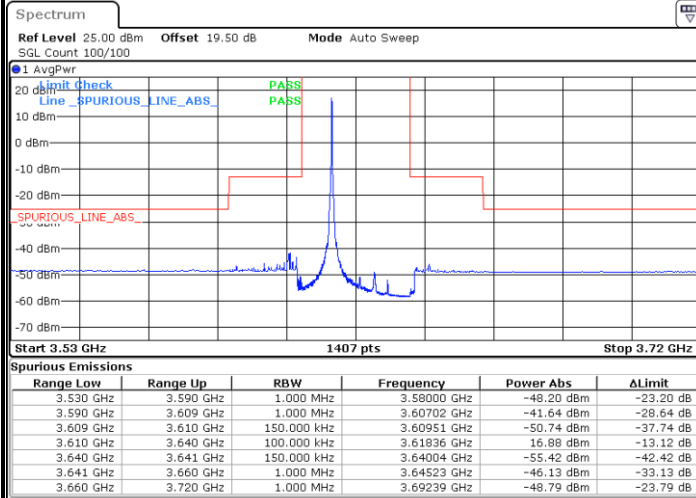
Date: 17 JUL 2025 14:53:37



LTE Band 48 / 15MHz

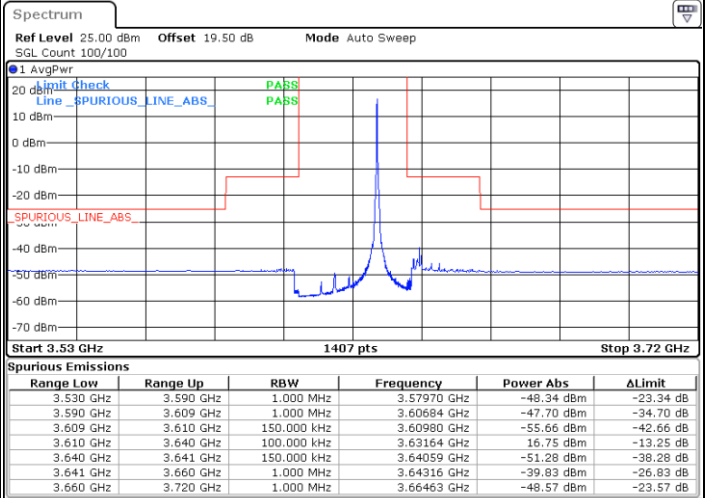
16QAM

Middle Channel / 1RB0



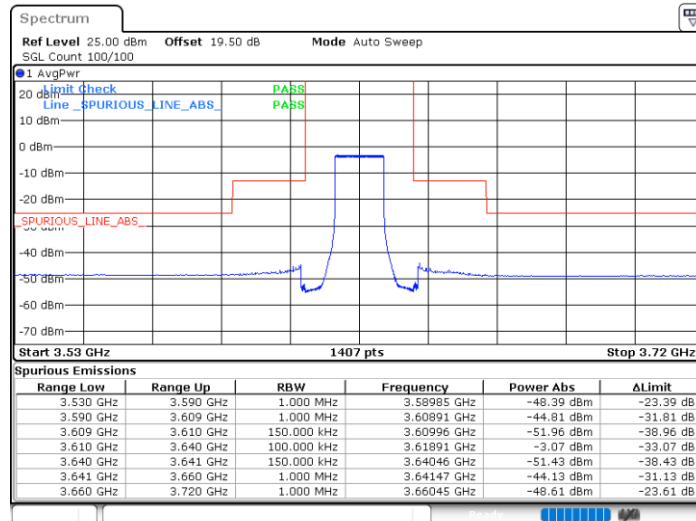
Date: 17.JUL.2025 20:46:42

Middle Channel / 1RBmax



Date: 17.JUL.2025 20:41:59

Middle Channel / FullIRB



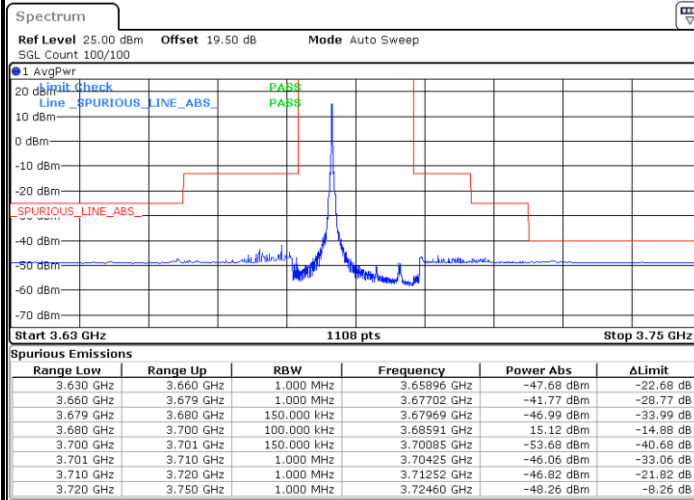
Date: 17.JUL.2025 20:37:16



LTE Band 48 / 15MHz

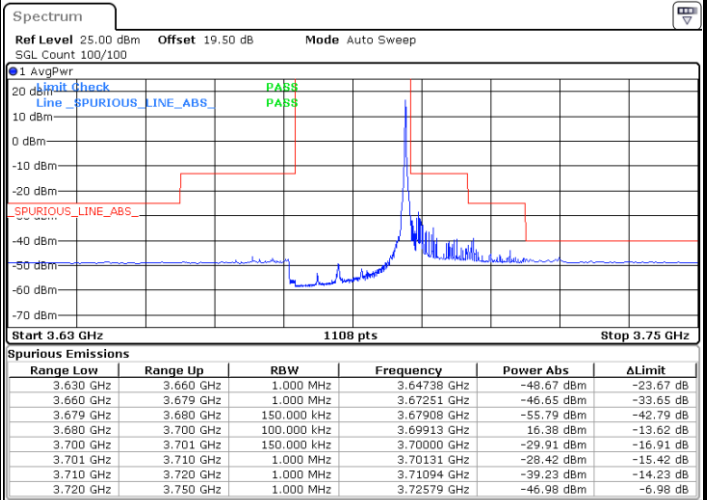
16QAM

Highest Channel / 1RB0



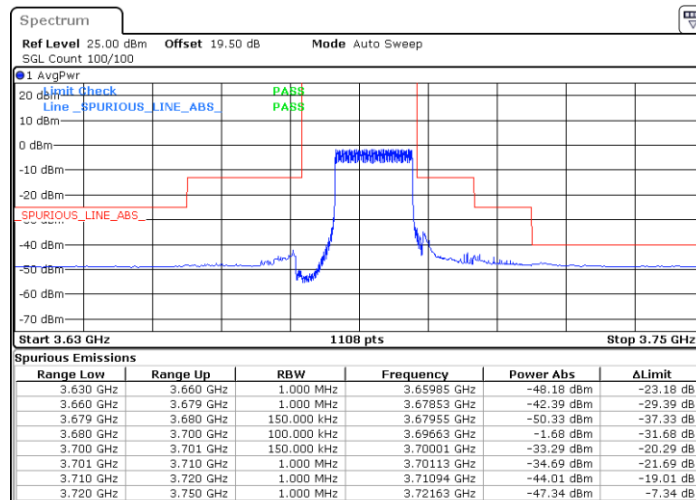
Date: 17.JUL.2025 21:24:30

Highest Channel / 1RBmax



Date: 17.JUL.2025 21:28:45

Highest Channel / FullRB



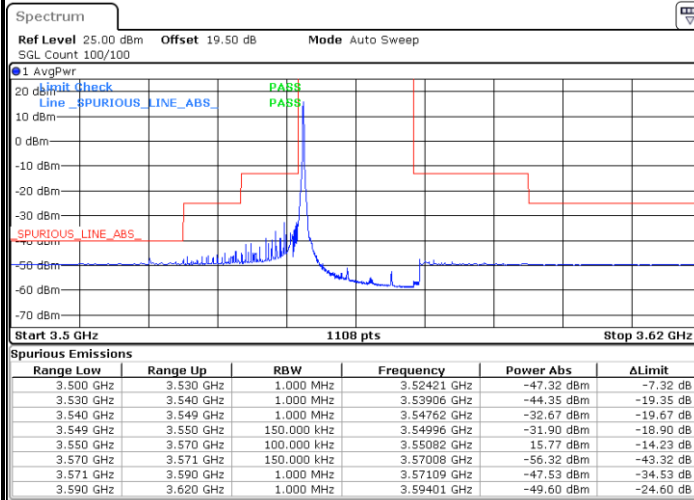
Date: 17.JUL.2025 21:33:00



LTE Band 48 / 15MHz

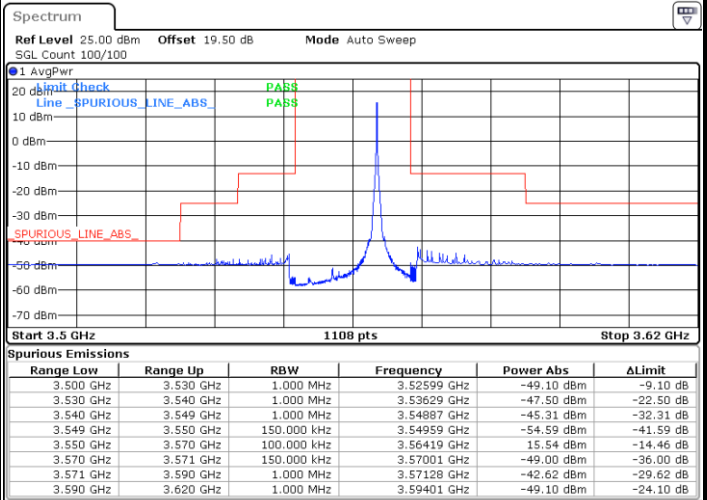
64QAM

Lowest Channel / 1RB0



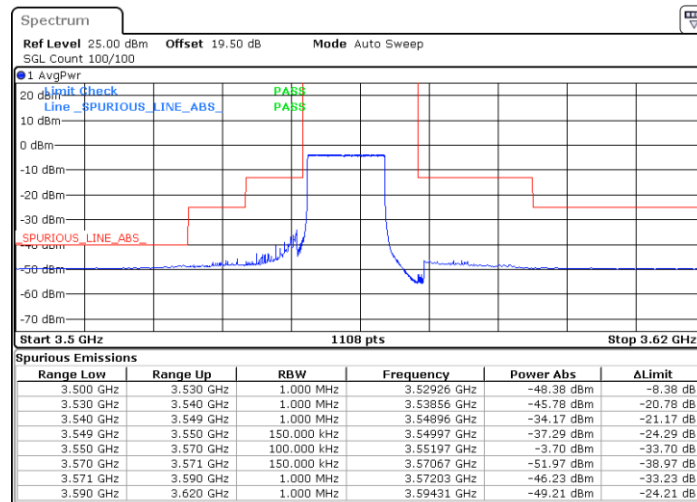
Date: 17 JUL 2025 14:45:10

Lowest Channel / 1RBmax



Date: 17 JUL 2025 14:51:12

Lowest Channel / FullRB



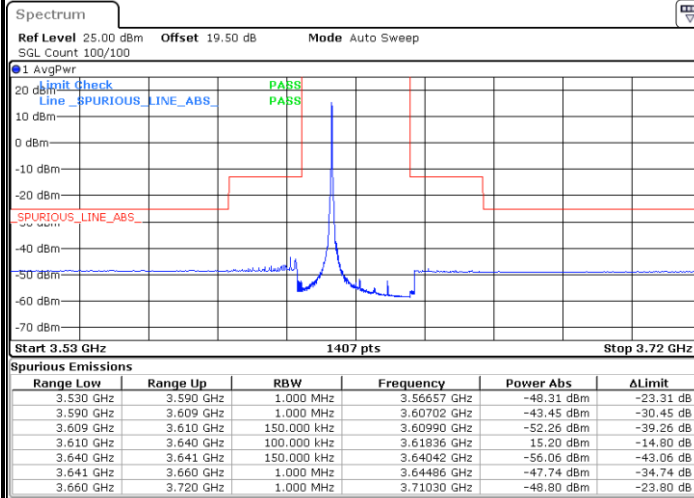
Date: 17 JUL 2025 14:52:25



LTE Band 48 / 15MHz

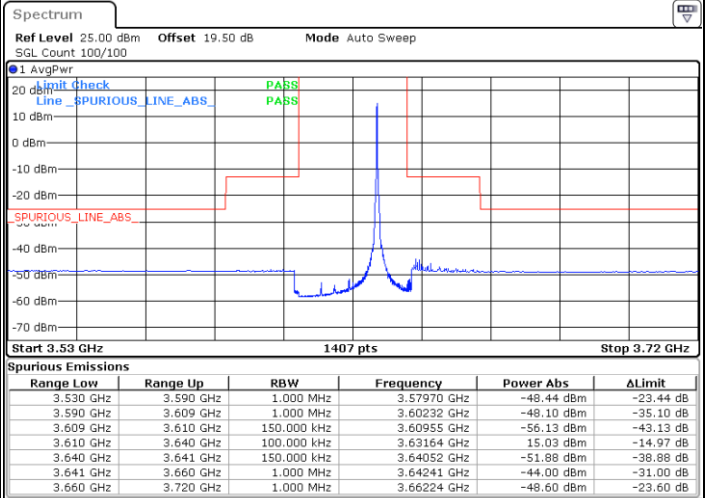
64QAM

Middle Channel / 1RB0



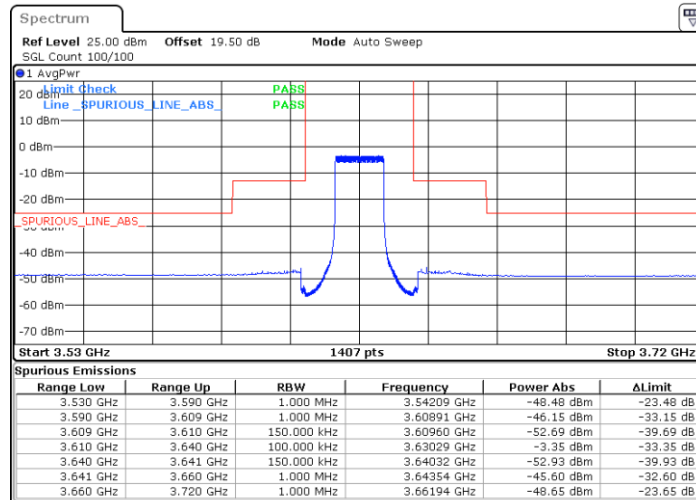
Date: 17.JUL.2025 20:48:17

Middle Channel / 1RBmax



Date: 17.JUL.2025 20:40:25

Middle Channel / FullIRB



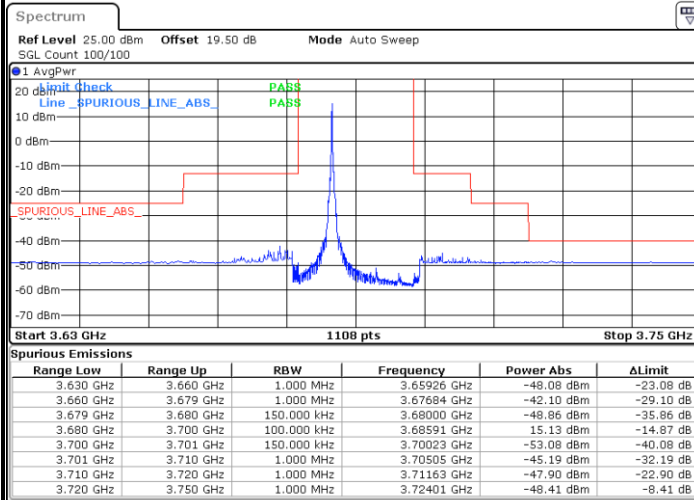
Date: 17.JUL.2025 20:38:50



LTE Band 48 / 15MHz

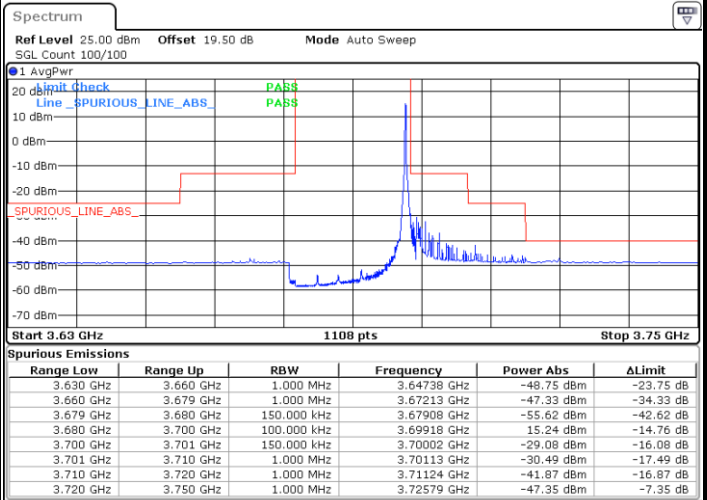
64QAM

Highest Channel / 1RB0



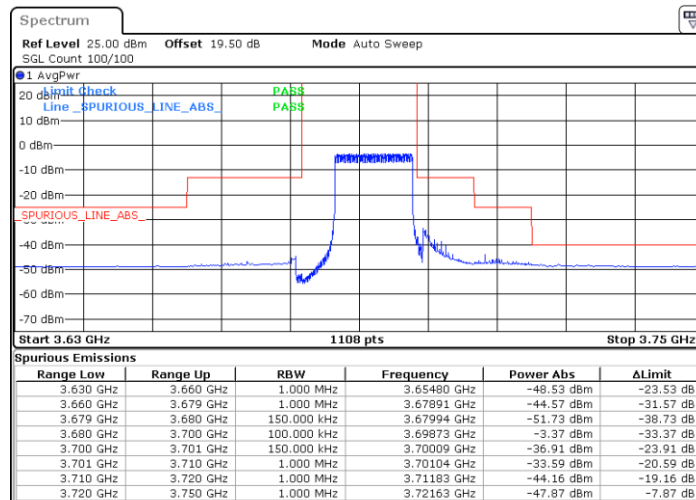
Date: 17.JUL.2025 21:23:05

Highest Channel / 1RBmax



Date: 17.JUL.2025 21:30:10

Highest Channel / FullRB



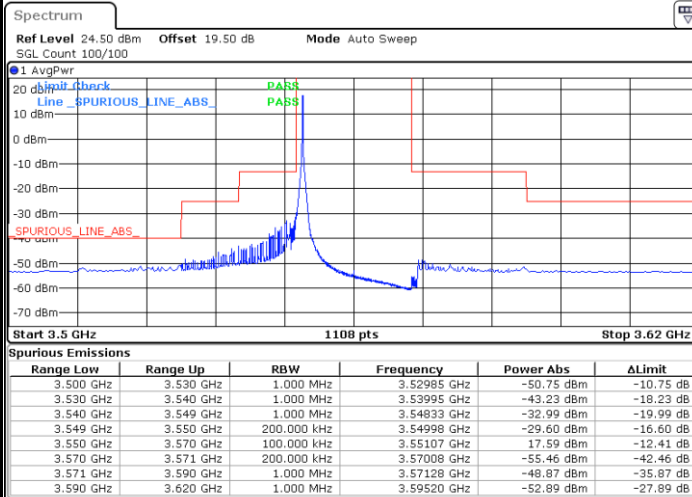
Date: 17.JUL.2025 21:31:35



LTE Band 48 / 20MHz

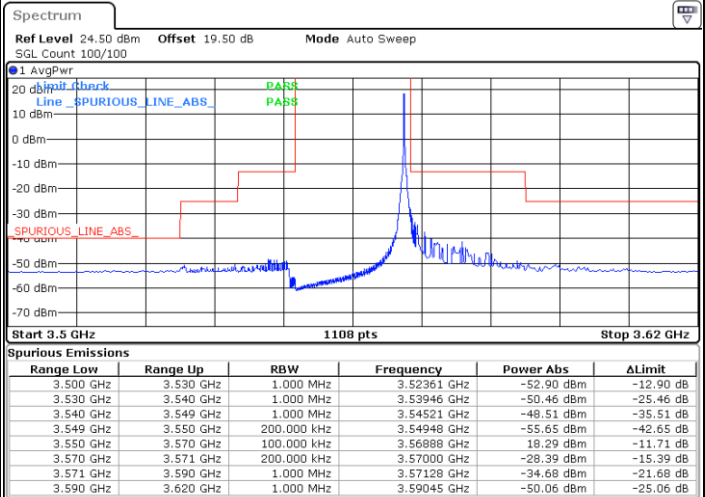
QPSK

Lowest Channel / 1RB0



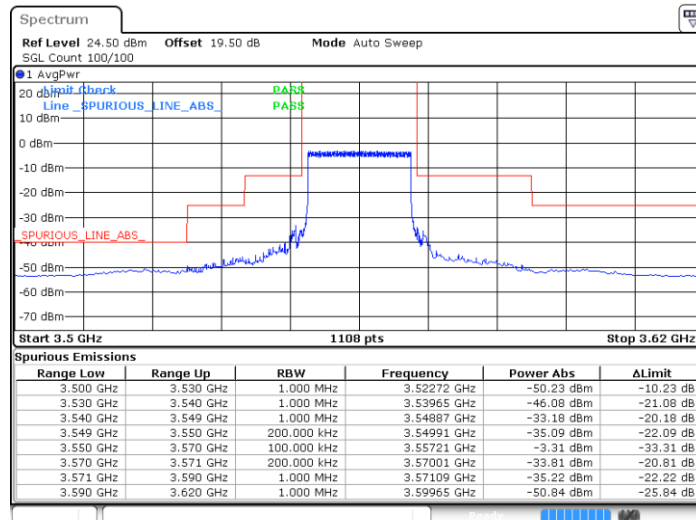
Date: 17 JUL 2025 17:18:01

Lowest Channel / 1RBmax



Date: 17 JUL 2025 17:24:43

Lowest Channel / FullRB



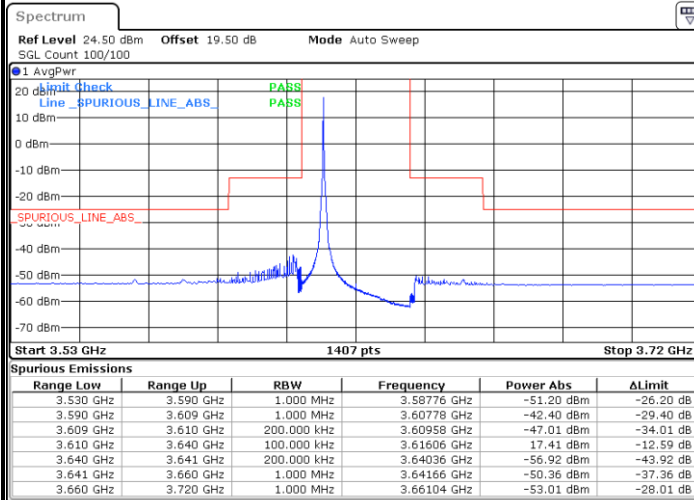
Date: 17 JUL 2025 17:26:04



LTE Band 48 / 20MHz

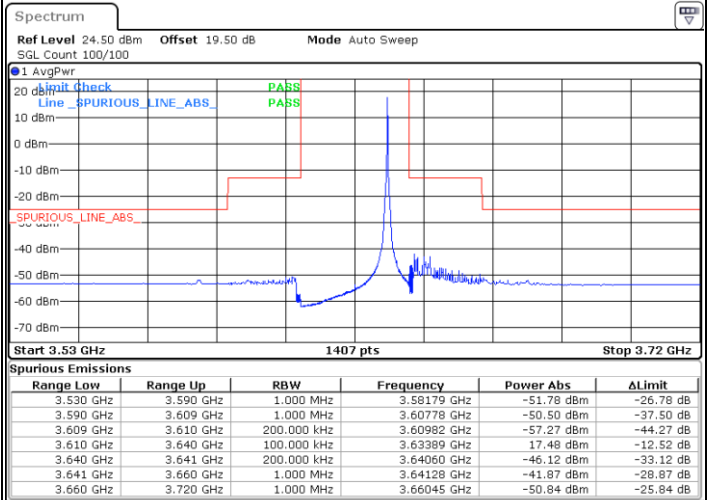
QPSK

Middle Channel / 1RB0



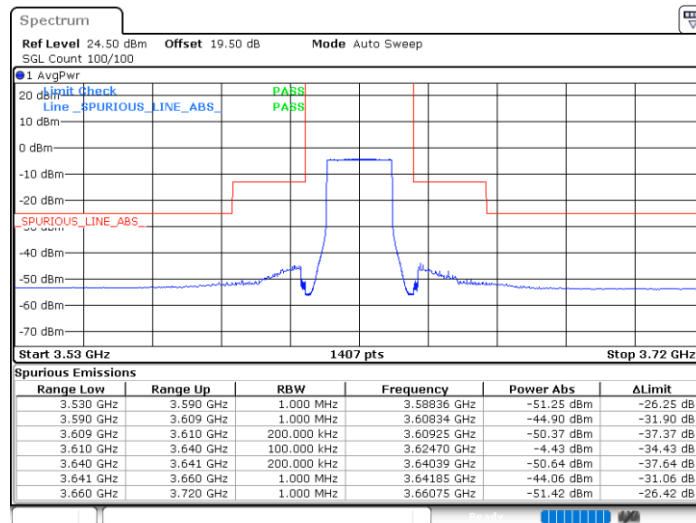
Date: 17.JUL.2025 21:07:22

Middle Channel / 1RBmax



Date: 17.JUL.2025 20:59:30

Middle Channel / FullIRB



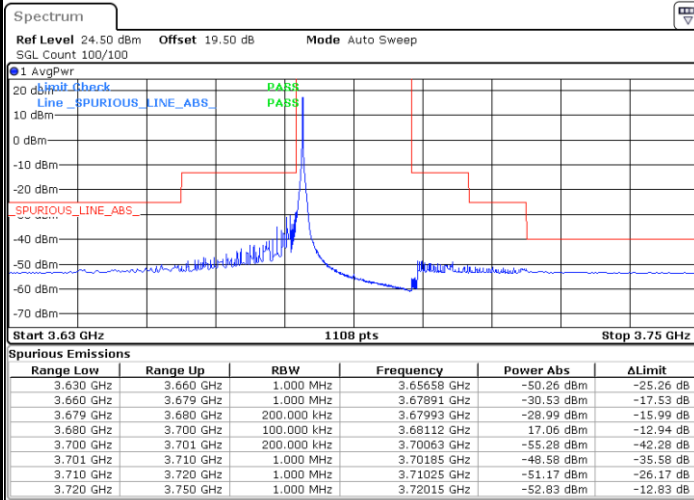
Date: 17.JUL.2025 20:57:56



LTE Band 48 / 20MHz

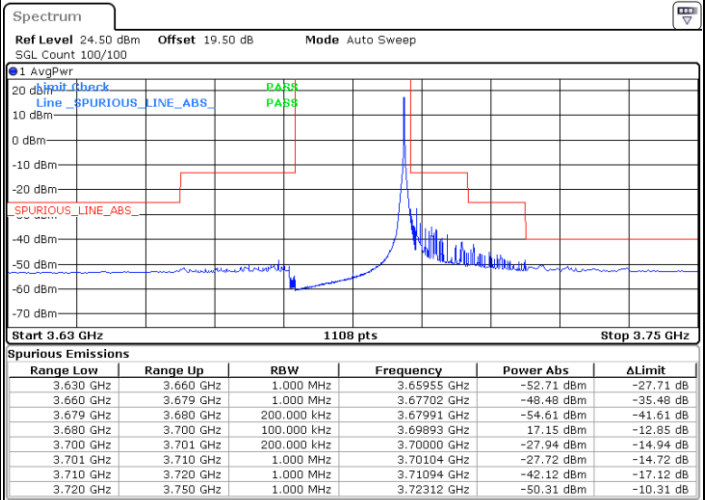
QPSK

Highest Channel / 1RB0



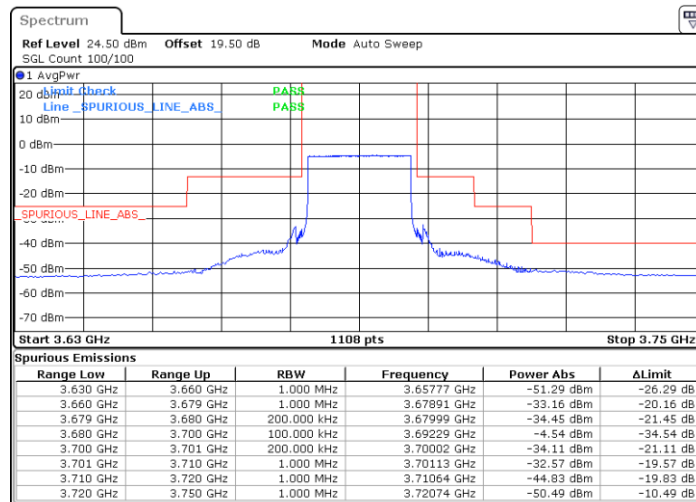
Date: 17. JUL. 2025 21:15:35

Highest Channel / 1RBmax



Date: 17. JUL. 2025 17:57:54

Highest Channel / FullRB



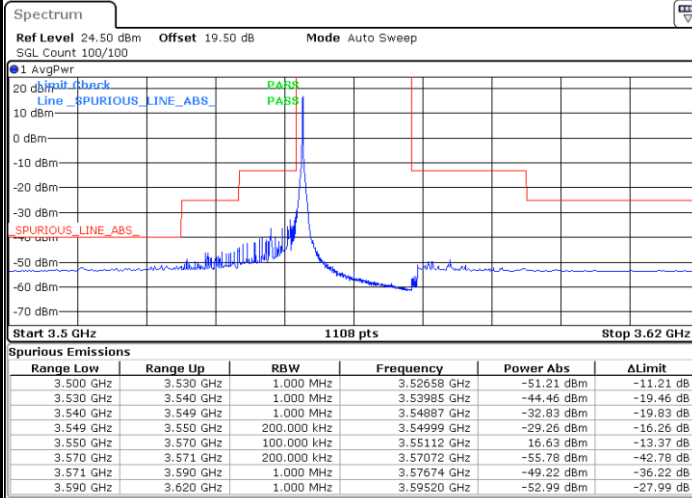
Date: 17. JUL. 2025 17:59:14



LTE Band 48 / 20MHz

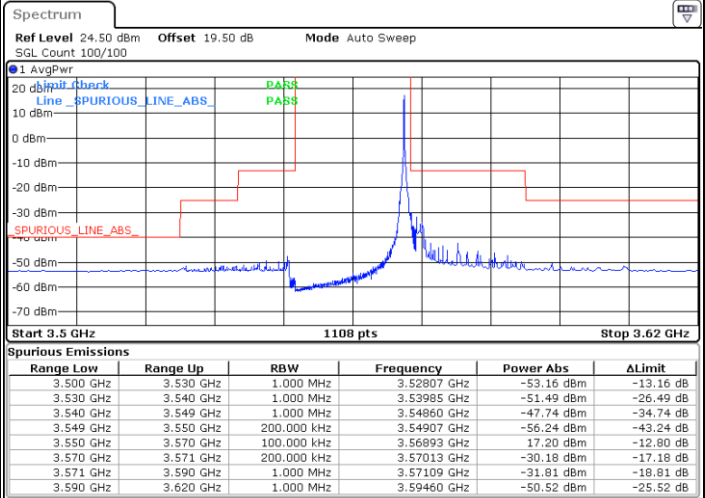
16QAM

Lowest Channel / 1RB0



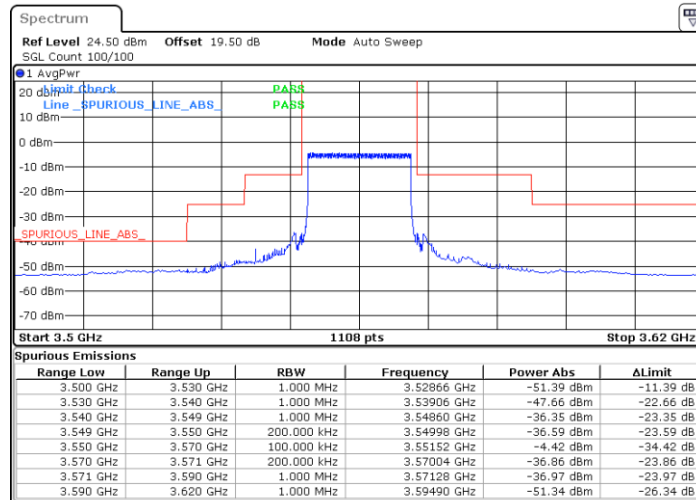
Date: 17 JUL 2025 17:19:21

Lowest Channel / 1RBmax



Date: 17 JUL 2025 17:23:23

Lowest Channel / FullRB



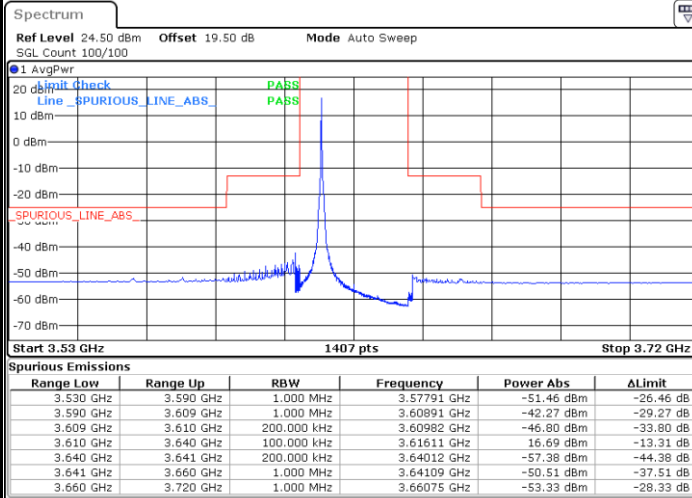
Date: 17 JUL 2025 17:27:24



LTE Band 48 / 20MHz

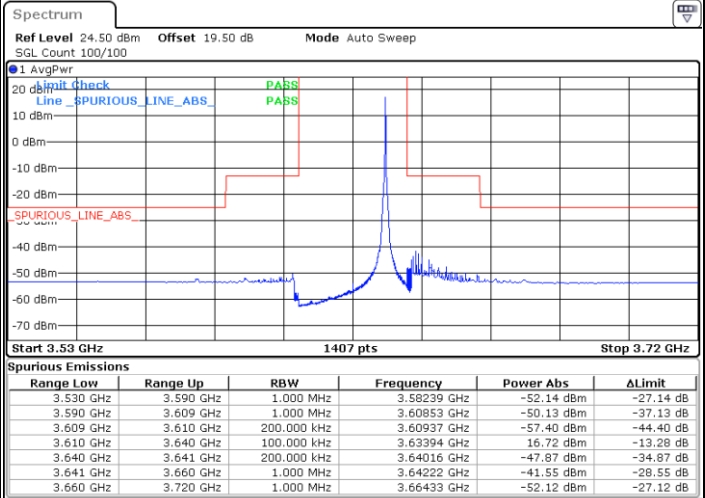
16QAM

Middle Channel / 1RB0



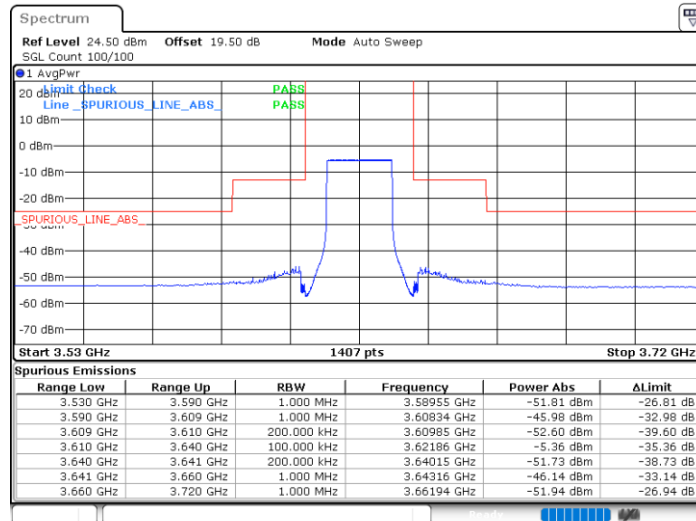
Date: 17.JUL.2025 21:05:48

Middle Channel / 1RBmax



Date: 17.JUL.2025 21:01:05

Middle Channel / FullIRB



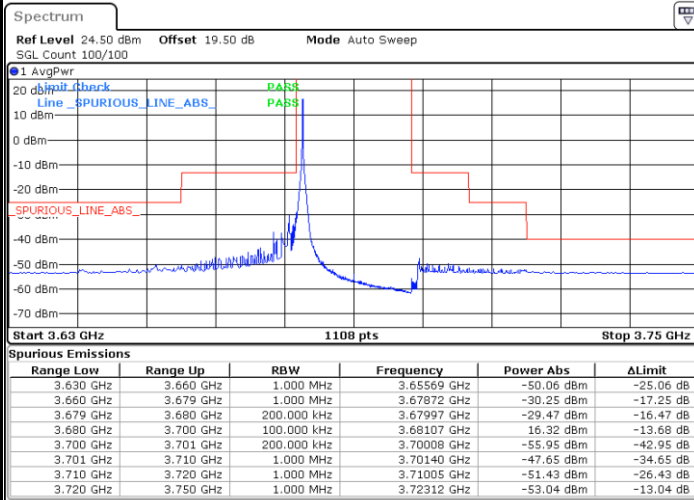
Date: 17.JUL.2025 20:56:21



LTE Band 48 / 20MHz

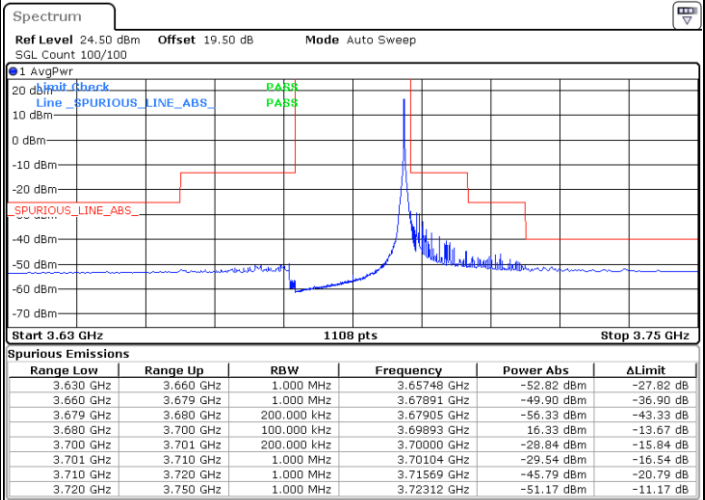
16QAM

Highest Channel / 1RB0



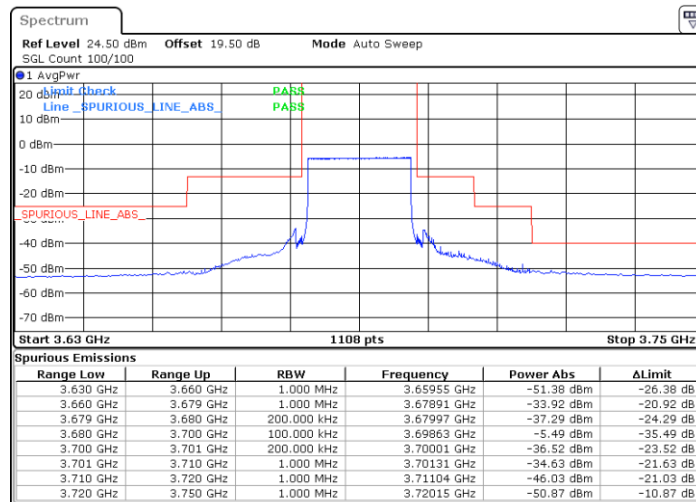
Date: 17.JUL.2025 21:17:17

Highest Channel / 1RBmax



Date: 17.JUL.2025 17:56:34

Highest Channel / FullRB



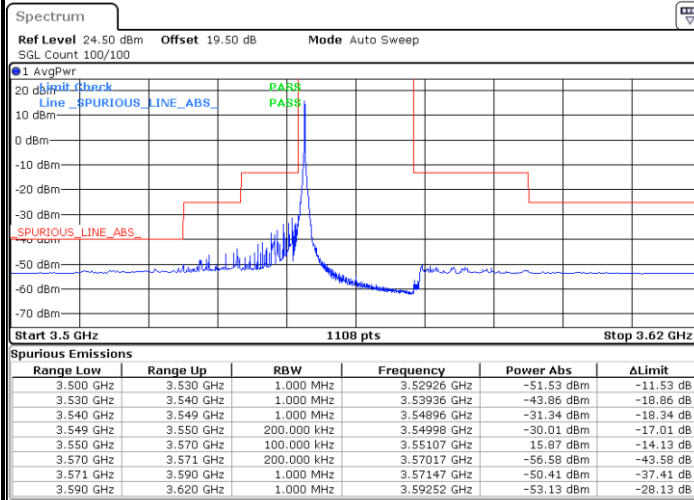
Date: 17.JUL.2025 18:00:34



LTE Band 48 / 20MHz

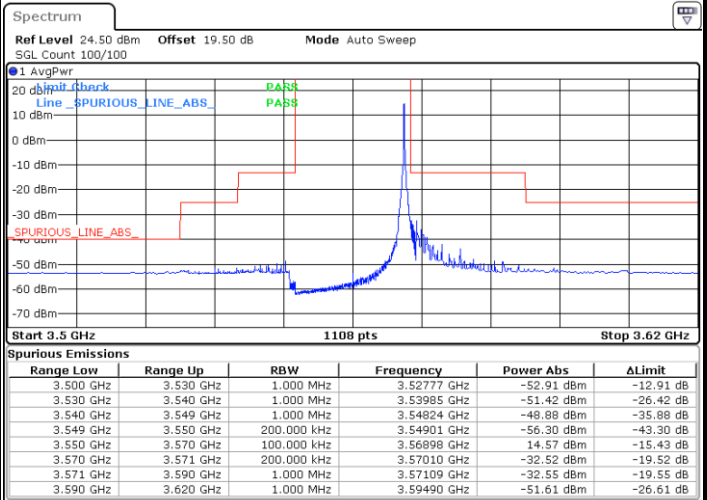
64QAM

Lowest Channel / 1RB0



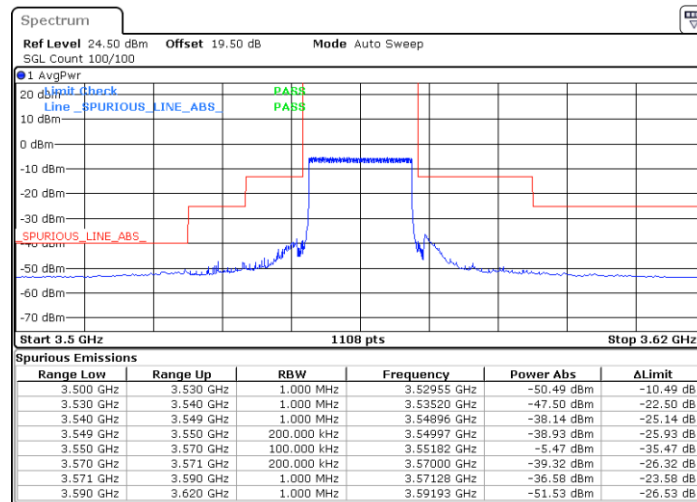
Date: 17 JUL 2025 17:20:42

Lowest Channel / 1RBmax



Date: 17 JUL 2025 17:22:02

Lowest Channel / FullRB



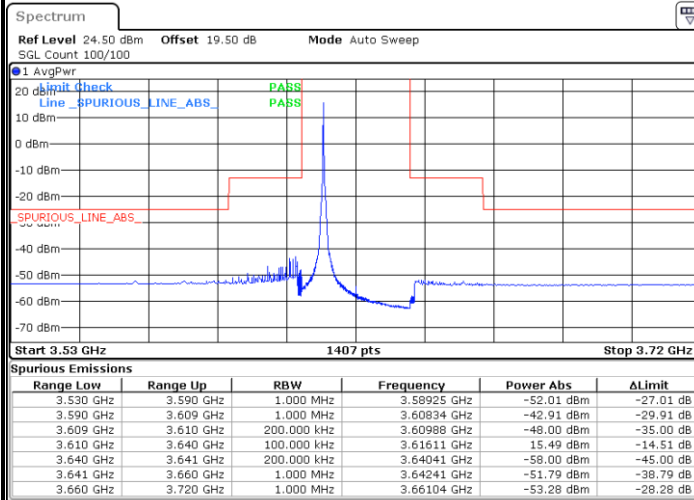
Date: 17 JUL 2025 17:28:45



LTE Band 48 / 20MHz

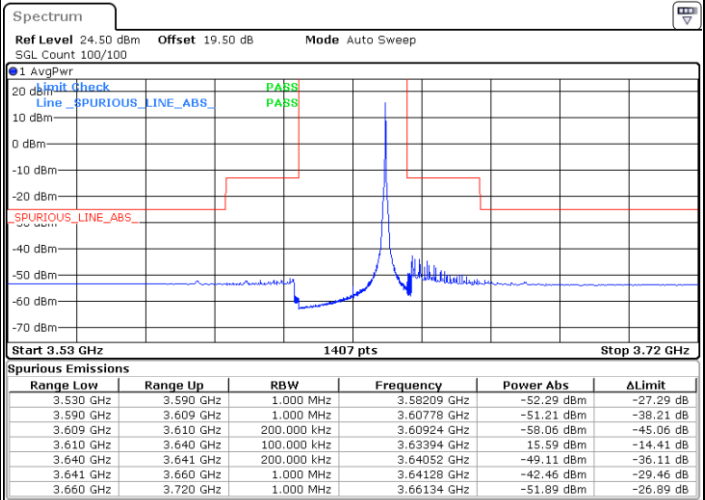
64QAM

Middle Channel / 1RB0



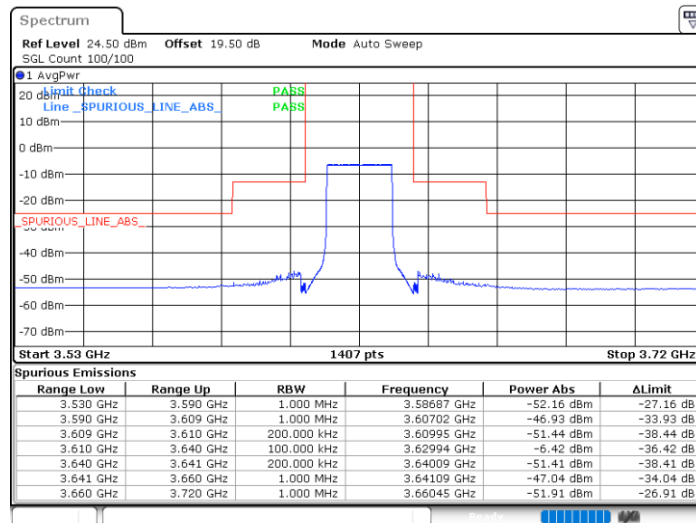
Date: 17.JUL.2025 21:04:13

Middle Channel / 1RBmax



Date: 17.JUL.2025 21:02:39

Middle Channel / FullIRB



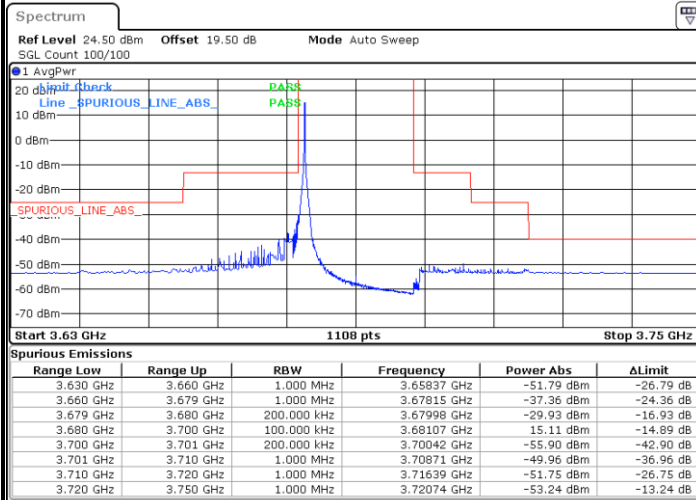
Date: 17.JUL.2025 20:54:47



LTE Band 48 / 20MHz

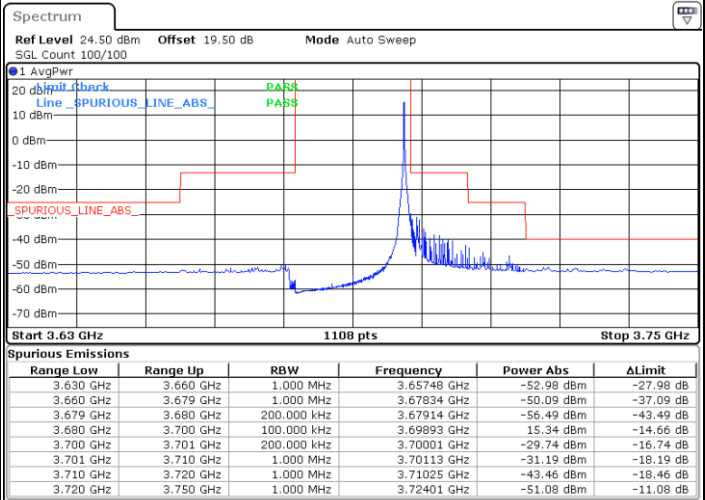
64QAM

Highest Channel / 1RB0



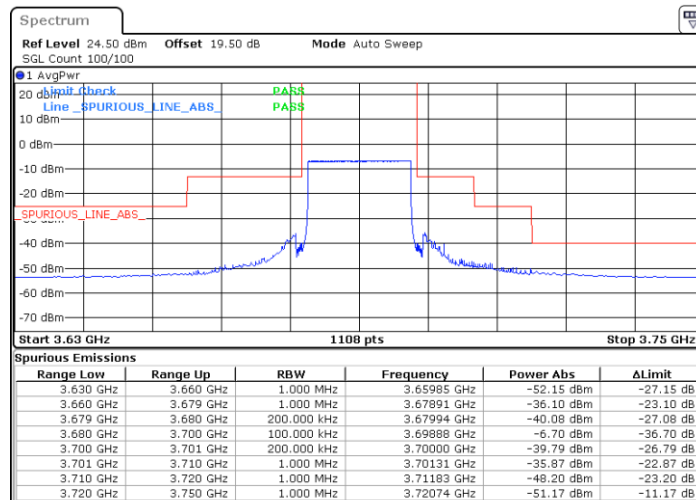
Date: 17.JUL.2025 21:18:49

Highest Channel / 1RBmax



Date: 17.JUL.2025 17:55:14

Highest Channel / FullRB



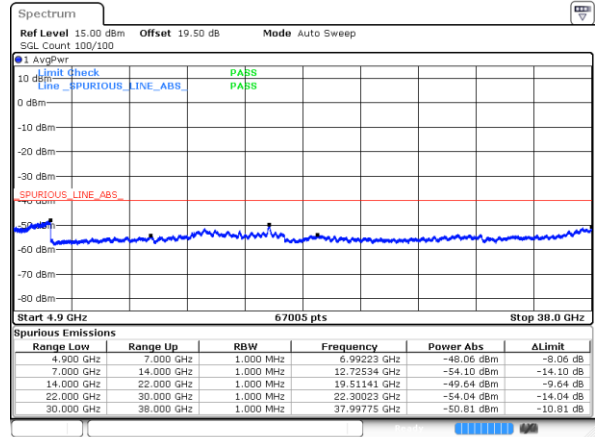
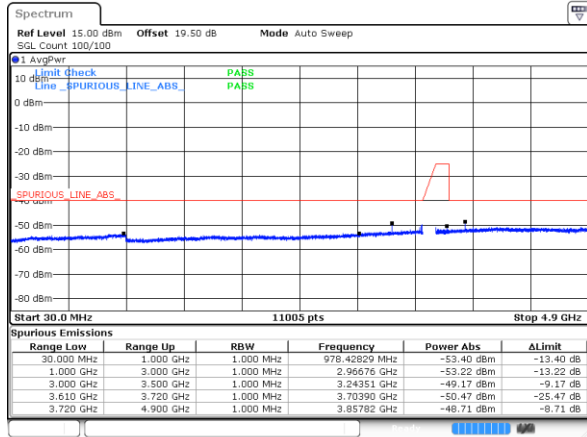
Date: 17.JUL.2025 21:13:45



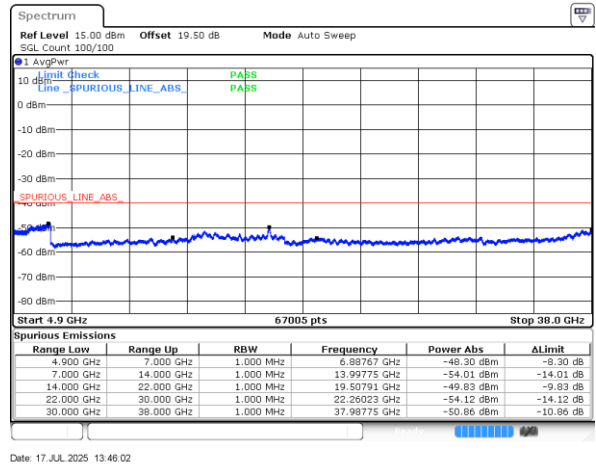
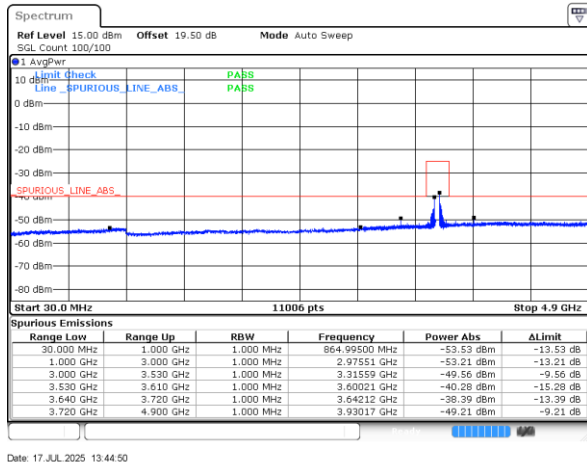
Conducted Spurious Emission

LTE Band 48 / 5MHz

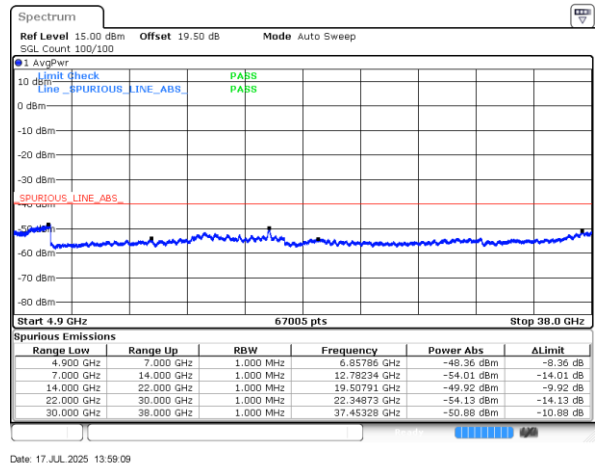
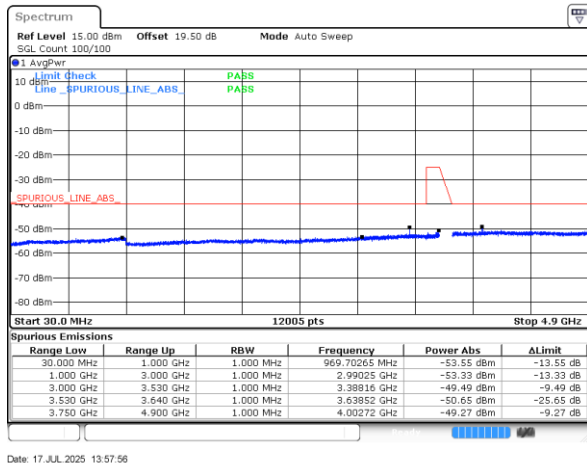
Lowest Channel / QPSK



Middle Channel / QPSK



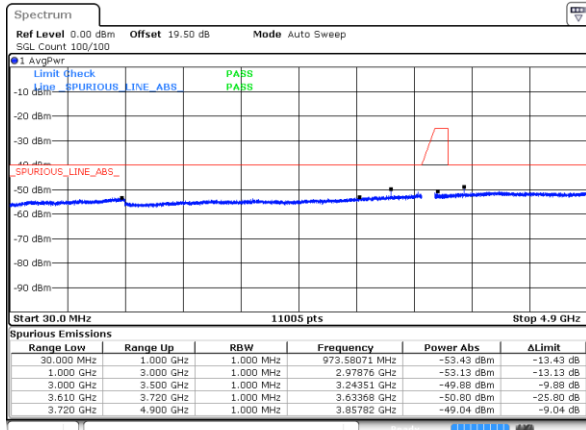
Highest Channel / QPSK



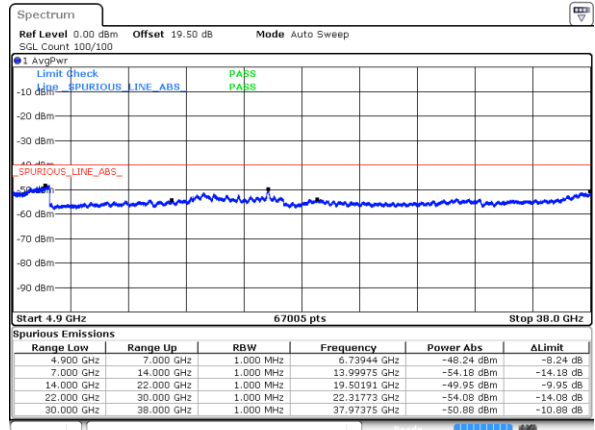


LTE Band 48 / 10MHz

Lowest Channel / QPSK

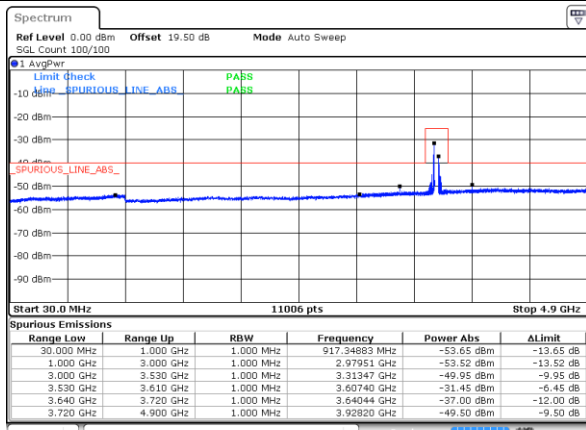


Date: 17 JUL 2025 14:12:11

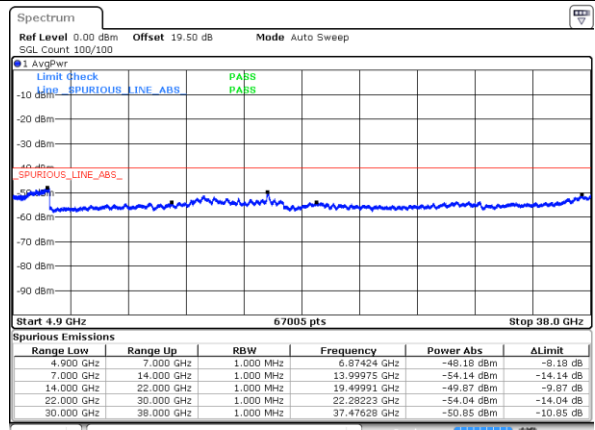


Date: 17 JUL 2025 14:13:24

Middle Channel / QPSK

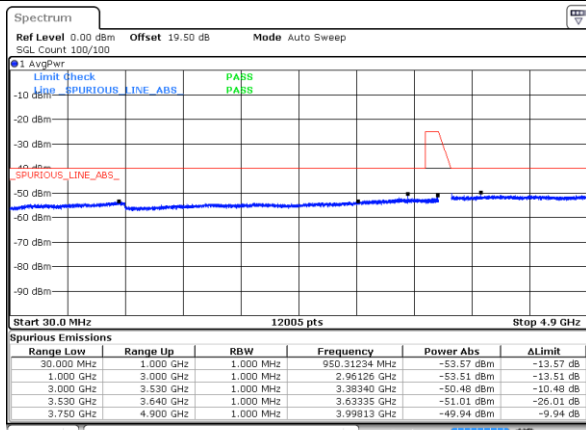


Date: 17 JUL 2025 14:26:35

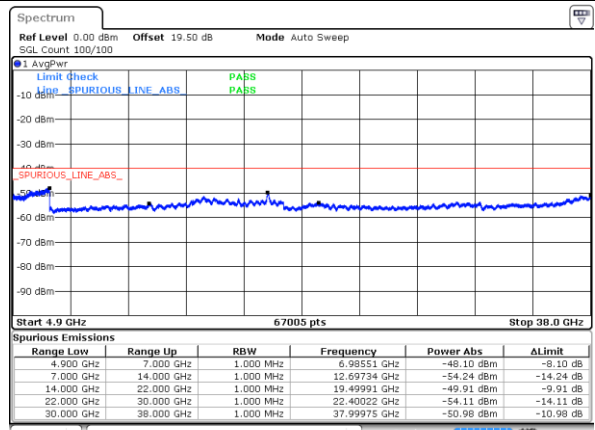


Date: 17 JUL 2025 14:27:47

Highest Channel / QPSK



Date: 17 JUL 2025 14:38:41

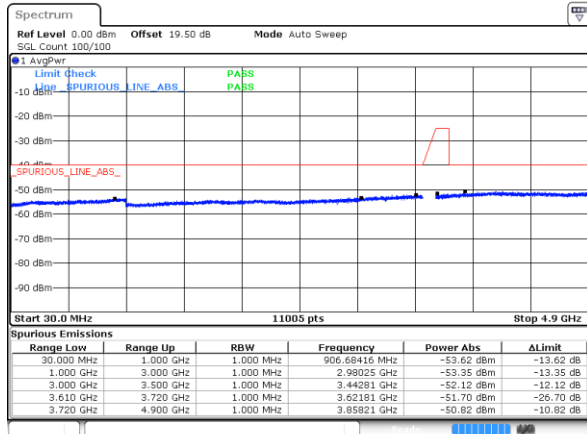


Date: 17 JUL 2025 14:40:54

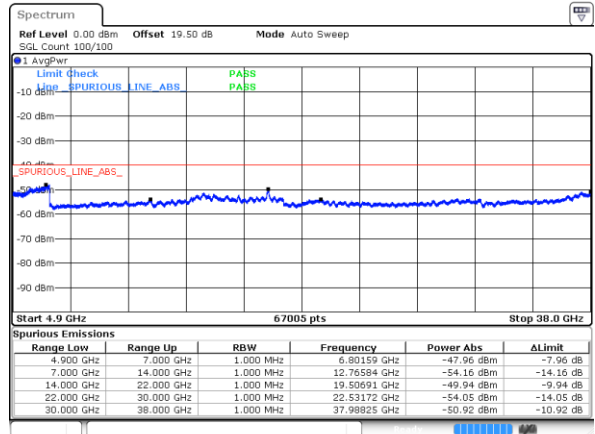


LTE Band 48 / 15MHz

Lowest Channel / QPSK

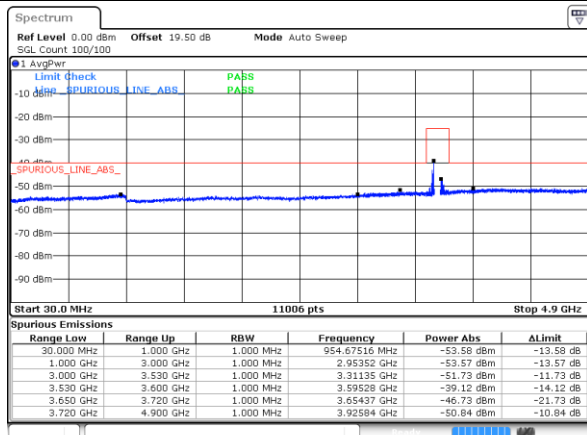


Date: 17 JUL 2025 14:56:15

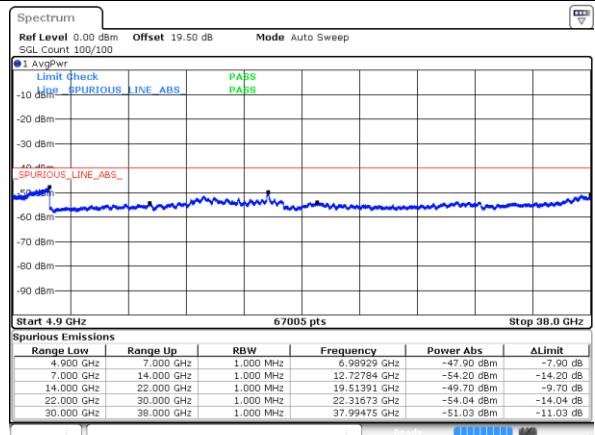


Date: 17 JUL 2025 14:57:27

Middle Channel / QPSK

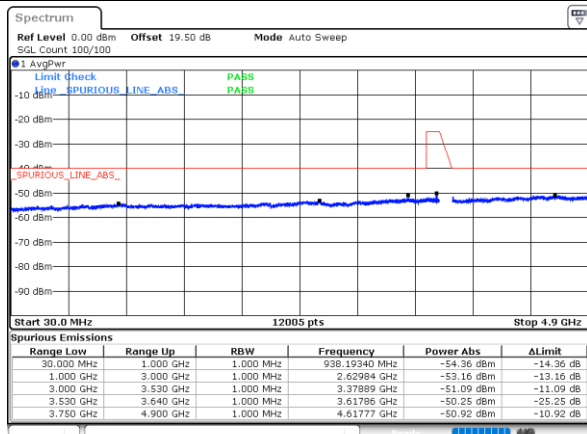


Date: 17 JUL 2025 17:14:20

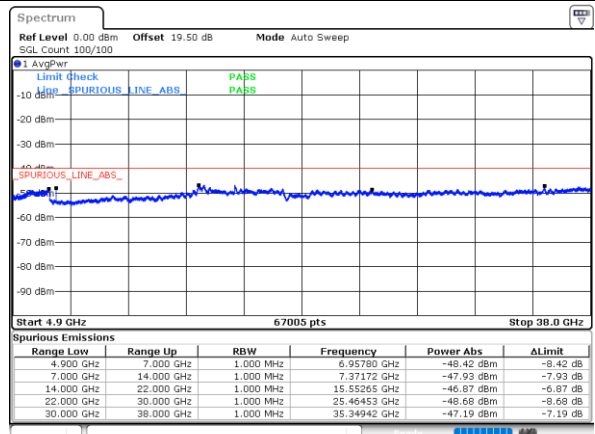


Date: 17 JUL 2025 17:15:33

Highest Channel / QPSK



Date: 17 JUL 2025 21:35:50

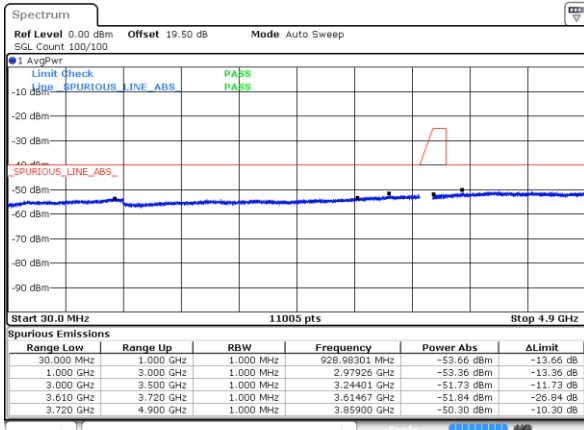


Date: 17 JUL 2025 21:37:02

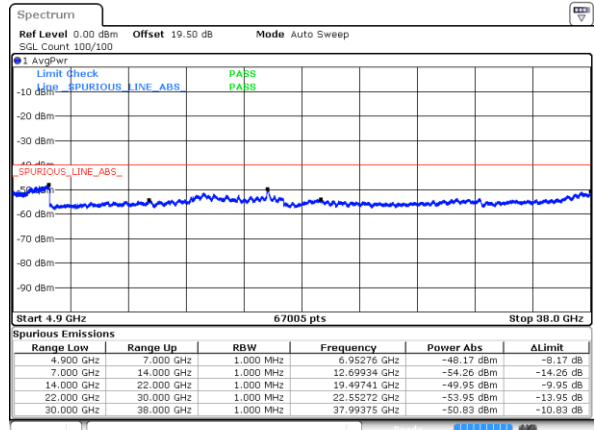


LTE Band 48 / 20MHz

Lowest Channel / QPSK

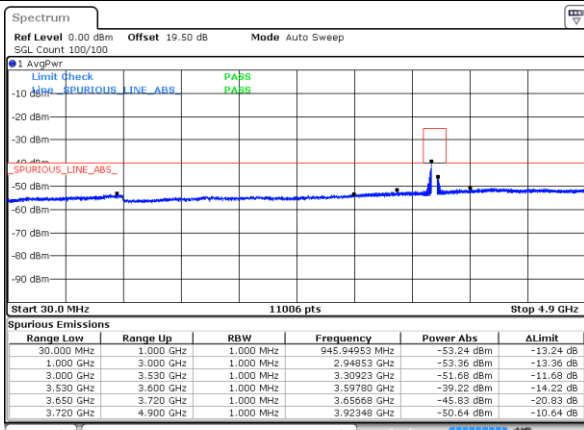


Date: 17 JUL 2025 17:30:10

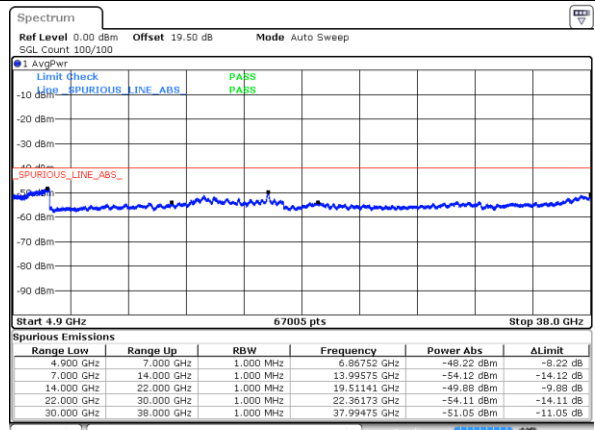


Date: 17 JUL 2025 17:31:22

Middle Channel / QPSK

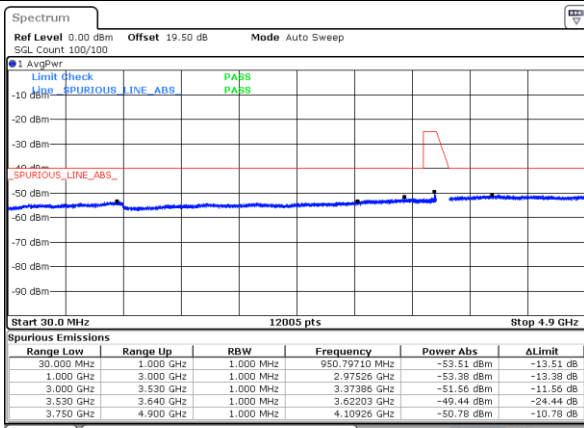


Date: 17 JUL 2025 17:48:42

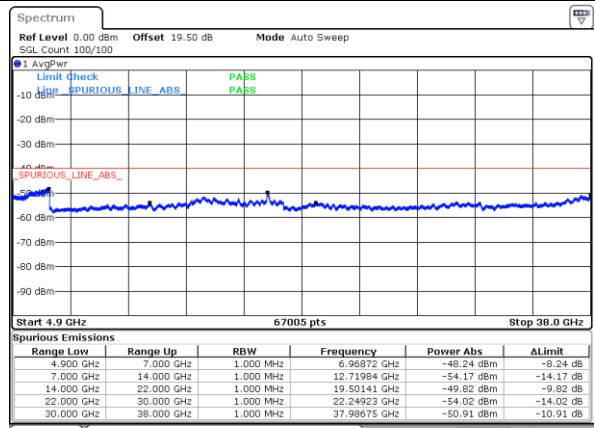


Date: 17 JUL 2025 17:49:55

Highest Channel / QPSK



Date: 17 JUL 2025 18:03:19



Date: 17 JUL 2025 18:04:32

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	-4.9	PASS
40	Normal Voltage	3.1	
30	Normal Voltage	4.8	
20(Ref.)	Normal Voltage	6.5	
10	Normal Voltage	5.5	
0	Normal Voltage	3.9	
-10	Normal Voltage	4.1	
-20	Normal Voltage	5.3	
-30	Normal Voltage	4.2	
20	Maximum Voltage	3.8	
20	Normal Voltage	6.5	
20	Battery End Point	3.7	

Note:

1. Normal Voltage = 8 V. ; Battery End Point (ACLRP) = 7.2 ; Maximum Voltage = 9 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$|\text{MAX}(\Delta f)| = 6.5\text{Hz}$$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3550.242294	$\geq 3550 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3699.757707	$\leq 3700 \text{ MHz}$	

LTE Band 48C

26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.88	30.03	34.97	24.98
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.97	39.96	-

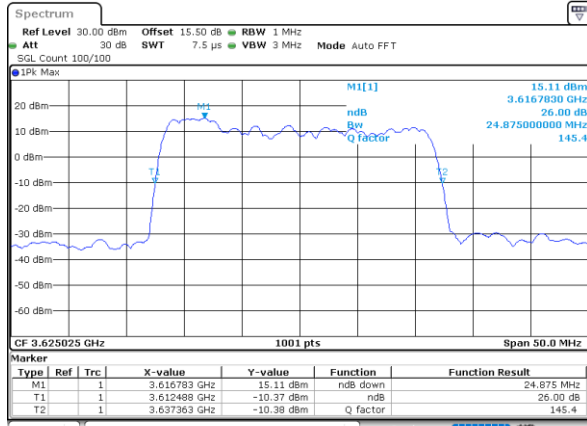
Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.83	29.97	34.97	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.97	40.12	-



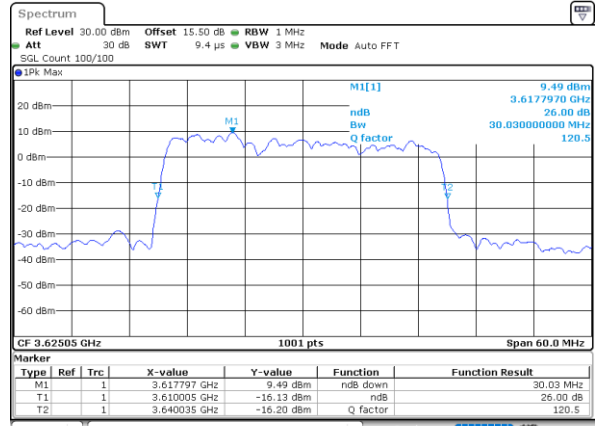
LTE Band 48C

QPSK

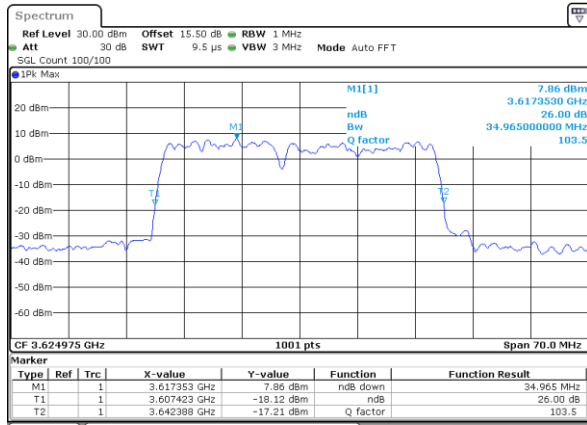
Middle Channel / 5MHz+20MHz



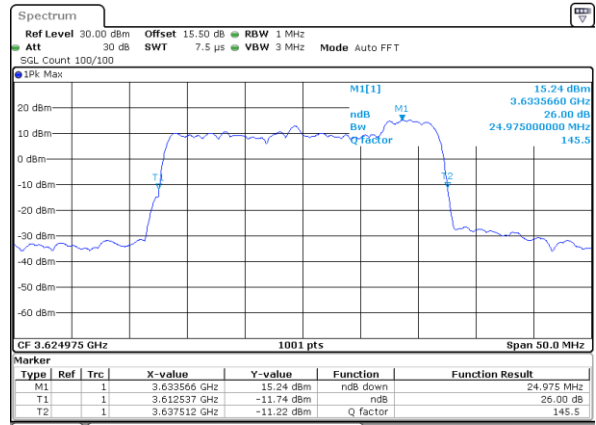
Middle Channel / 10MHz+20MHz



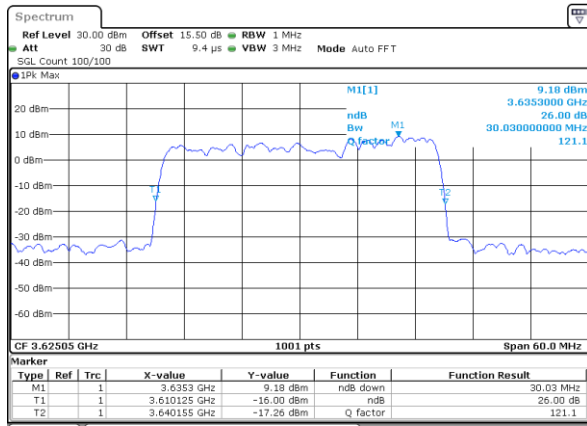
Middle Channel / 15MHz+20MHz



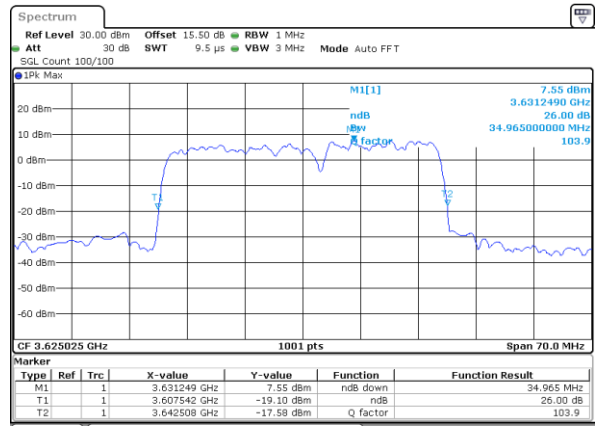
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

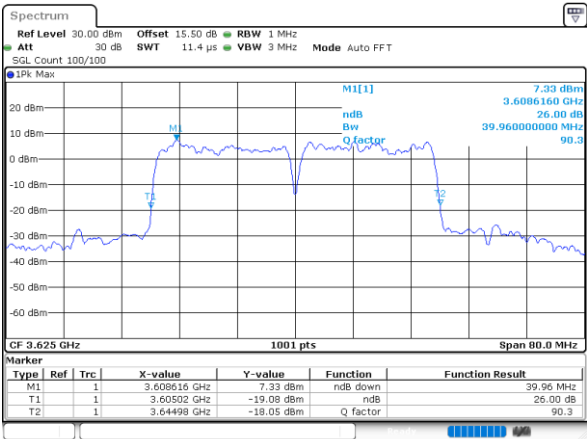




LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz



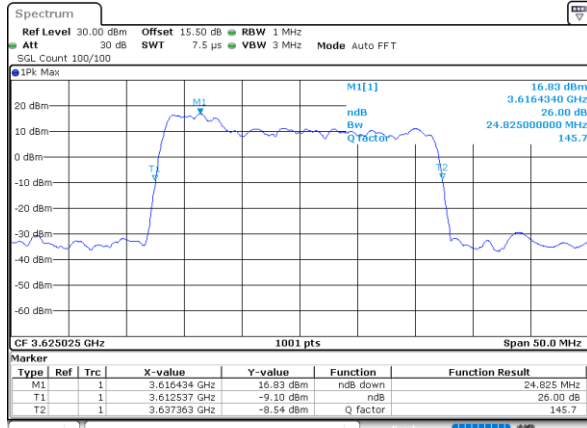
Date: 18.JUL.2025 03:03:38



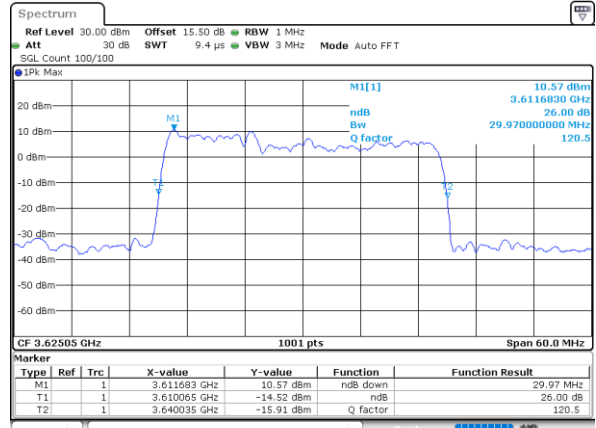
LTE Band 48C

16QAM

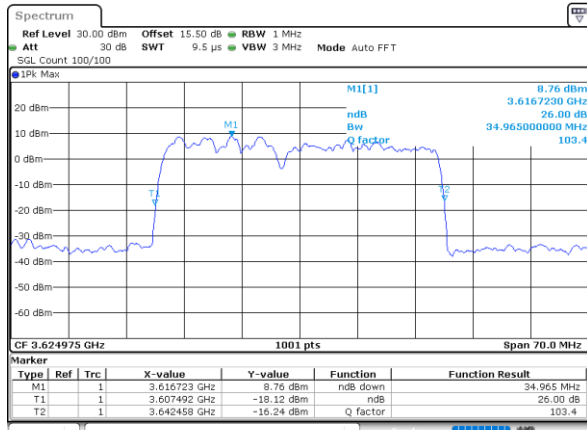
Middle Channel / 5MHz+20MHz



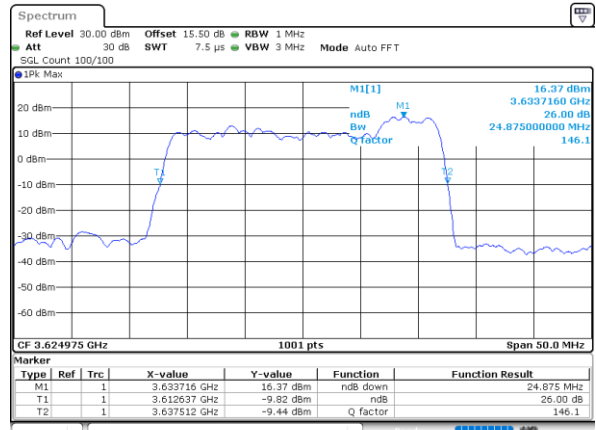
Middle Channel / 10MHz+20MHz



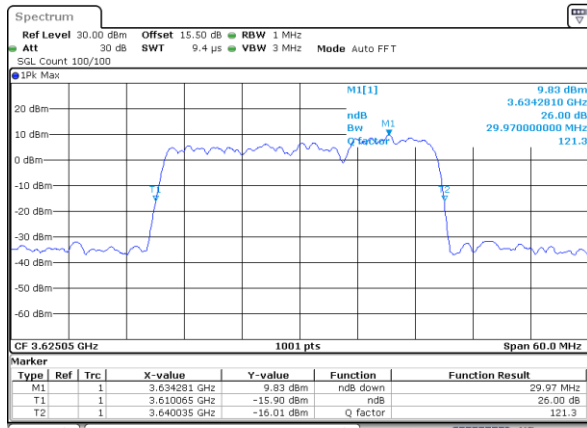
Middle Channel / 15MHz+20MHz



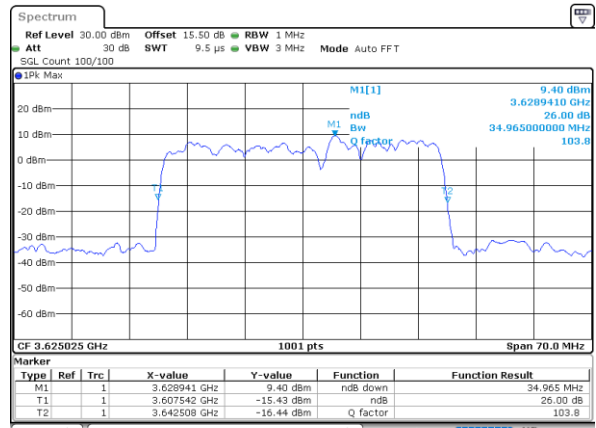
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

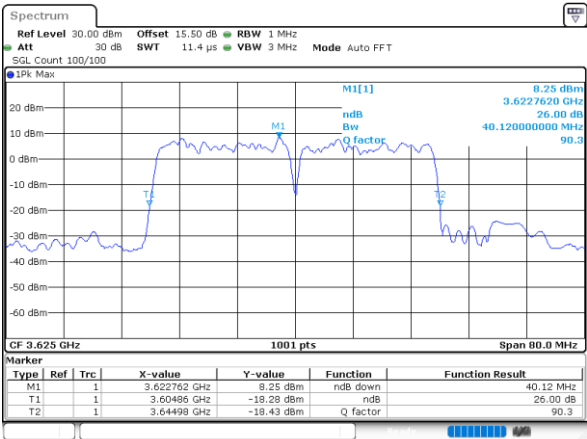




LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz



Date: 18.JUL.2025 03:04:09

Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.48	27.99	32.87	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	32.94	38.04	-

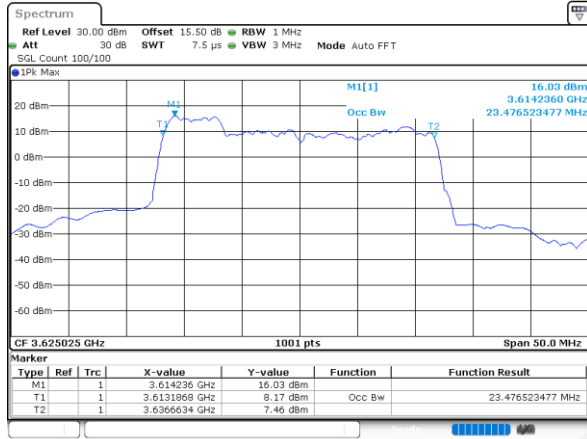
Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.28	28.11	32.94	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	32.94	37.88	-



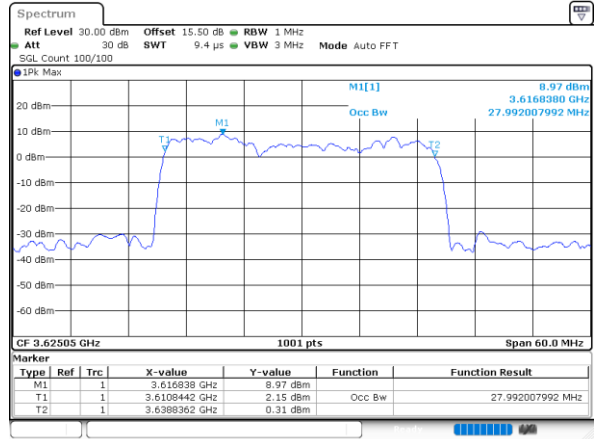
LTE Band 48C

QPSK

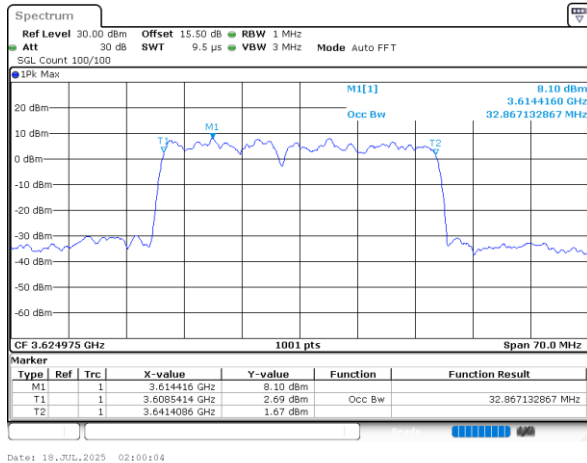
Middle Channel / 5MHz+20MHz



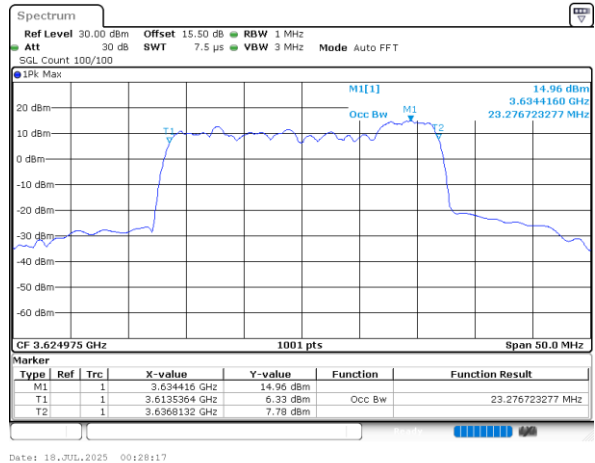
Middle Channel / 10MHz+20MHz



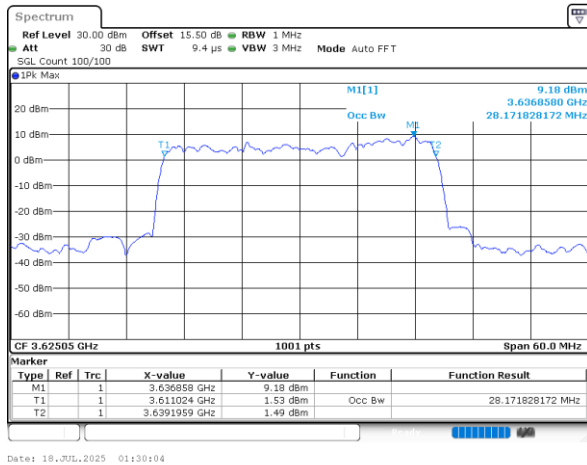
Middle Channel / 15MHz+20MHz



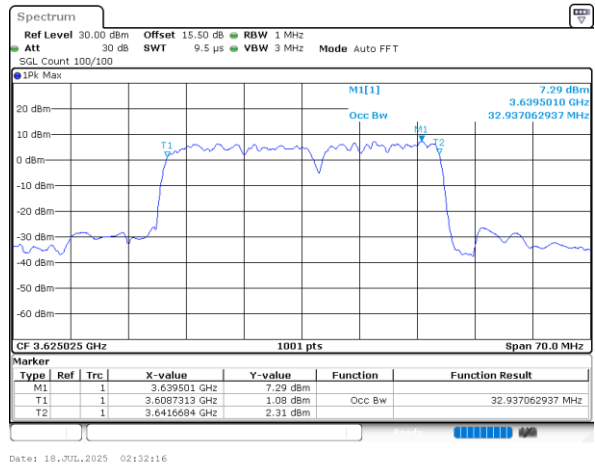
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

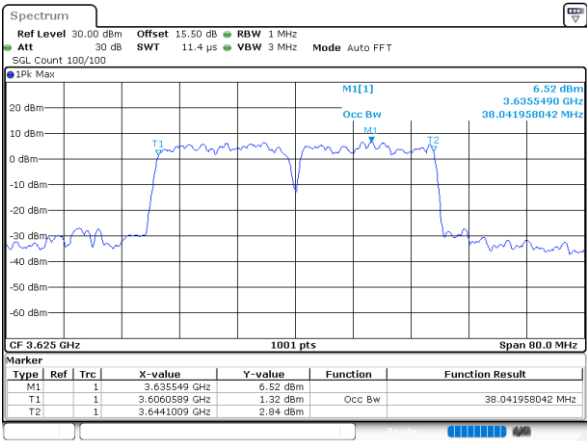




LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz



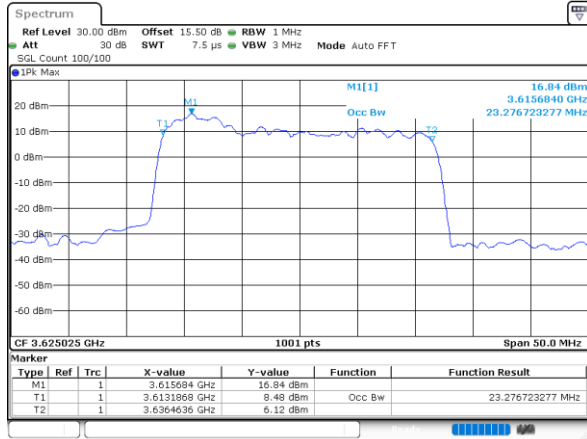
Date: 18.JUL.2025 03:03:07



LTE Band 48C

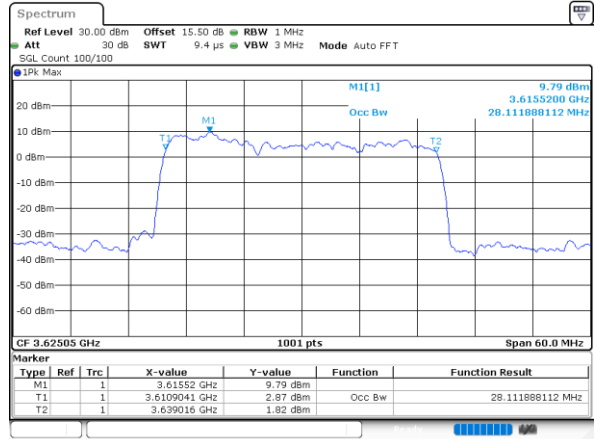
16QAM

Middle Channel / 5MHz+20MHz



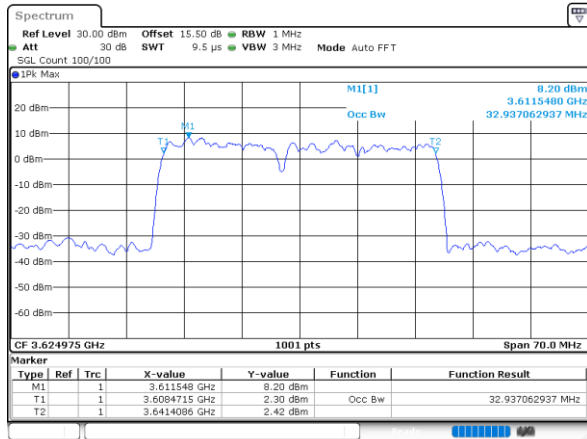
Date: 17.JUL.2025 23:58:00

Middle Channel / 10MHz+20MHz



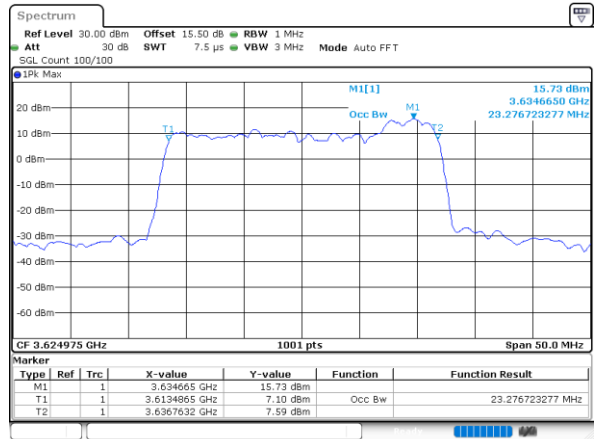
Date: 18.JUL.2025 00:59:40

Middle Channel / 15MHz+20MHz



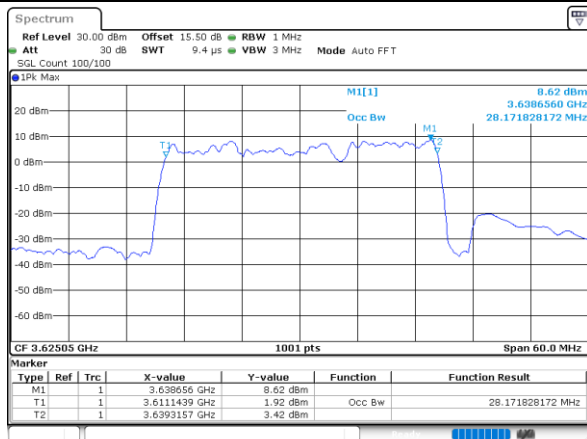
Date: 18.JUL.2025 02:01:52

Middle Channel / 20MHz+5MHz



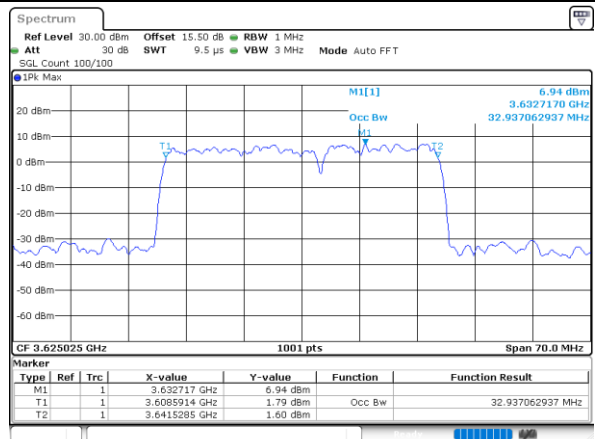
Date: 18.JUL.2025 00:13:05

Middle Channel / 20MHz+10MHz



Date: 18.JUL.2025 01:31:51

Middle Channel / 20MHz+15MHz



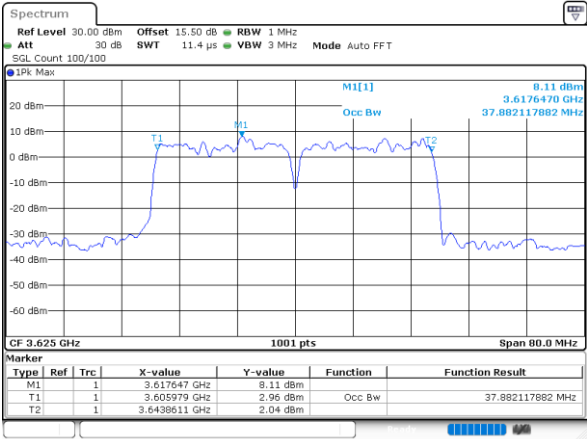
Date: 18.JUL.2025 02:14:04



LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz



Date: 18.JUL.2025 03:04:39



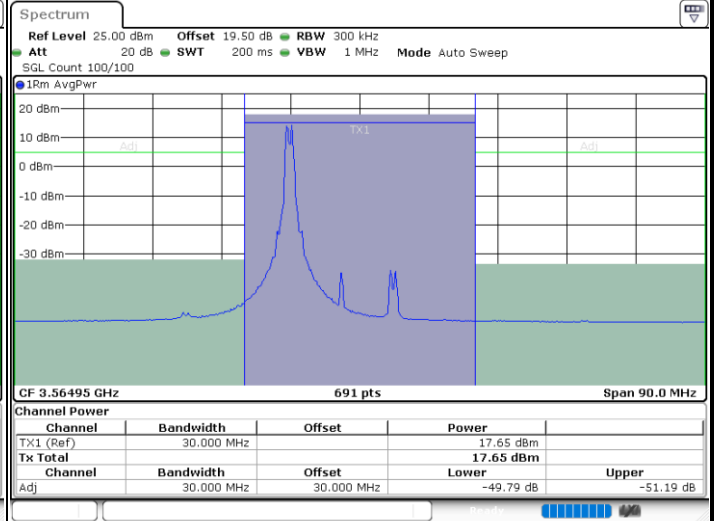
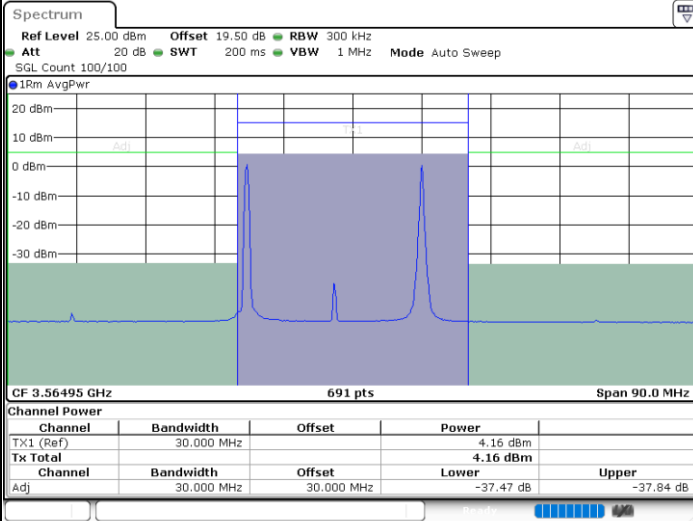
ACLR

LTE Band 48C / 5MHz+20MHz

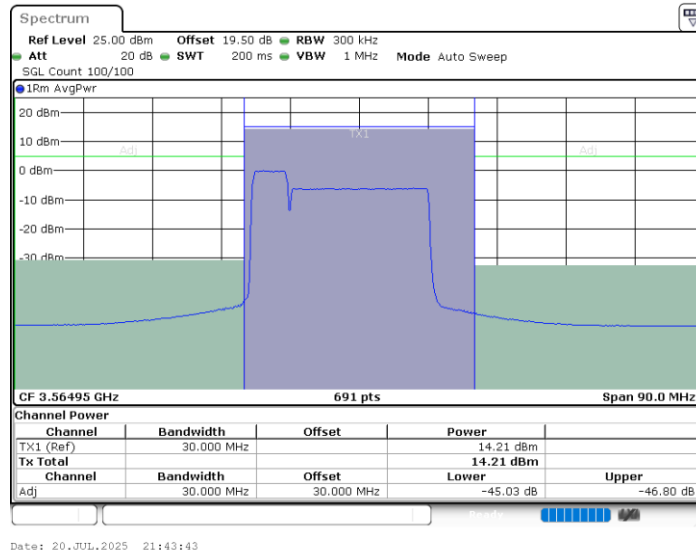
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



Lowest Channel / FullRB



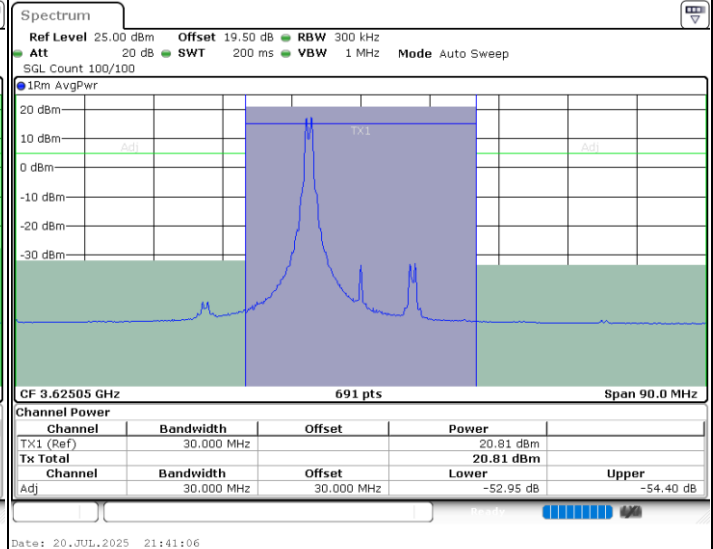
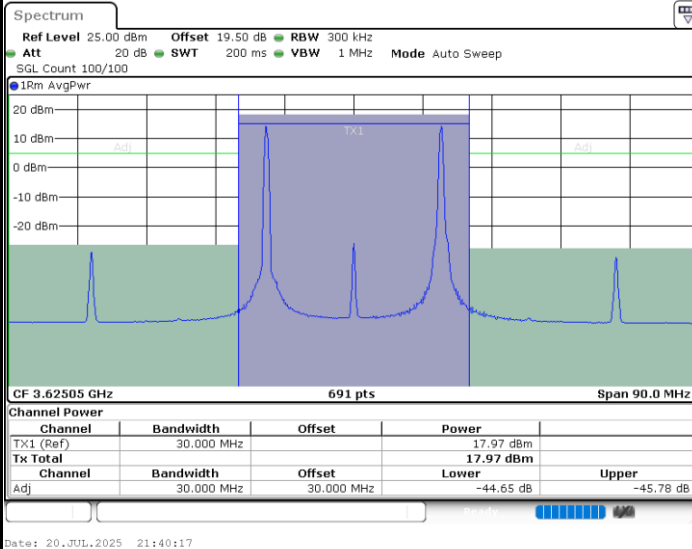


LTE Band 48C / 5MHz+20MHz

QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



Middle Channel / FullIRB

