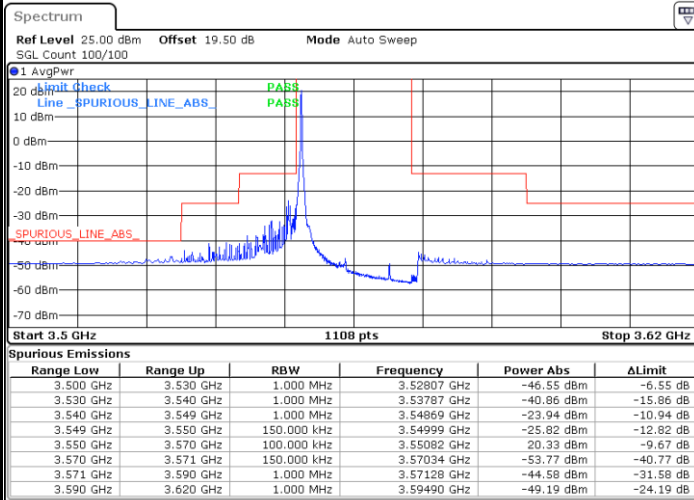




LTE Band 48 / 15MHz

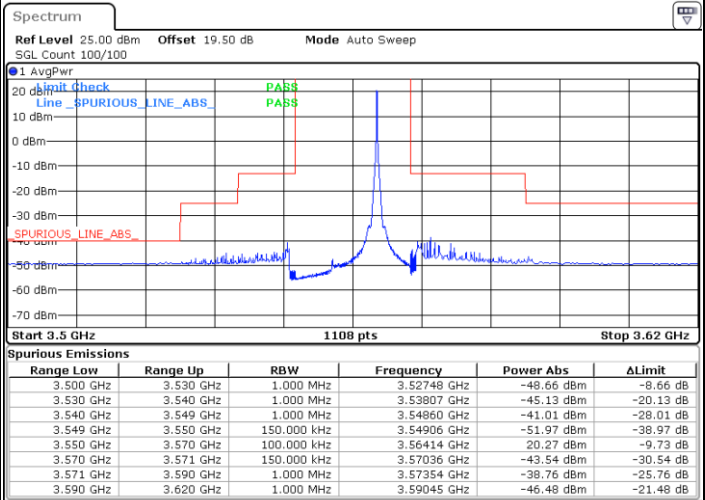
16QAM

Lowest Channel / 1RB0



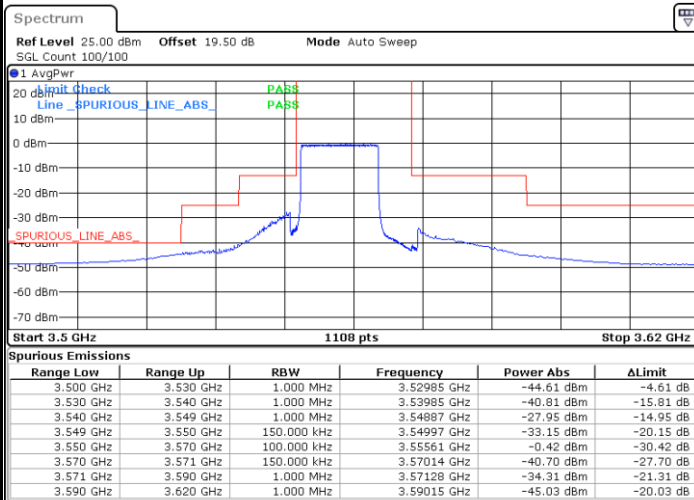
Date: 7 SEP. 2023 18:12:34

Lowest Channel / 1RBmax



Date: 7 SEP. 2023 18:20:07

Lowest Channel / FullIRB



Date: 16.SEP.2023 09:28:58

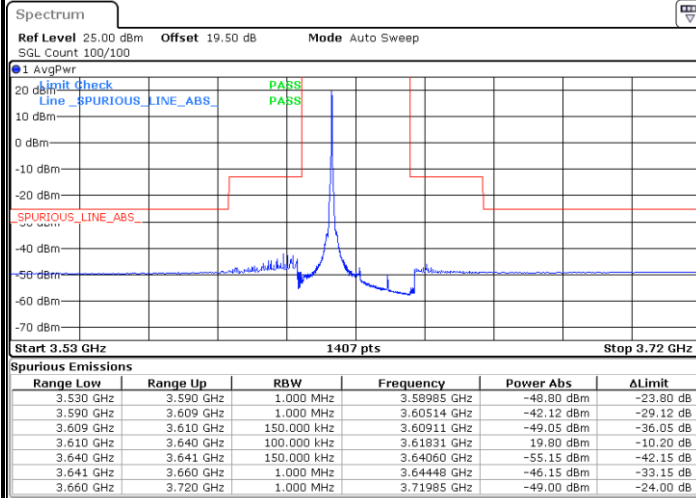
N/A



LTE Band 48 / 15MHz

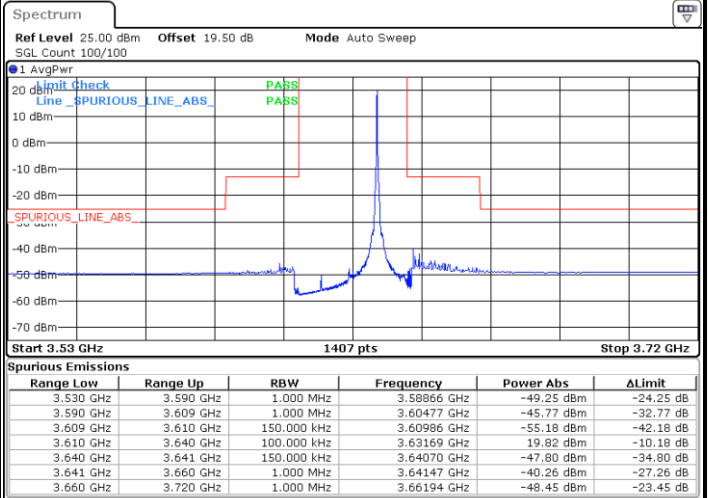
16QAM

Middle Channel / 1RB0



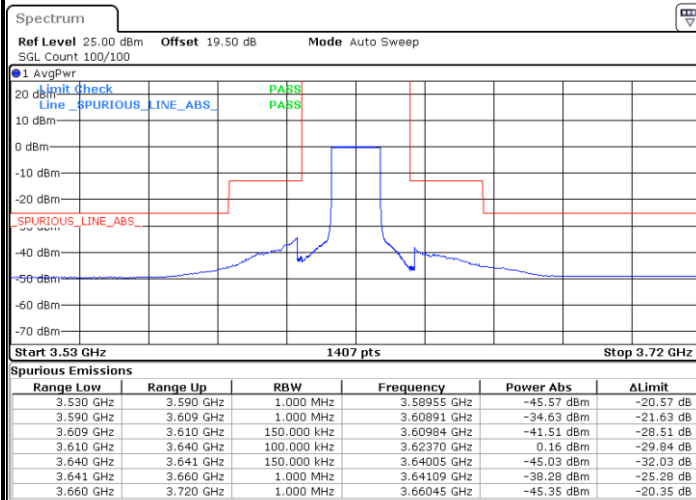
Date: 8 SEP 2023 13:09:45

Middle Channel / 1RBmax



Date: 8 SEP 2023 13:15:40

Middle Channel / FullRB



Date: 8 SEP 2023 13:20:45

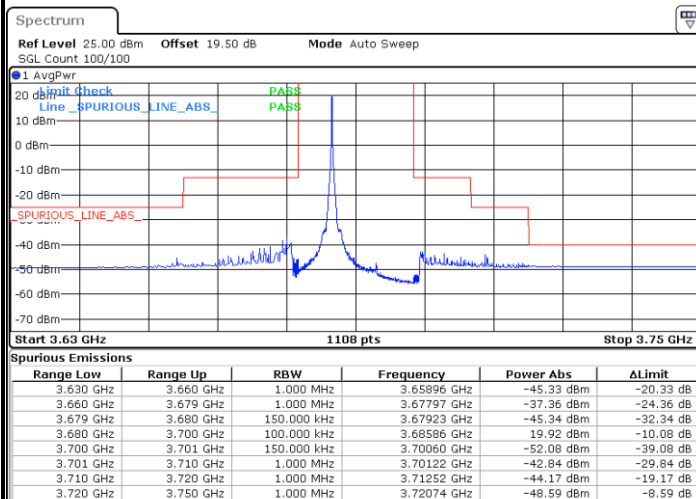
N/A



LTE Band 48 / 15MHz

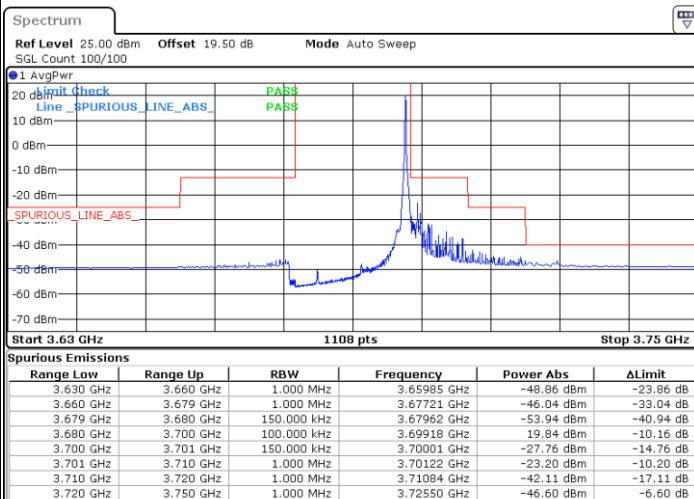
16QAM

Highest Channel / 1RB0



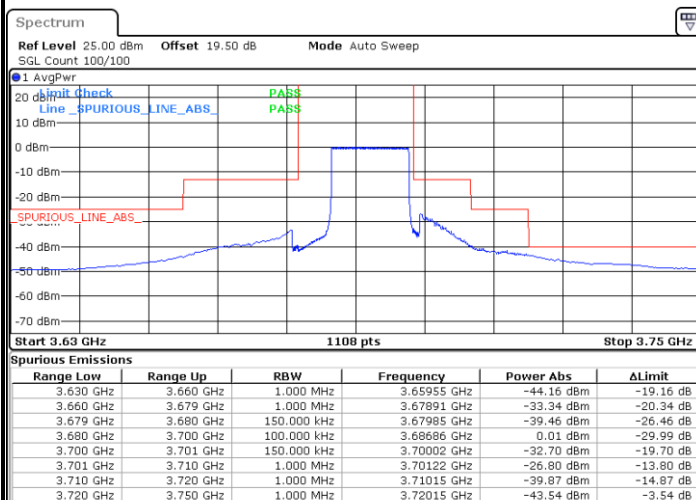
Date: 8 SEP 2023 13:27:38

Highest Channel / 1RBmax



Date: 8 SEP 2023 13:30:47

Highest Channel / FullRB



Date: 8 SEP 2023 13:37:02

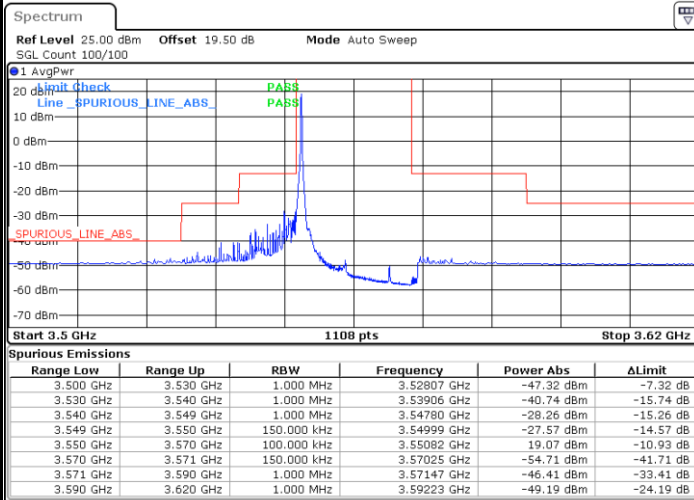
N/A



LTE Band 48 / 15MHz

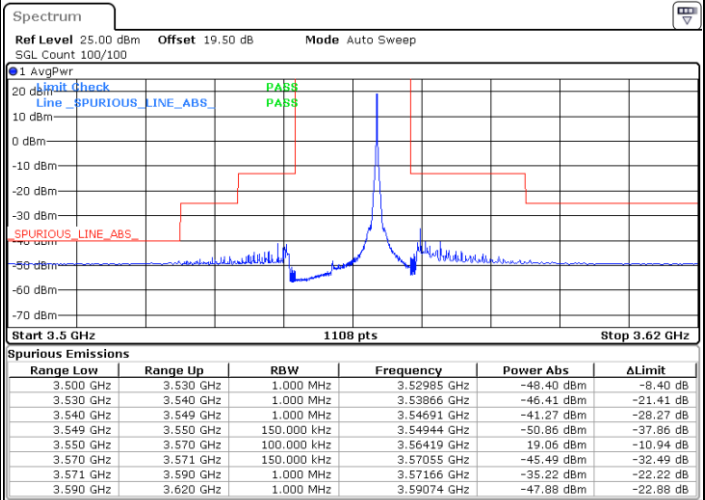
64QAM

Lowest Channel / 1RB0



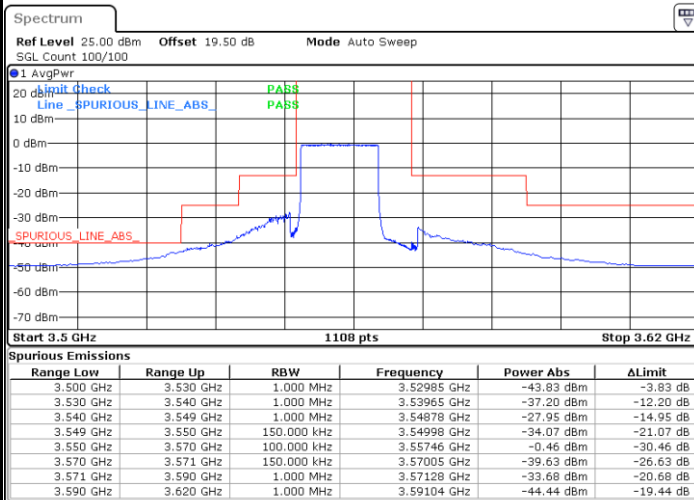
Date: 7 SEP. 2023 18:11:18

Lowest Channel / 1RBmax



Date: 7 SEP. 2023 18:23:17

Lowest Channel / FullRB



Date: 7 SEP. 2023 18:28:27

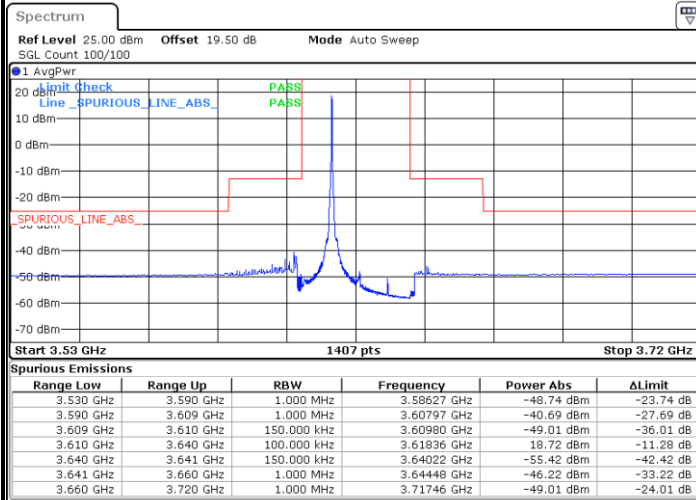
N/A



LTE Band 48 / 15MHz

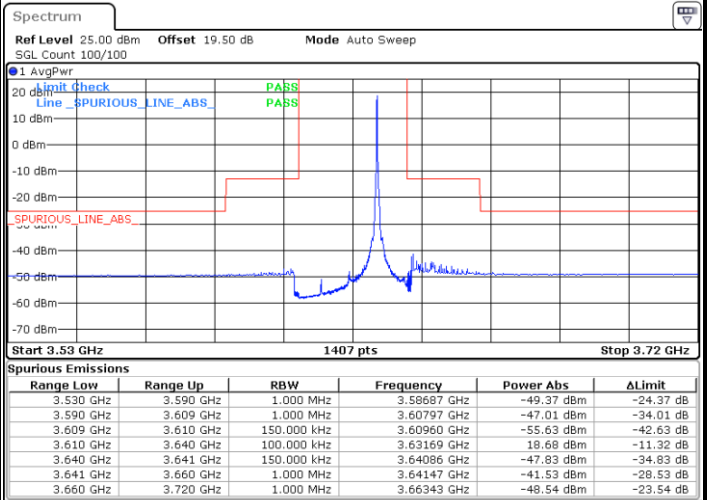
64QAM

Middle Channel / 1RB0



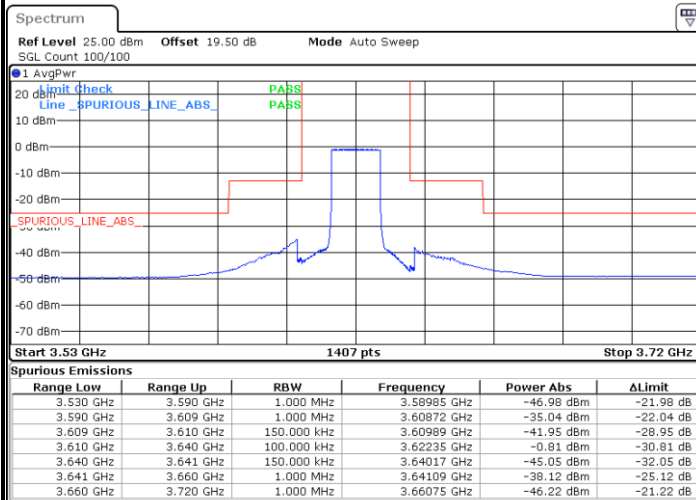
Date: 8 SEP 2023 13:11:22

Middle Channel / 1RBmax



Date: 8 SEP 2023 13:17:17

Middle Channel / FullRB



Date: 8 SEP 2023 13:22:58

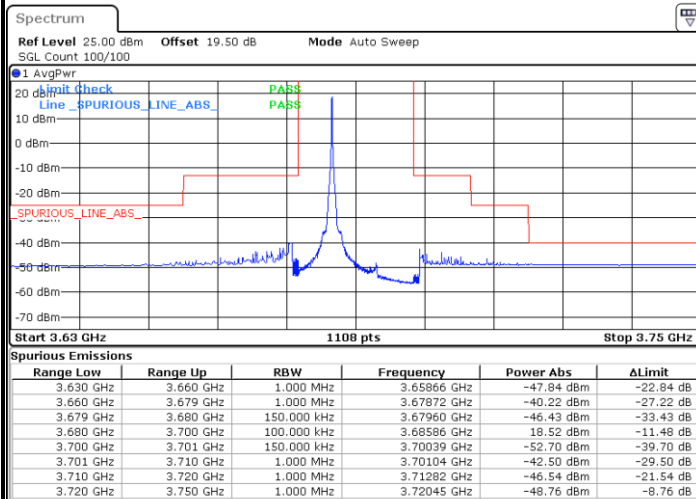
N/A



LTE Band 48 / 15MHz

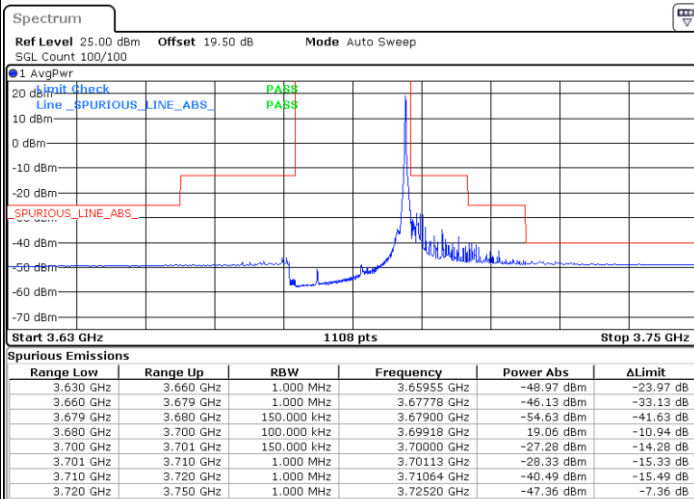
64QAM

Highest Channel / 1RB0



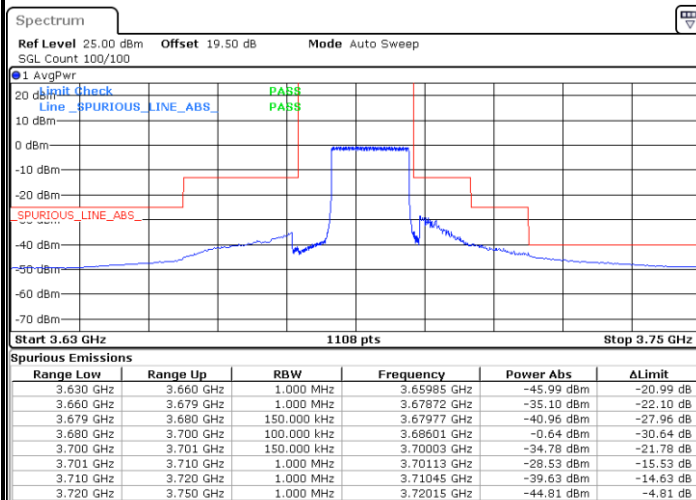
Date: 8 SEP 2023 13:24:58

Highest Channel / 1RBmax



Date: 8 SEP 2023 13:32:27

Highest Channel / FullRB



Date: 8 SEP 2023 13:38:20

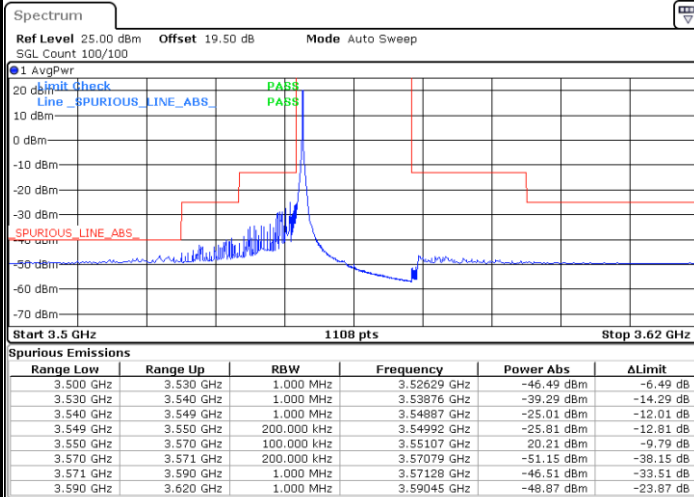
N/A



LTE Band 48 / 20MHz

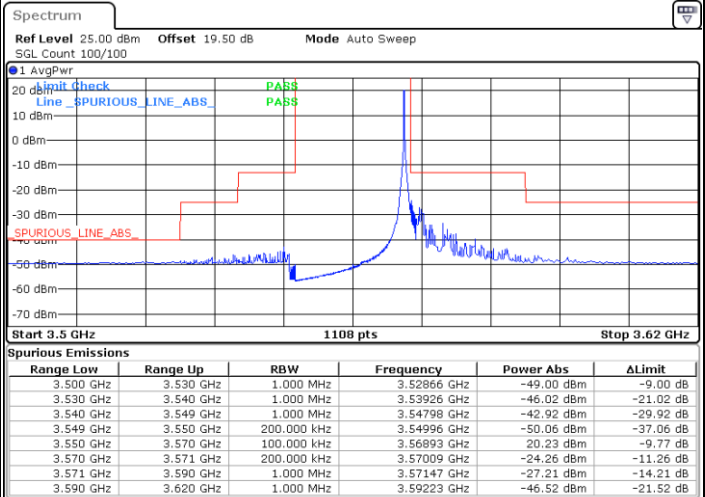
QPSK

Lowest Channel / 1RB0



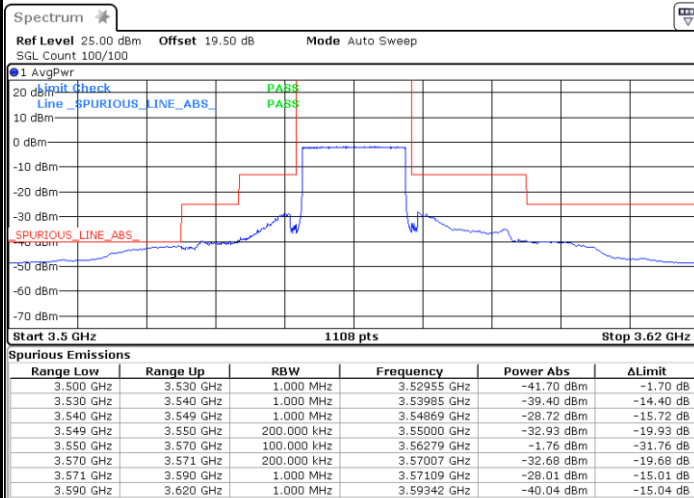
Date: 8 SEP 2023 09:44:09

Lowest Channel / 1RBmax



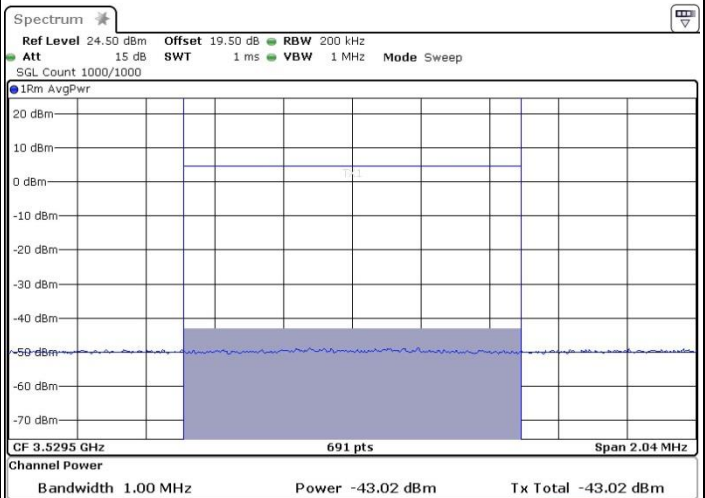
Date: 8 SEP 2023 09:50:36

Lowest Channel / FullIRB



Date: 16 SEP 2023 09:31:35

Lowest Channel / FullIRB-CH



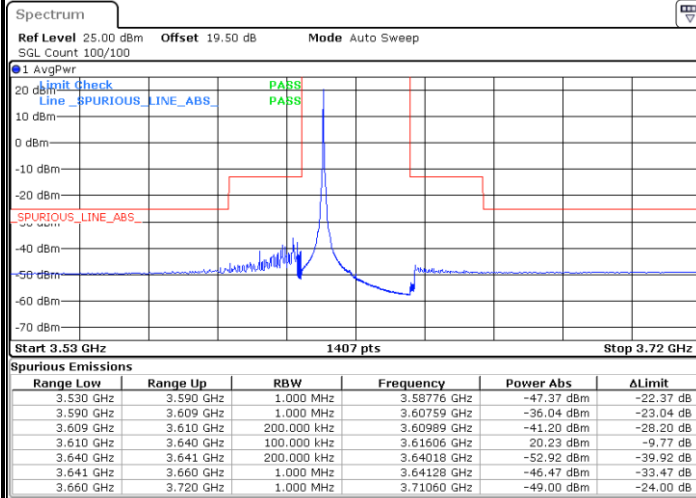
Date: 16 SEP 2023 09:36:14



LTE Band 48 / 20MHz

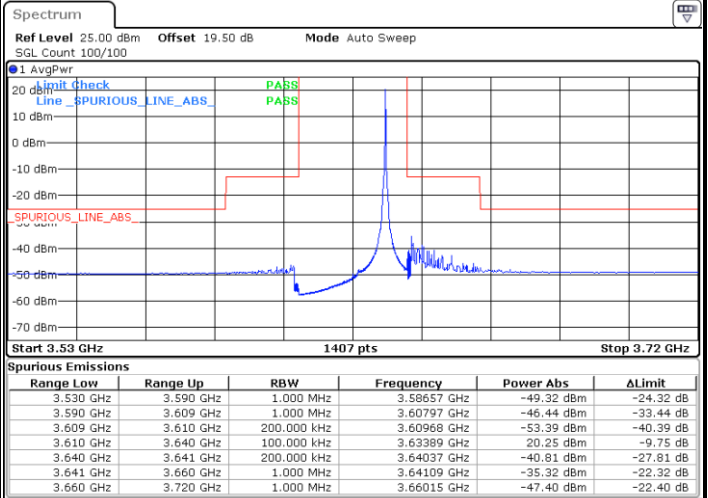
QPSK

Middle Channel / 1RB0



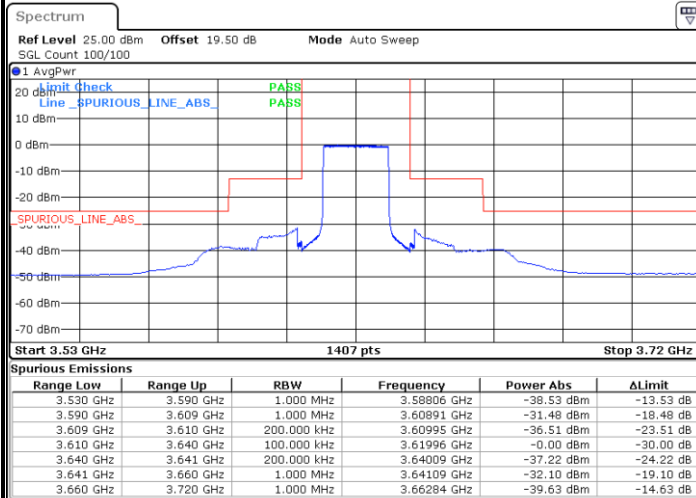
Date: 8 SEP 2023 10:45:04

Middle Channel / 1RBmax



Date: 8 SEP 2023 10:38:40

Middle Channel / FullRB



Date: 8 SEP 2023 10:28:28

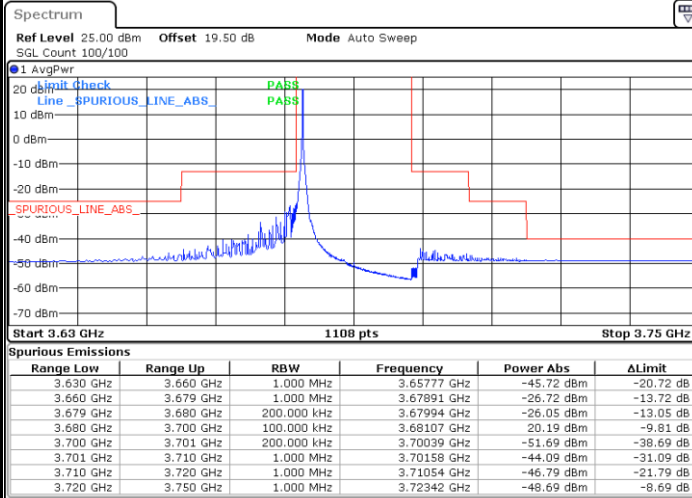
N/A



LTE Band 48 / 20MHz

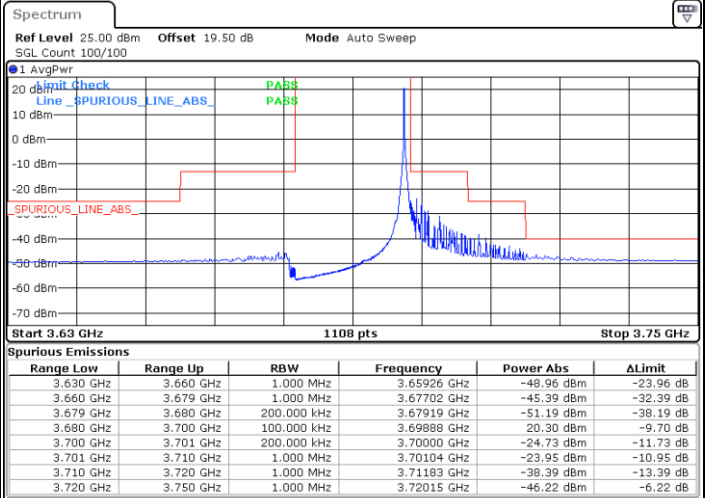
QPSK

Highest Channel / 1RB0



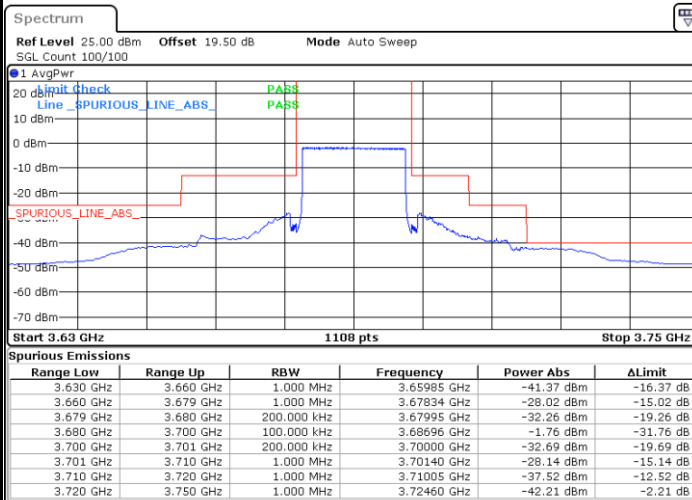
Date: 8 SEP.2023 11:12:19

Highest Channel / 1RBmax



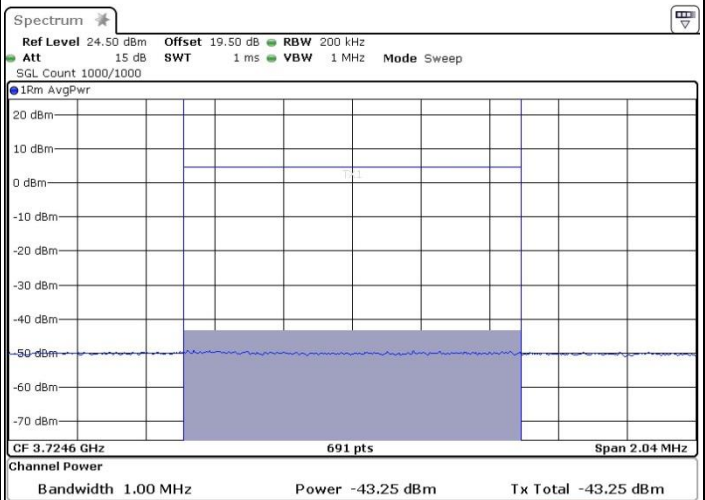
Date: 8 SEP.2023 11:16:19

Highest Channel / Full RB



Date: 16.SEP.2023 09:45:30

Highest Channel / Full RB



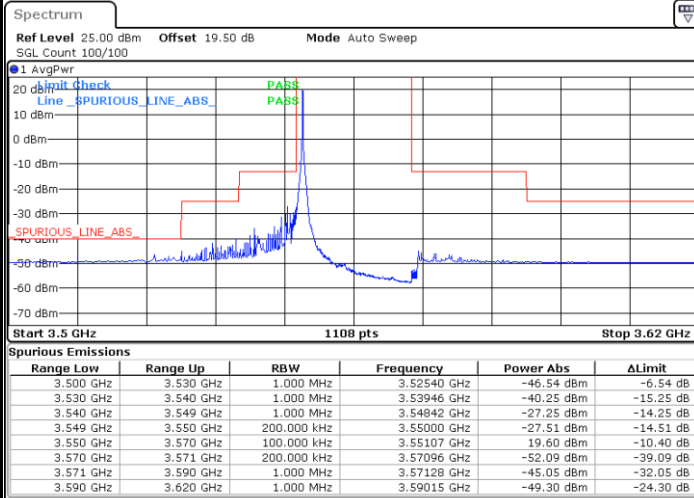
Date: 16.SEP.2023 09:47:34



LTE Band 48 / 20MHz

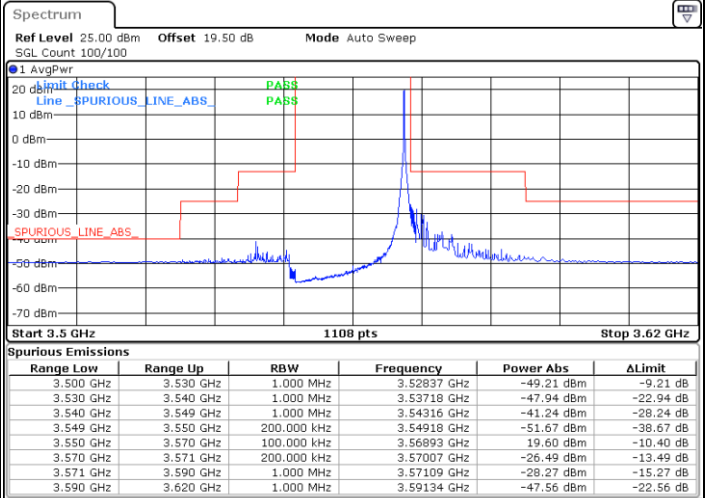
16QAM

Lowest Channel / 1RB0



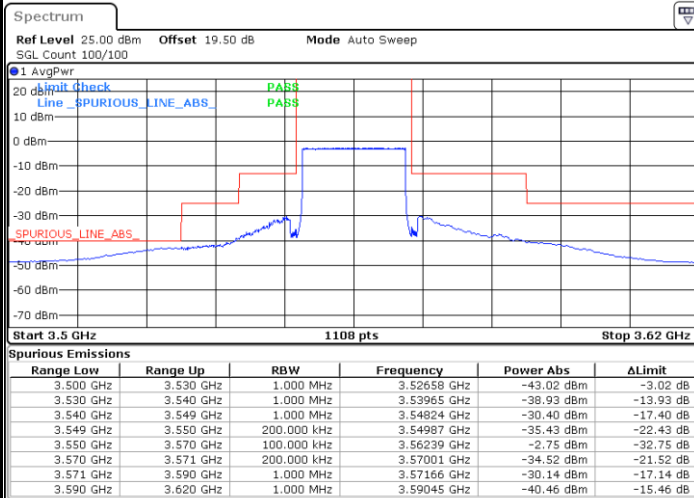
Date: 8 SEP.2023 09:45:27

Lowest Channel / 1RBmax



Date: 8 SEP.2023 09:49:21

Lowest Channel / FullIRB



Date: 16.SEP.2023 09:37:54

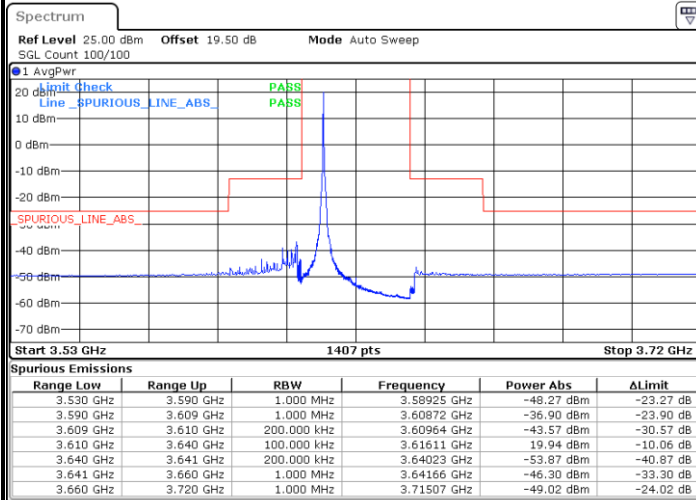
N/A



LTE Band 48 / 20MHz

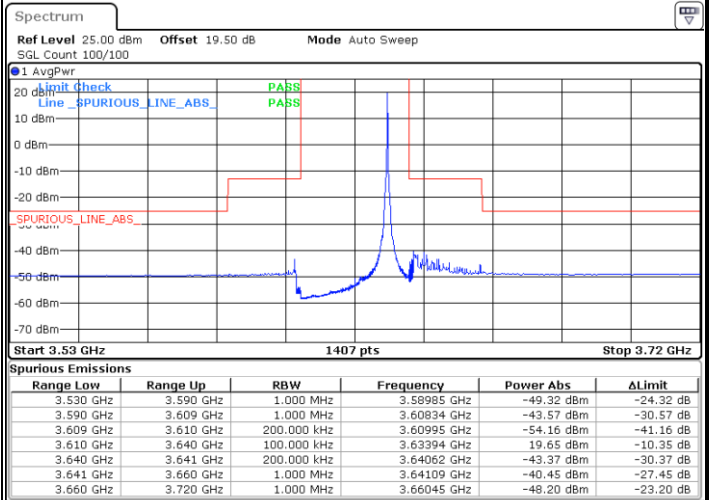
16QAM

Middle Channel / 1RB0



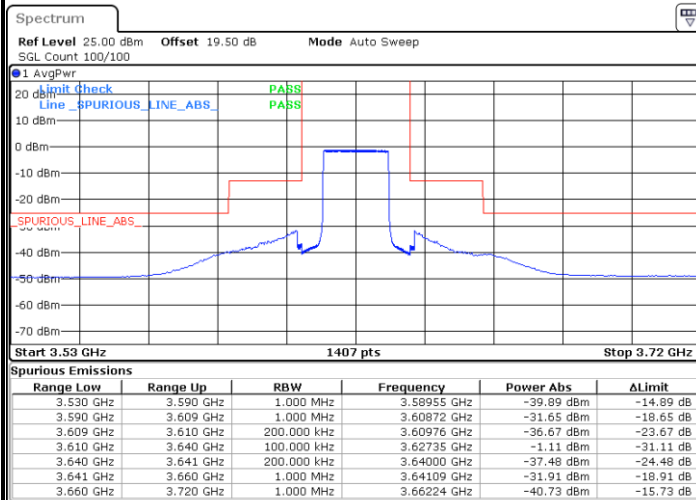
Date: 8 SEP 2023 10:46:53

Middle Channel / 1RBmax



Date: 8 SEP 2023 10:37:01

Middle Channel / FullRB



Date: 8 SEP 2023 10:21:48

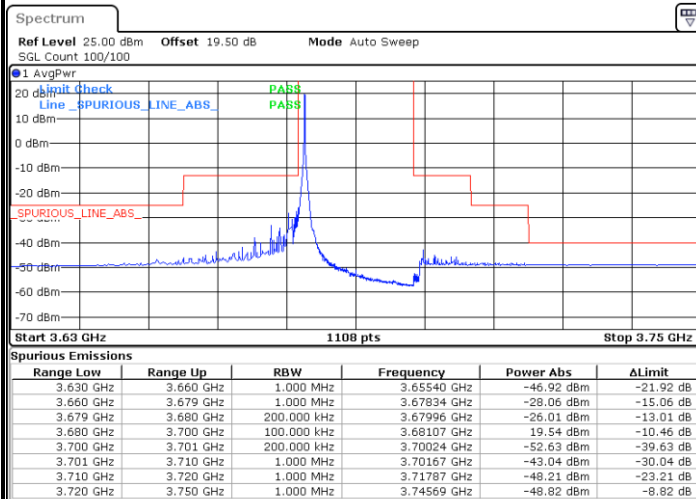
N/A



LTE Band 48 / 20MHz

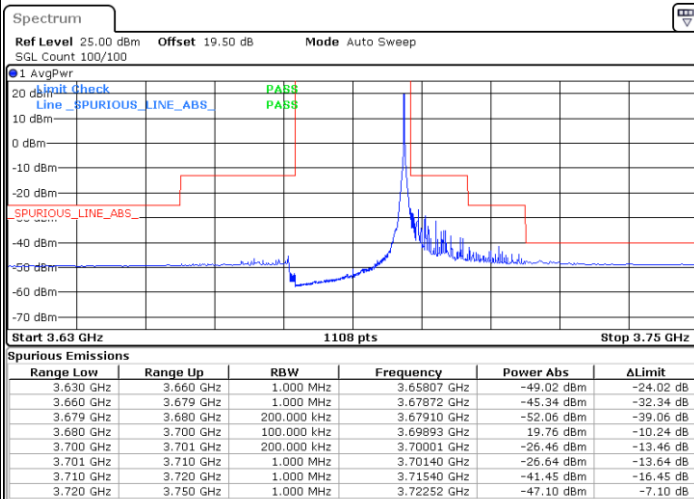
16QAM

Highest Channel / 1RB0



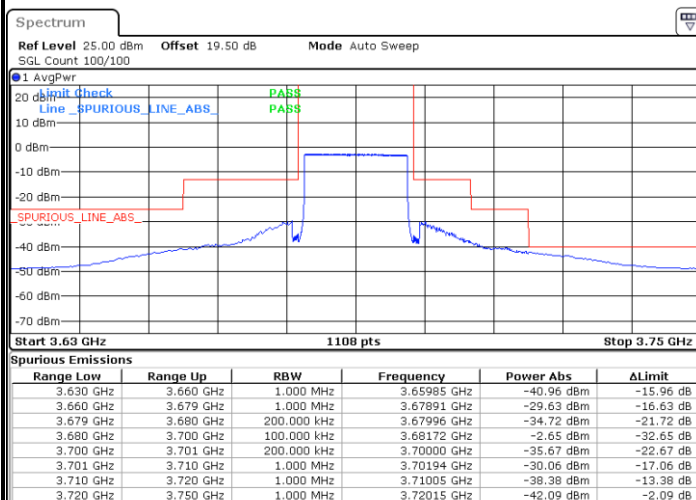
Date: 8 SEP.2023 11:13:36

Highest Channel / 1RBmax



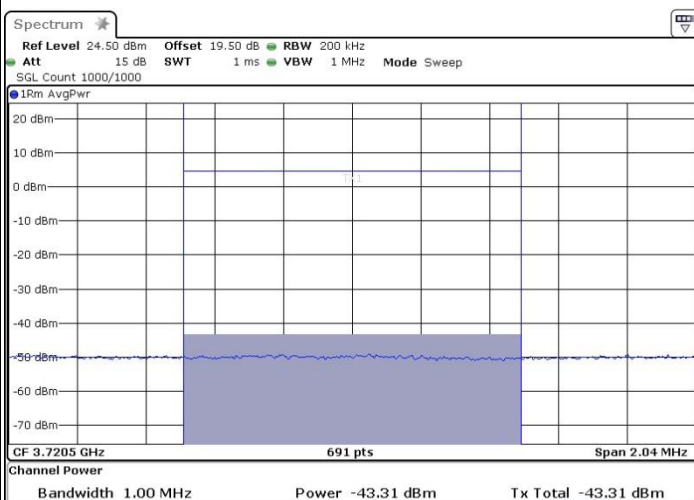
Date: 8 SEP.2023 11:17:35

Highest Channel / FullRB



Date: 16.SEP.2023 09:49:13

Highest Channel / FullRB



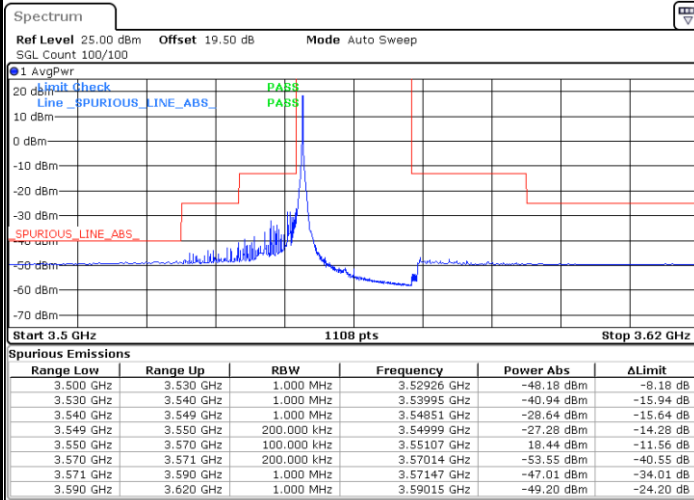
Date: 16.SEP.2023 09:50:40



LTE Band 48 / 20MHz

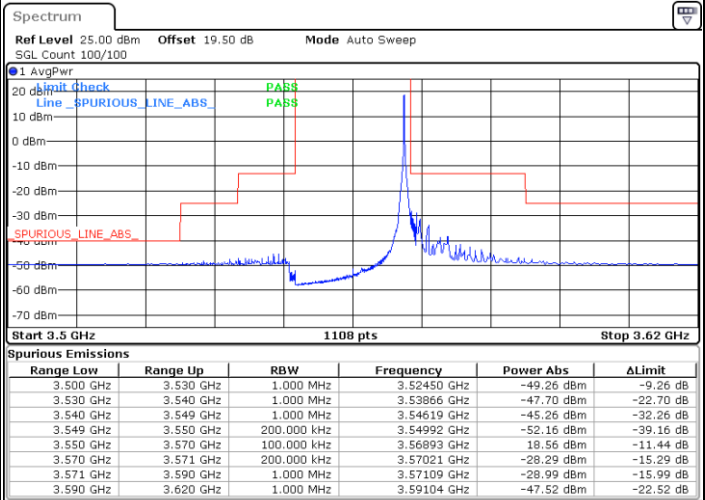
64QAM

Lowest Channel / 1RB0



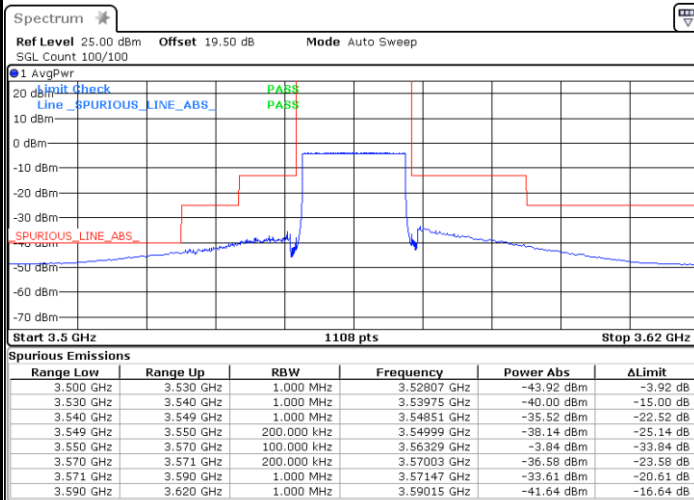
Date: 8 SEP.2023 09:46:42

Lowest Channel / 1RBmax



Date: 8 SEP.2023 09:48:01

Lowest Channel / FullRB



Date: 16.SEP.2023 09:40:43

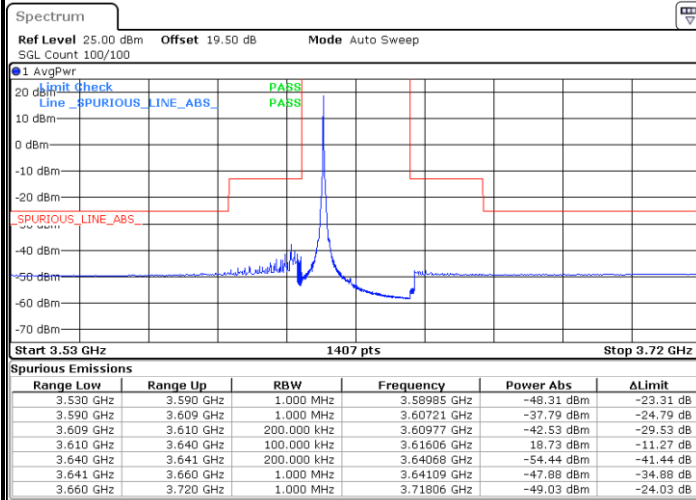
N/A



LTE Band 48 / 20MHz

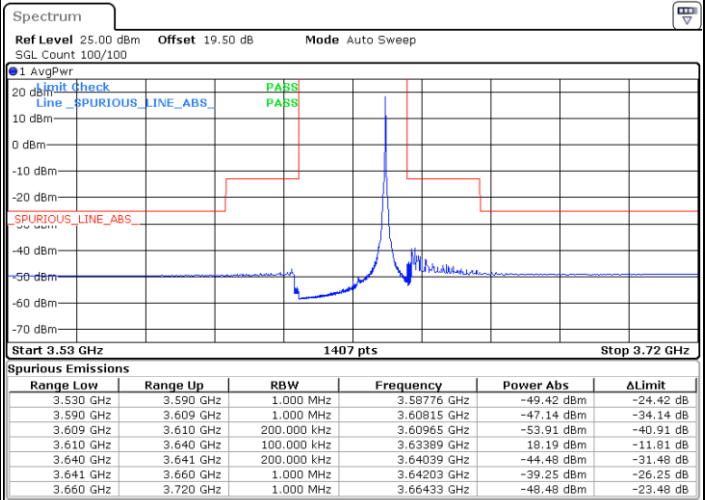
64QAM

Middle Channel / 1RB0



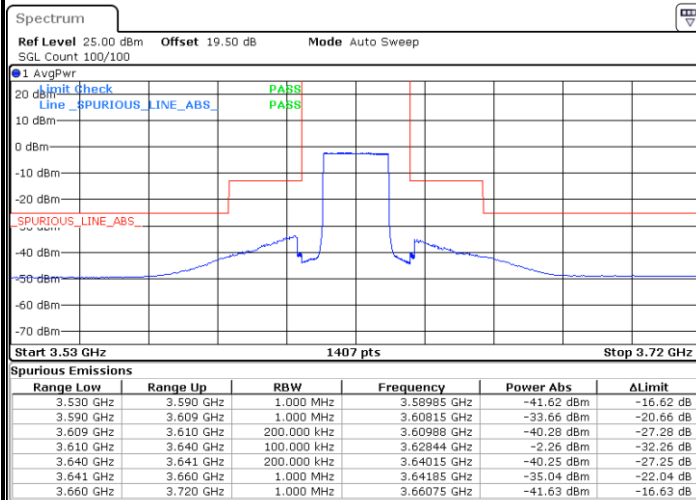
Date: 8 SEP 2023 10:48:37

Middle Channel / 1RBmax



Date: 8 SEP 2023 10:35:14

Middle Channel / FullRB



Date: 8 SEP 2023 10:32:00

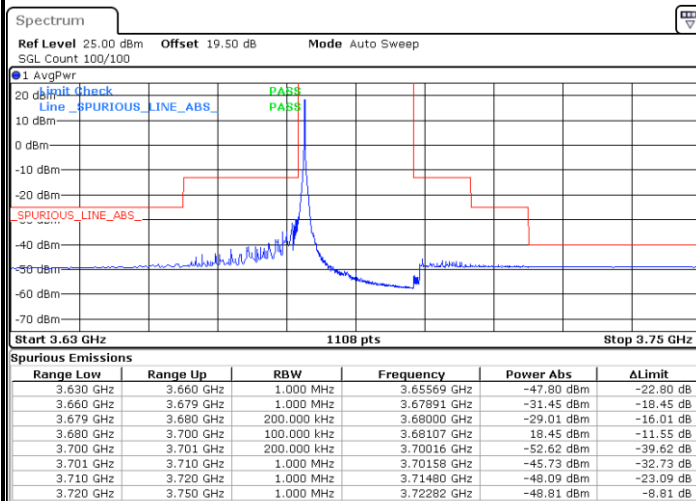
N/A



LTE Band 48 / 20MHz

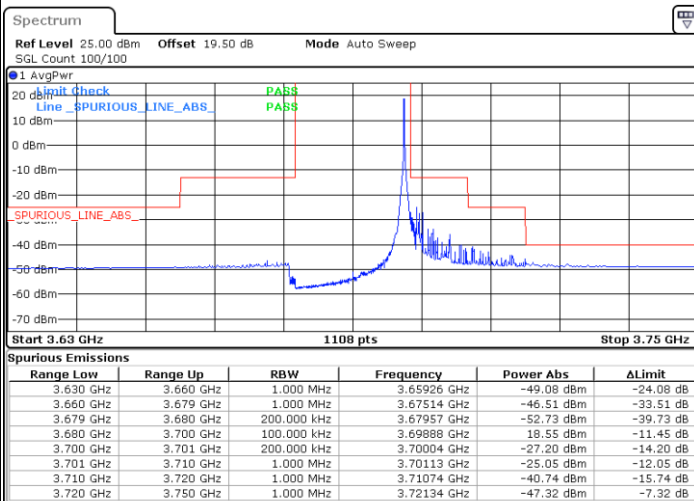
64QAM

Highest Channel / 1RB0



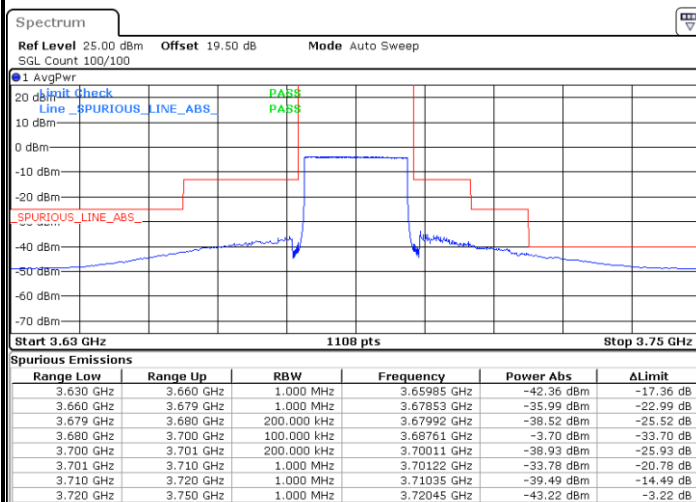
Date: 8 SEP.2023 11:14:52

Highest Channel / 1RBmax



Date: 8 SEP.2023 11:18:53

Highest Channel / FullRB



Date: 16.SEP.2023 09:52:05

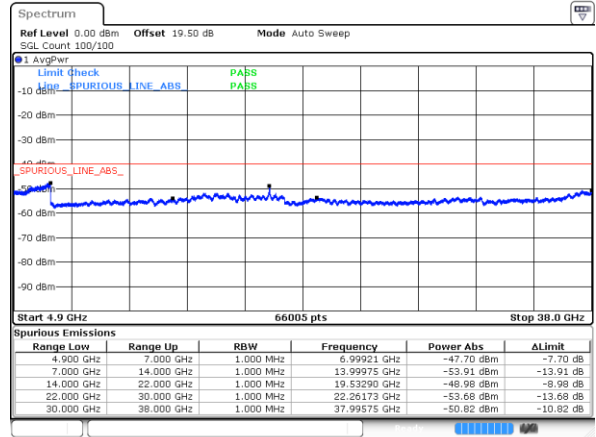
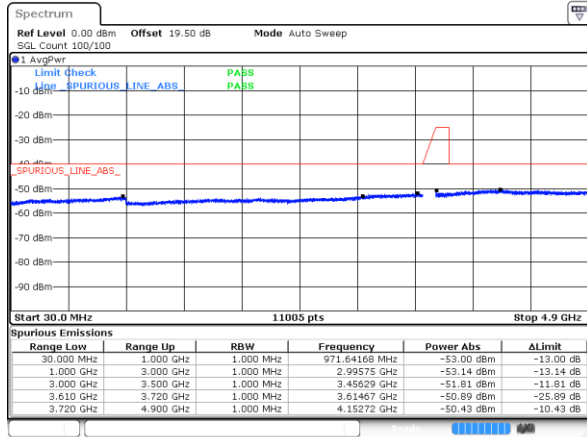
N/A



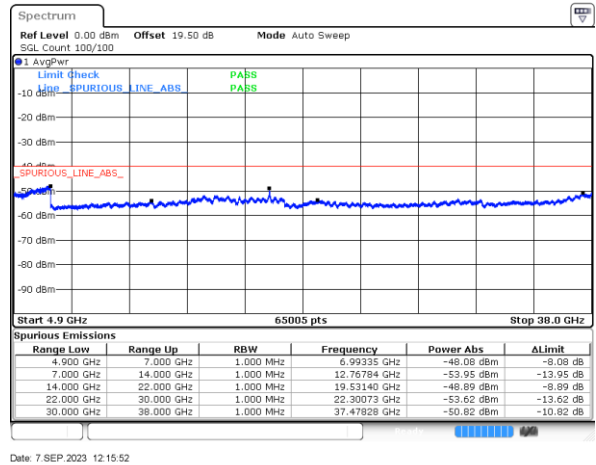
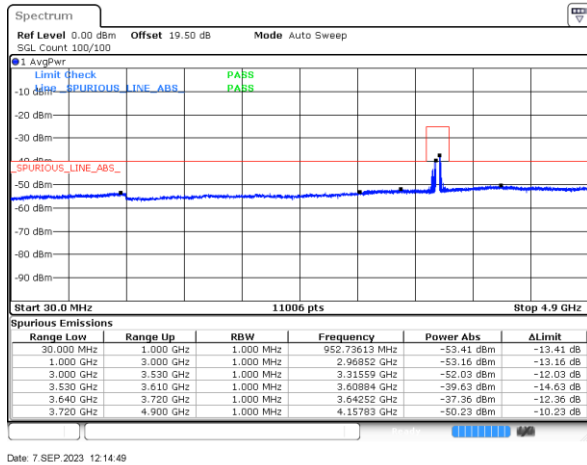
Conducted Spurious Emission

LTE Band 48 / 5MHz

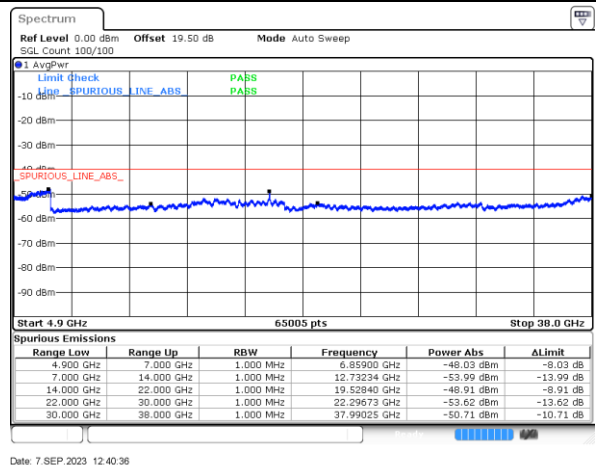
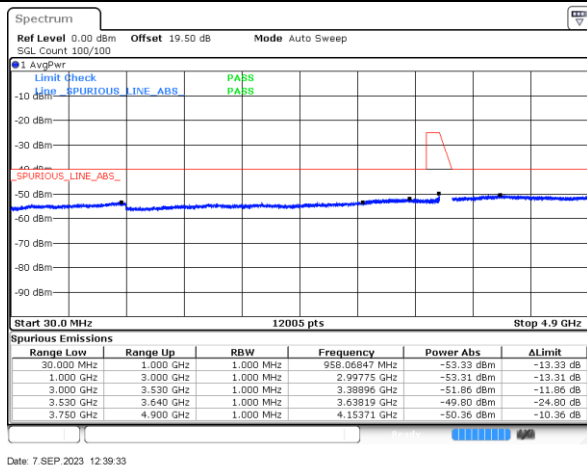
Lowest Channel / QPSK



Middle Channel / QPSK



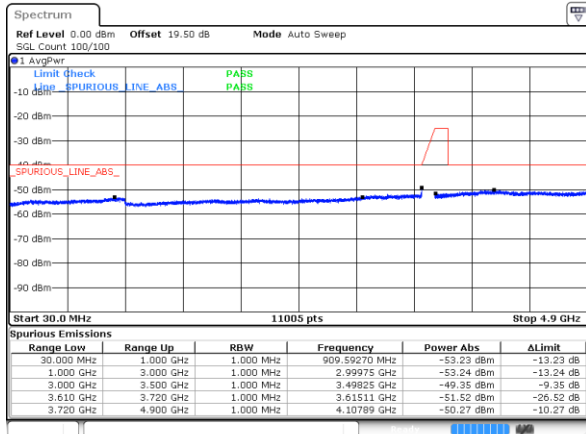
Highest Channel / QPSK



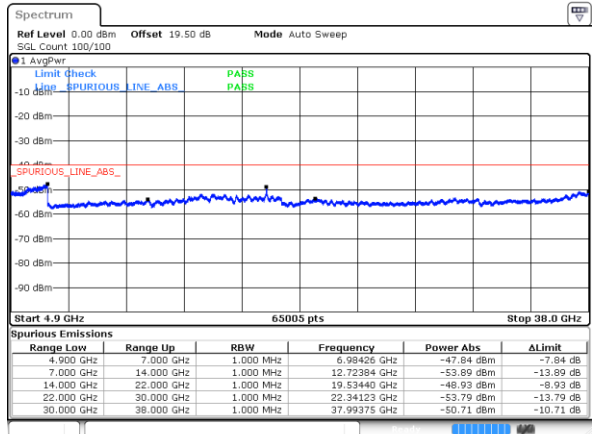


LTE Band 48 / 10MHz

Lowest Channel / QPSK

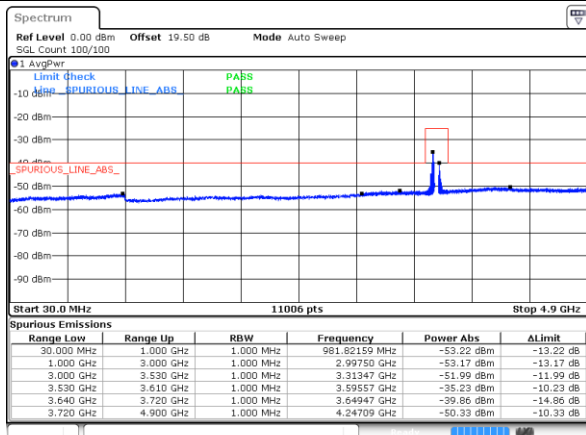


Date: 7 SEP 2023 13:03:44

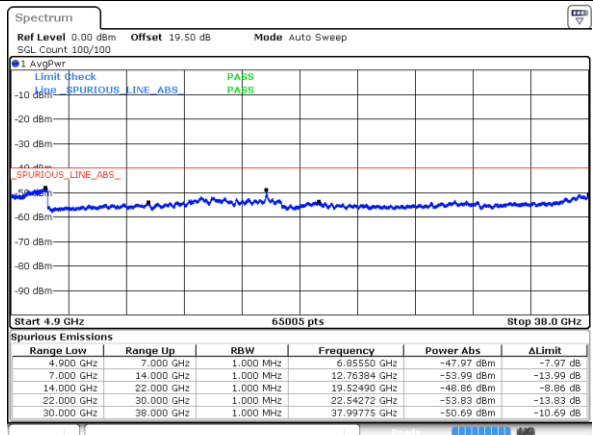


Date: 7 SEP 2023 13:04:47

Middle Channel / QPSK

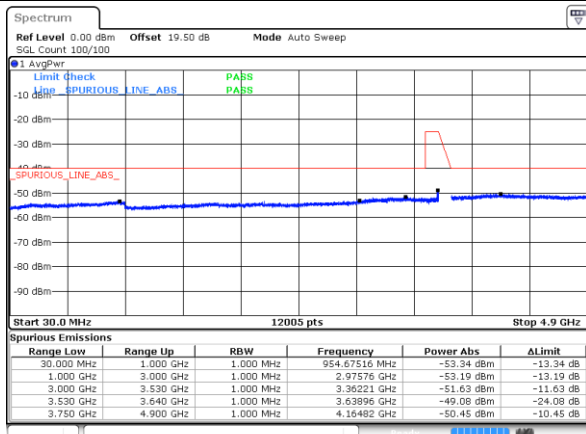


Date: 7 SEP 2023 16:57:29

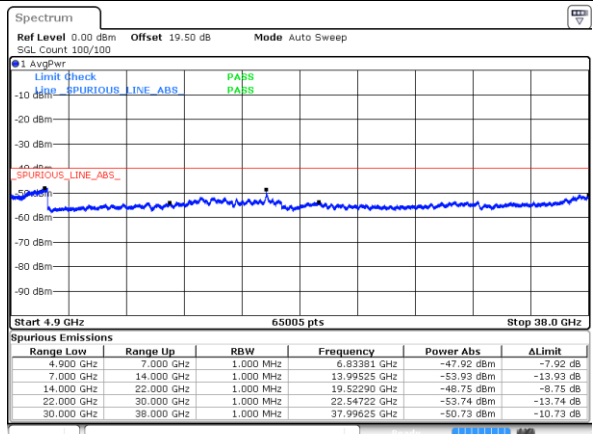


Date: 7 SEP 2023 17:01:18

Highest Channel / QPSK



Date: 7 SEP 2023 17:44:20

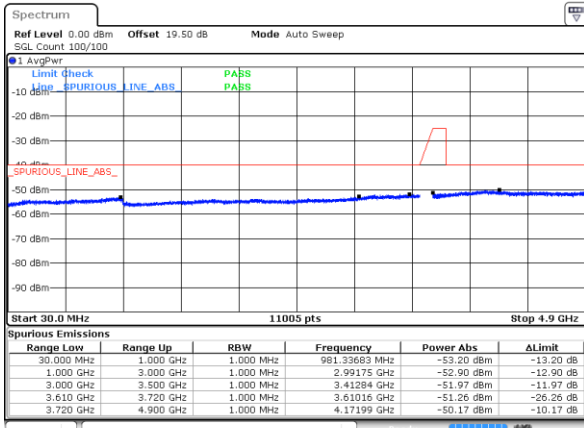


Date: 7 SEP 2023 17:48:10

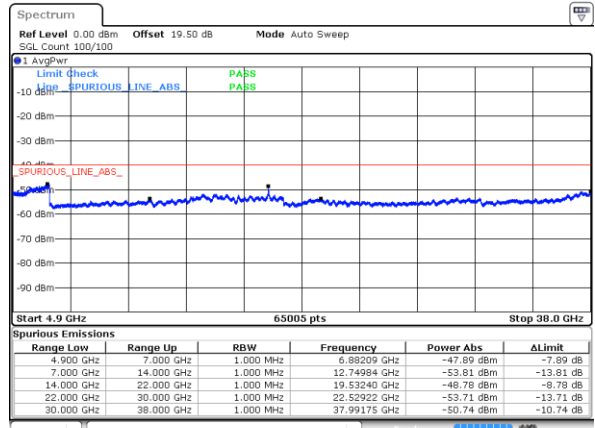


LTE Band 48 / 15MHz

Lowest Channel / QPSK

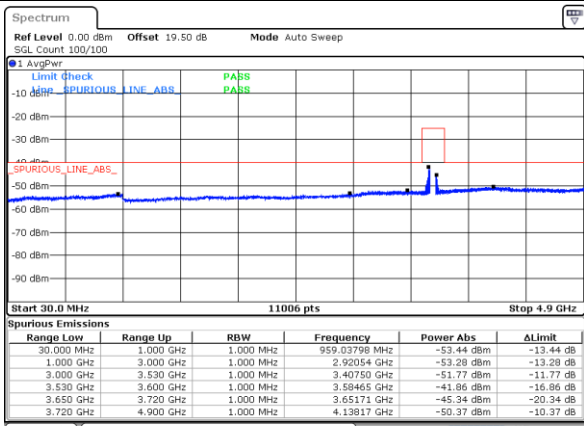


Date: 7 SEP 2023 18:34:05

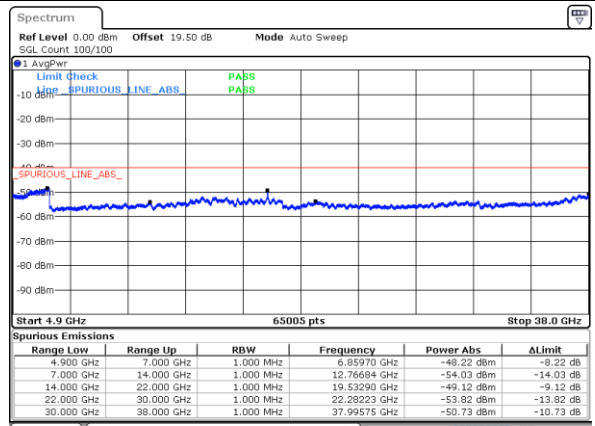


Date: 7 SEP 2023 18:35:08

Middle Channel / QPSK

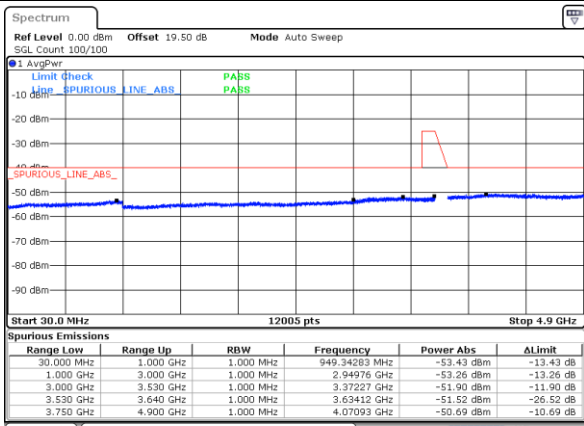


Date: 8 SEP 2023 13:54:56

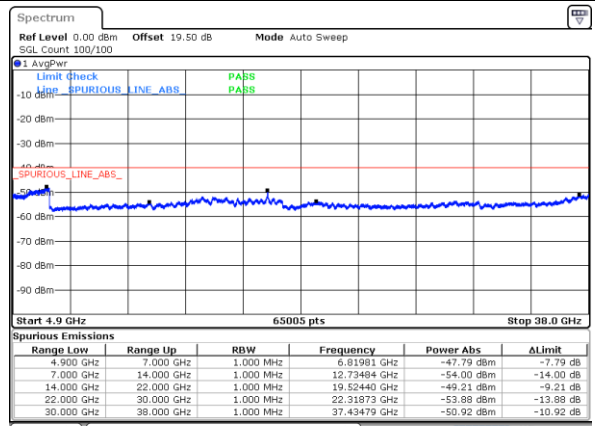


Date: 8 SEP 2023 13:56:36

Highest Channel / QPSK



Date: 8 SEP 2023 13:58:42

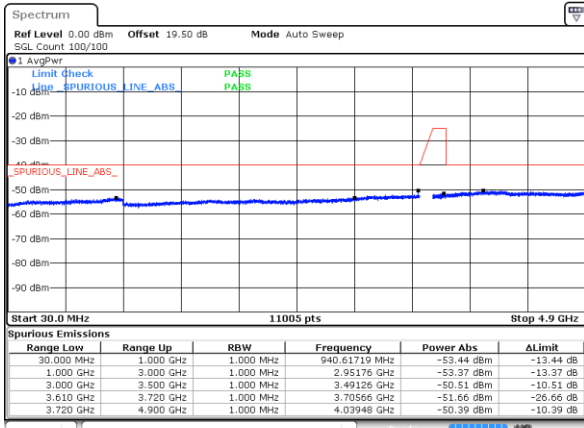


Date: 8 SEP 2023 14:00:14

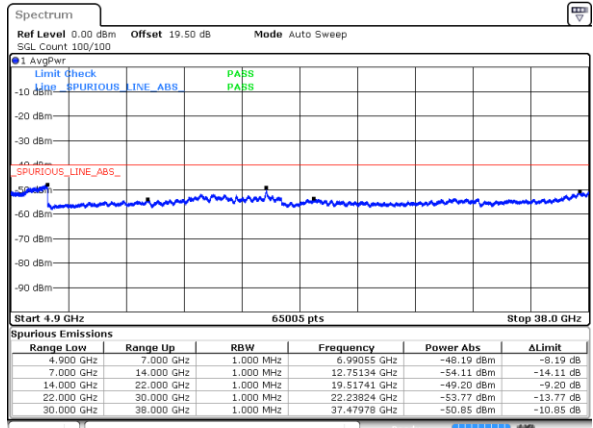


LTE Band 48 / 20MHz

Lowest Channel / QPSK

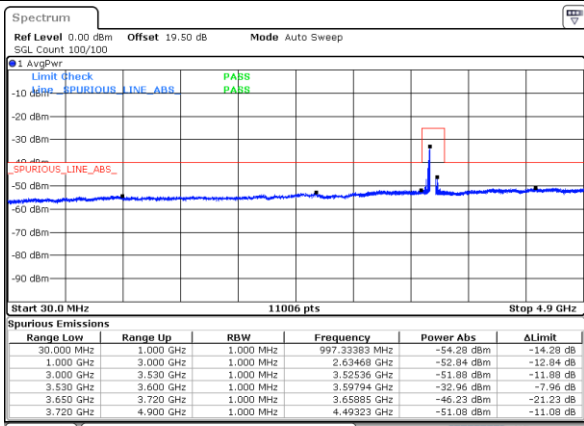


Date: 8 SEP 2023 09:55:51

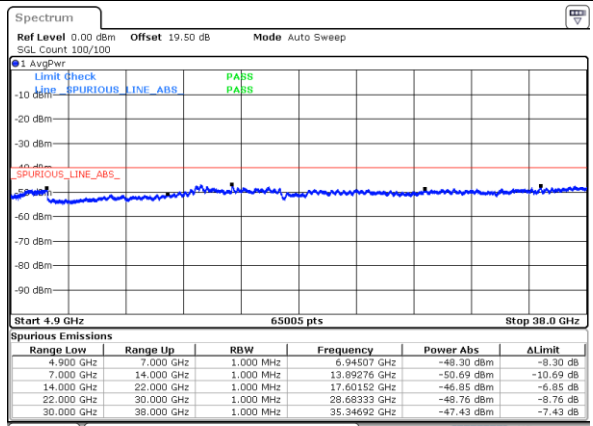


Date: 8 SEP 2023 09:59:46

Middle Channel / QPSK

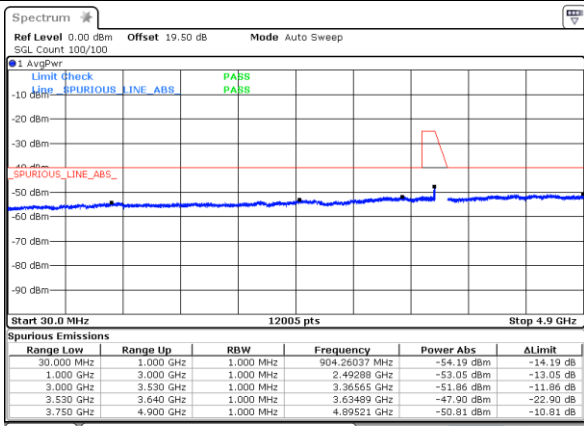


Date: 16 SEP 2023 11:37:30

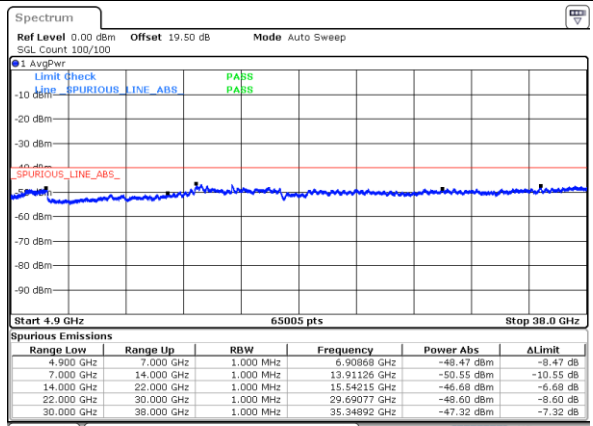


Date: 16 SEP 2023 11:43:53

Highest Channel / QPSK



Date: 16 SEP 2023 11:40:07



Date: 16 SEP 2023 11:42:30

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	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 7.82 V. ; Battery End Point = 6.8 V. ; Maximum Voltage = 9 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



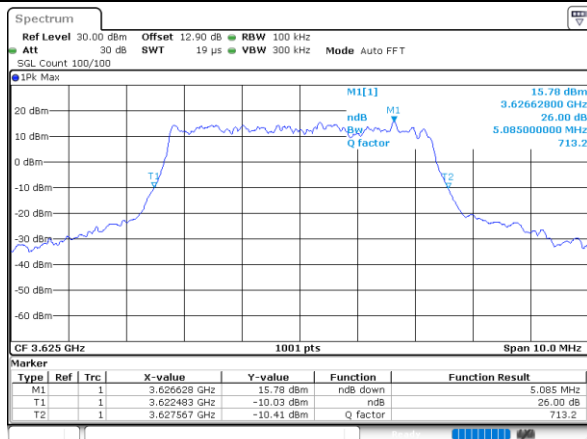
LTE Band 48_Other PA

26dB Bandwidth

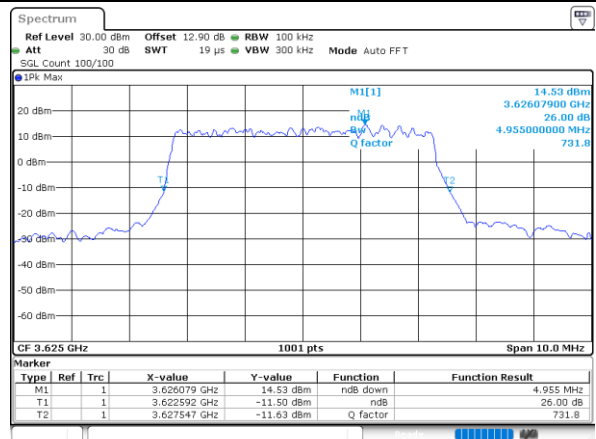
Mode	LTE Band 48 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.09	4.96	9.83	9.69	14.42	14.36	18.74	18.90

LTE Band 48

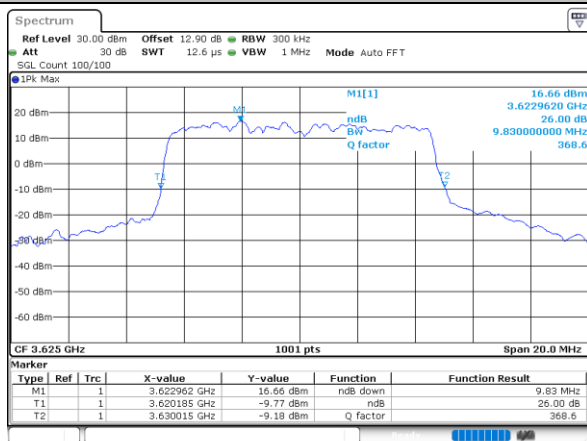
Middle Channel / 5MHz / QPSK



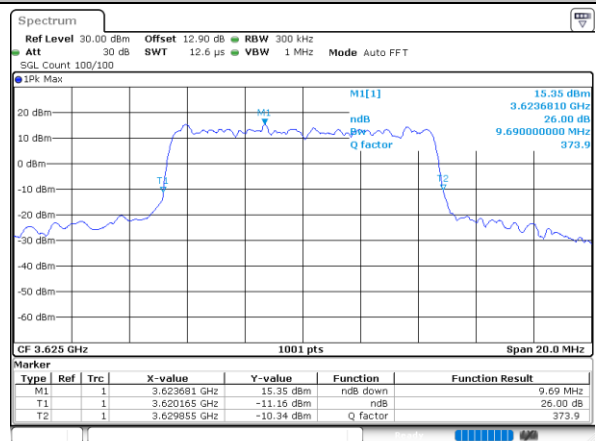
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

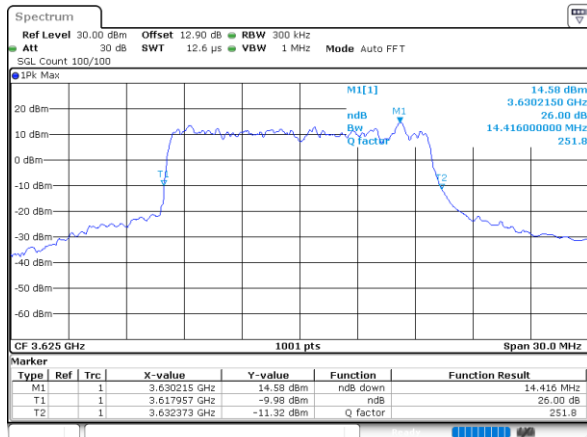


Middle Channel / 10MHz / 16QAM



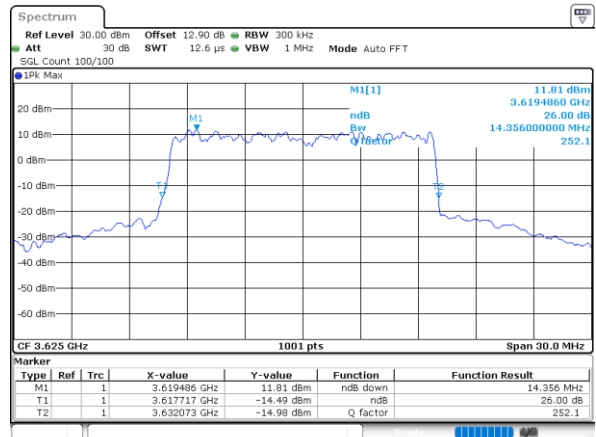


Middle Channel / 15MHz / QPSK



Date: 19_SEP.2023 19:39:00

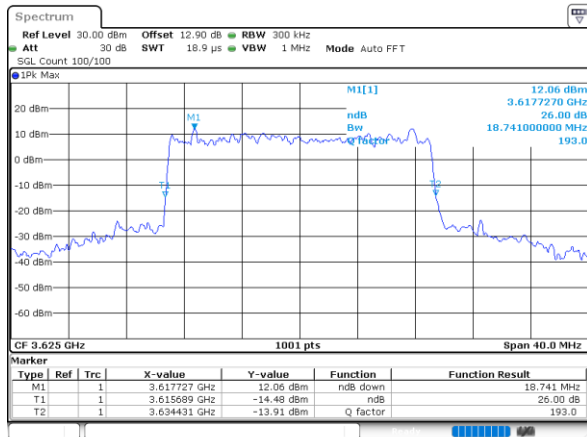
Middle Channel / 15MHz / 16QAM



Date: 19_SEP.2023 19:39:26

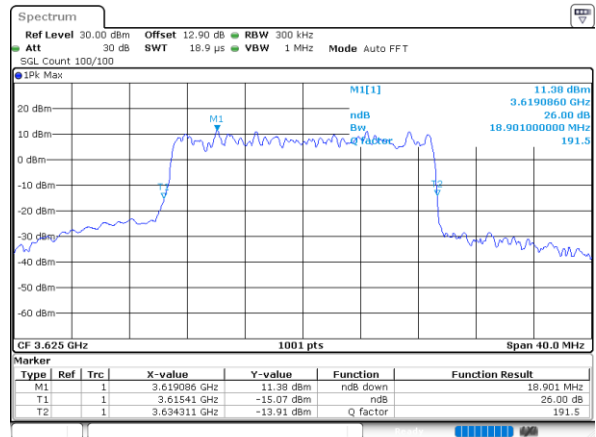
LTE Band 48

Middle Channel / 20MHz / QPSK



Date: 19_SEP.2023 20:06:10

Middle Channel / 20MHz / 16QAM



Date: 19_SEP.2023 20:05:45

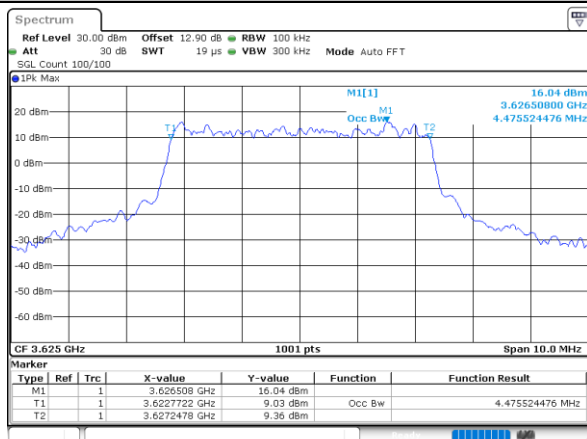


Occupied Bandwidth

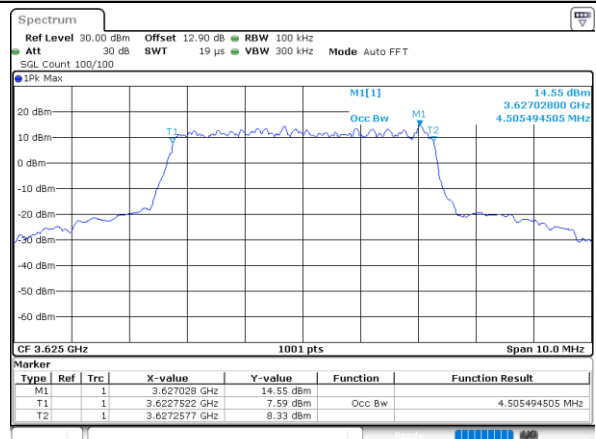
Mode	LTE Band 48 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.51	9.05	9.05	13.46	13.40	17.94	17.94

LTE Band 48

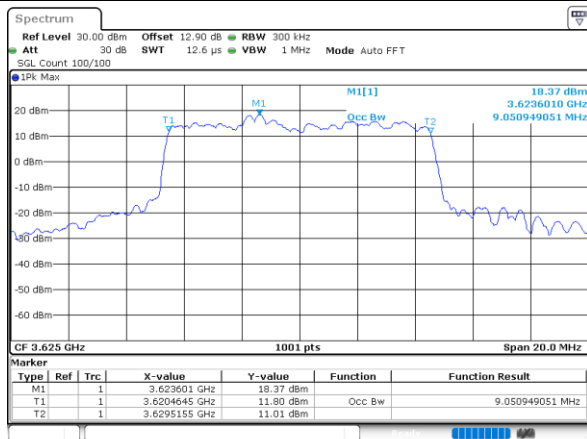
Middle Channel / 5MHz / QPSK



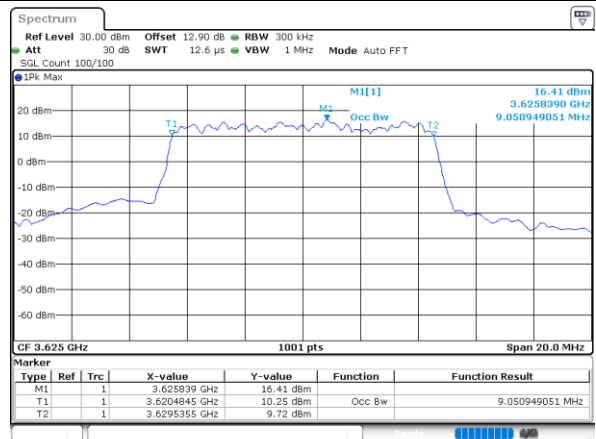
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

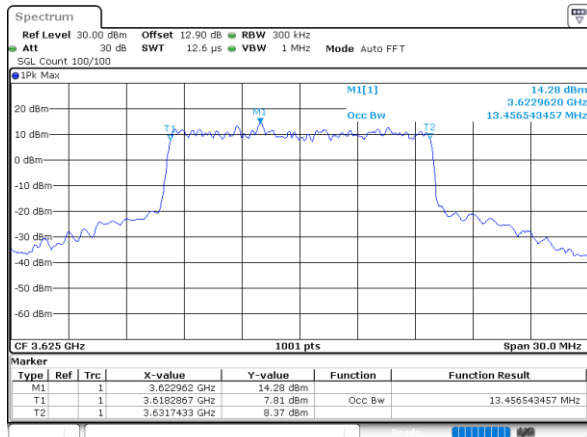


Middle Channel / 10MHz / 16QAM



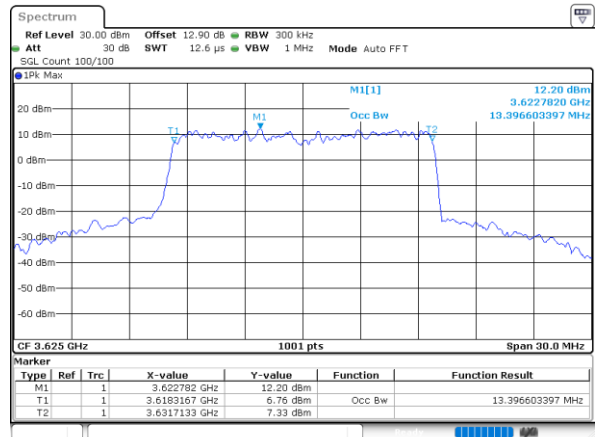


Middle Channel / 15MHz / QPSK



Date: 19_SEp.2023 19:38:46

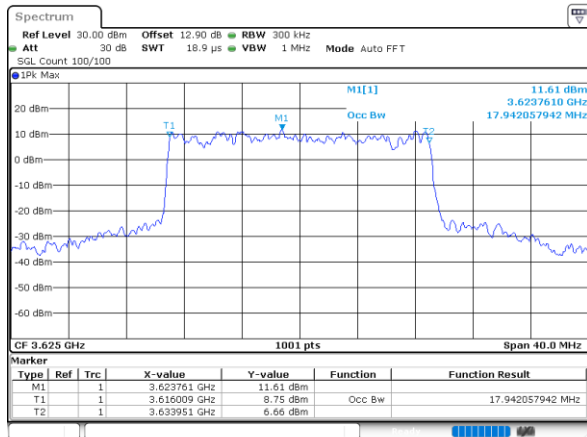
Middle Channel / 15MHz / 16QAM



Date: 19_SEp.2023 19:39:40

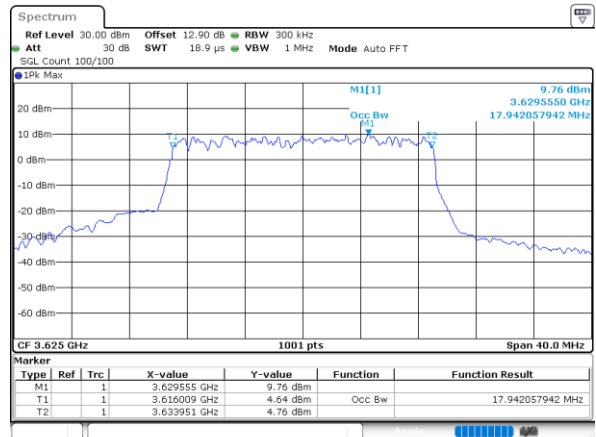
LTE Band 48

Middle Channel / 20MHz / QPSK



Date: 19_SEp.2023 20:06:25

Middle Channel / 20MHz / 16QAM



Date: 19_SEp.2023 20:05:31

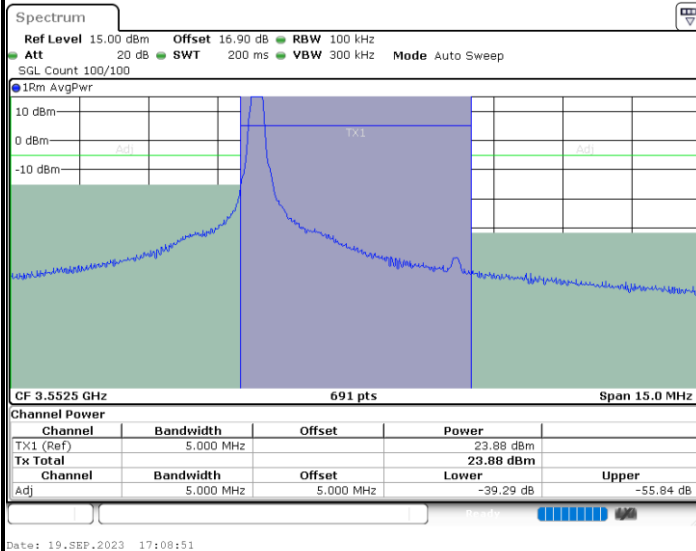


ACLR

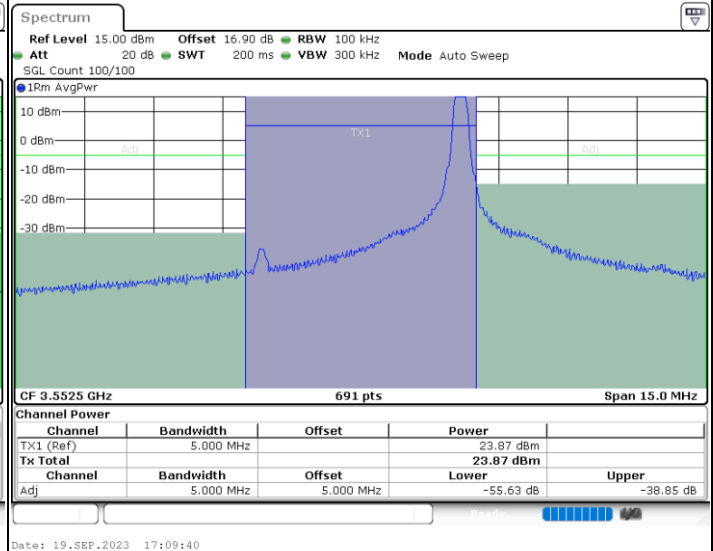
LTE Band 48 / 5MHz

QPSK

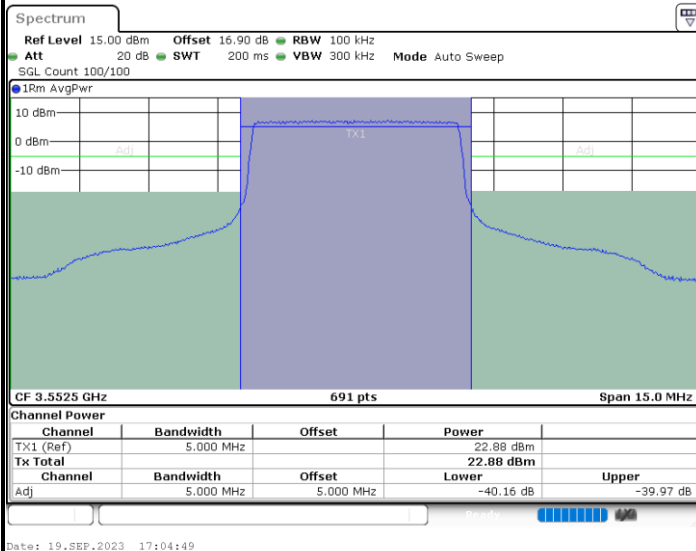
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



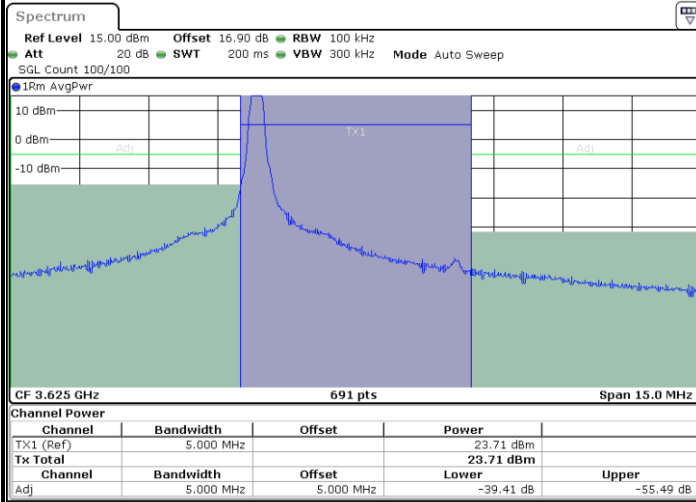
N/A



LTE Band 48 / 5MHz

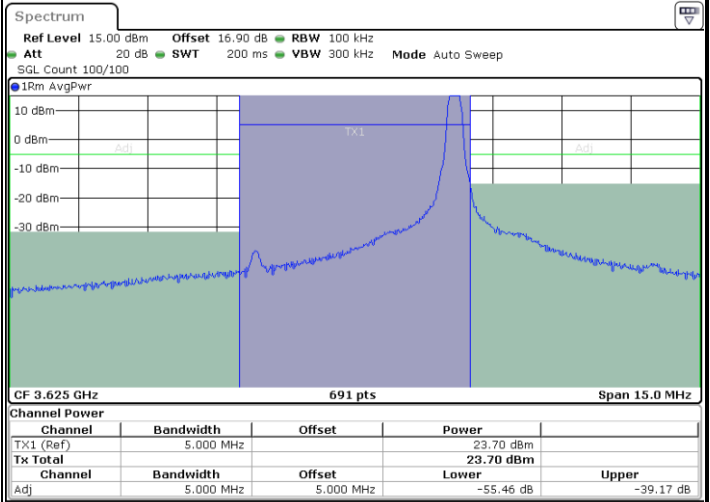
QPSK

Middle Channel / 1RB0



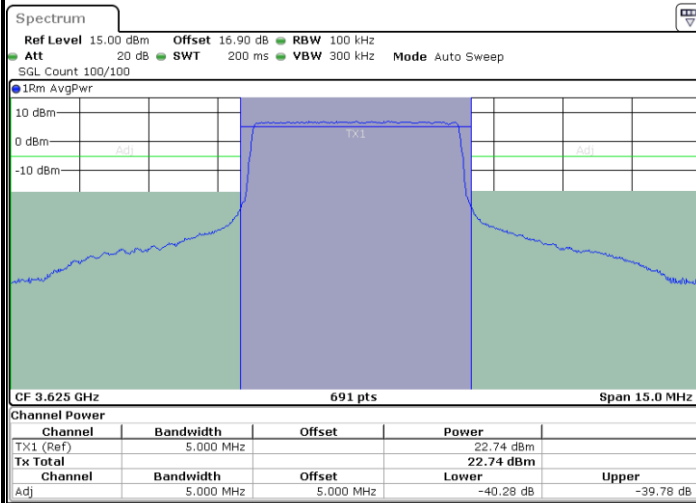
Date: 19.SEP.2023 17:28:13

Middle Channel / 1RBmax



Date: 19.SEP.2023 17:27:26

Middle Channel / FullRB



Date: 19.SEP.2023 17:32:10

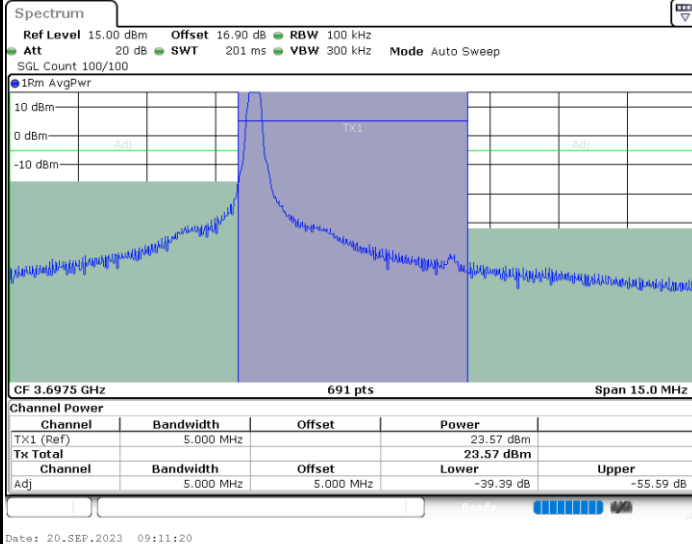
N/A



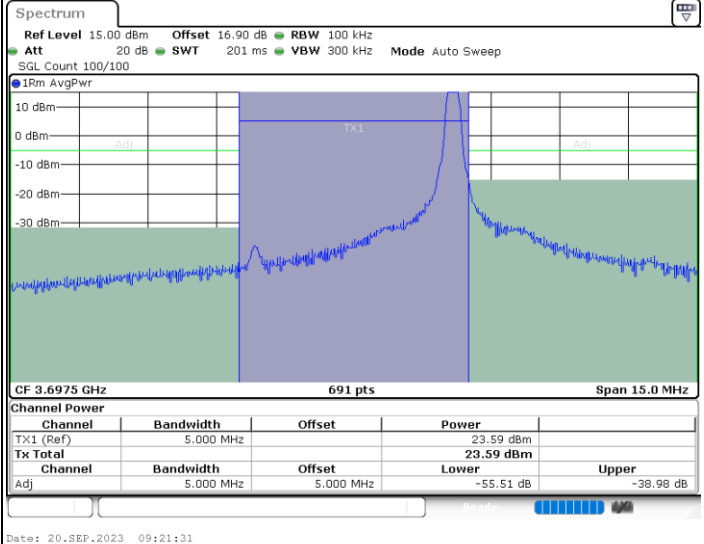
LTE Band 48 / 5MHz

QPSK

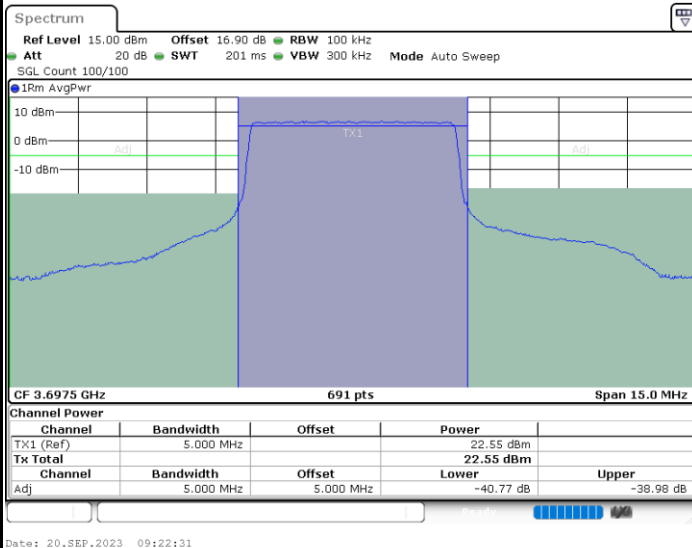
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB



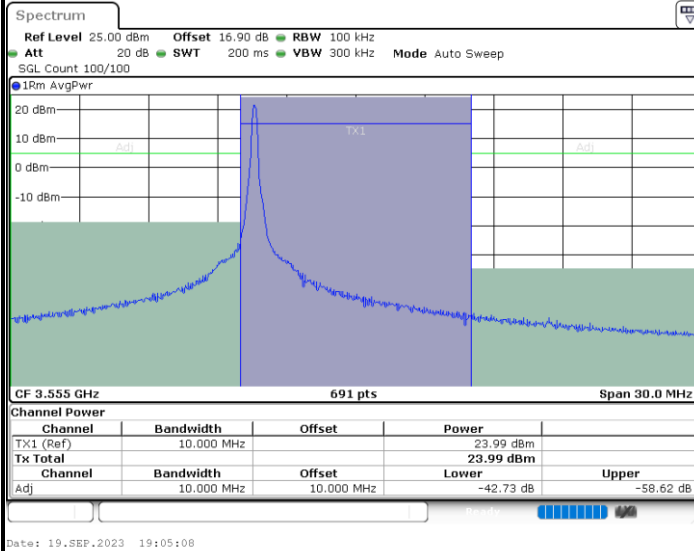
N/A



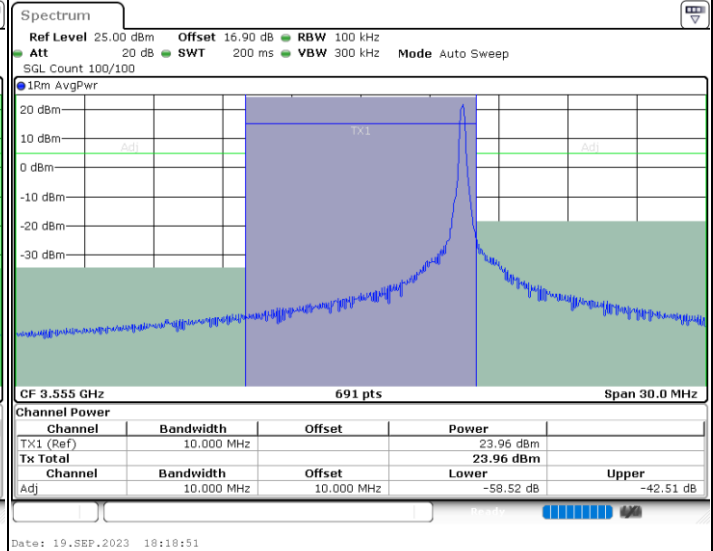
LTE Band 48 / 10MHz

QPSK

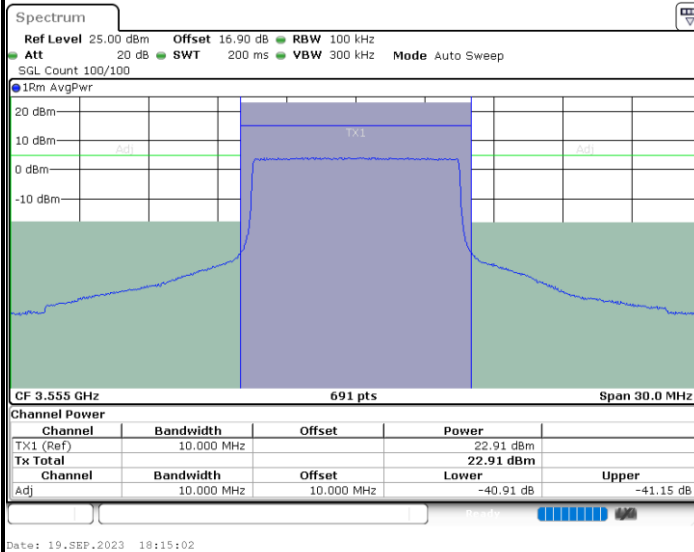
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



N/A