



LTE Band 48 / 20MHz

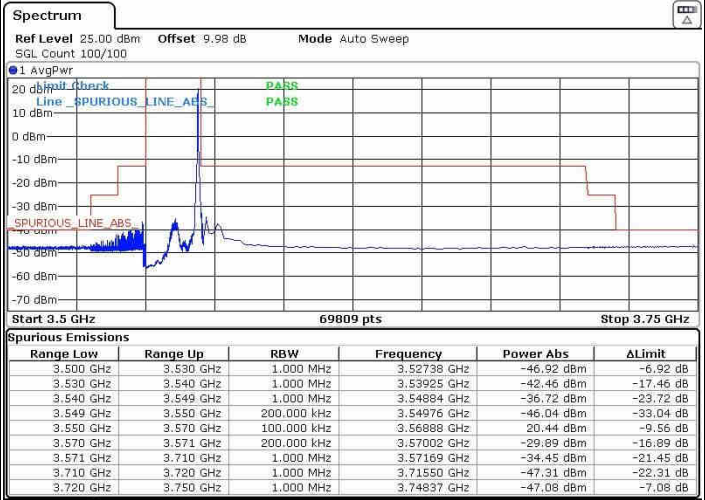
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



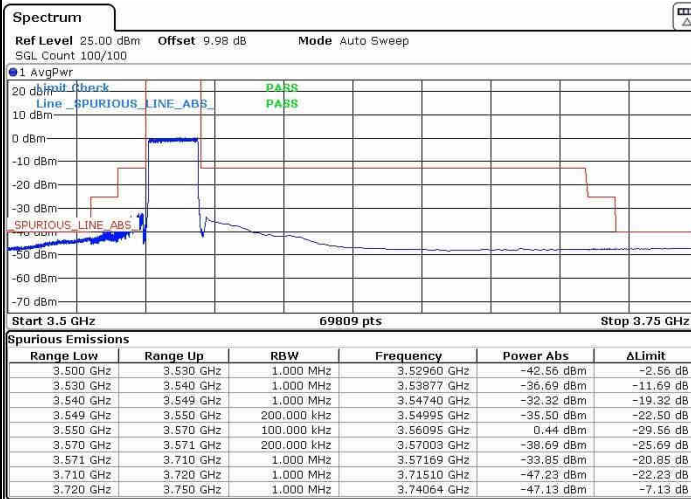
Date: 2.AUG.2020 23:16:17



Date: 2.AUG.2020 23:20:31

Lowest Channel / FullRB

N/A



Date: 2.AUG.2020 23:10:02

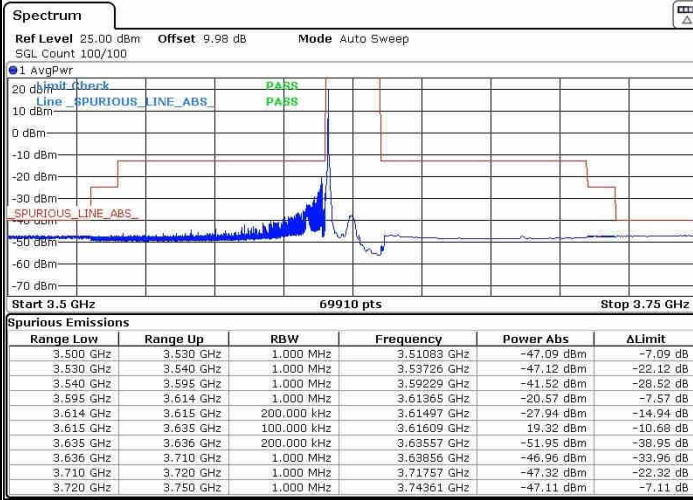


LTE Band 48 / 20MHz

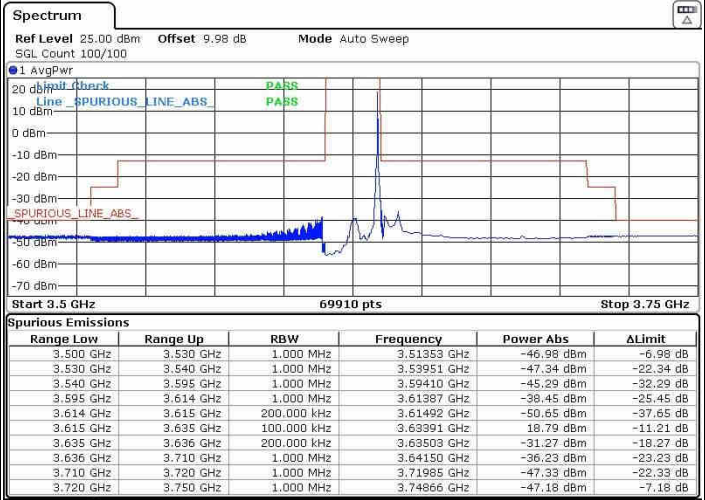
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



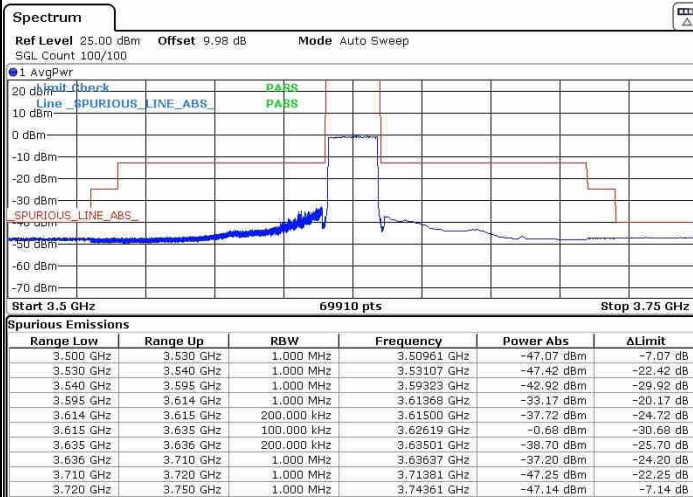
Date: 31.JUL.2020 19:23:17



Date: 31.JUL.2020 19:13:29

Middle Channel / FullIRB

N/A



Date: 31.JUL.2020 19:32:21

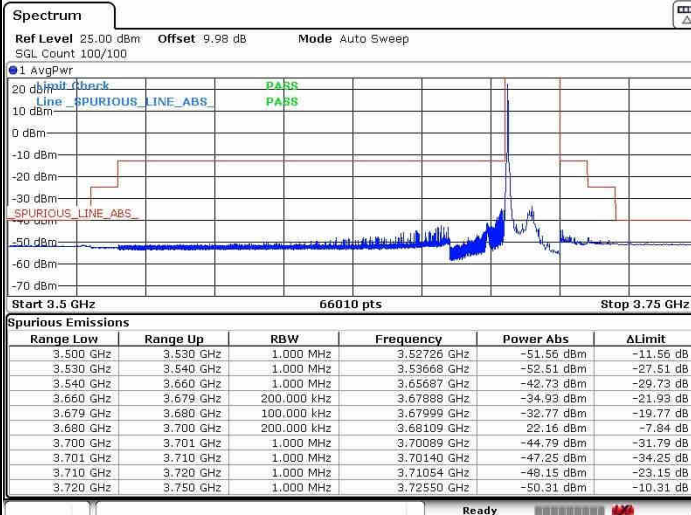


LTE Band 48 / 20MHz

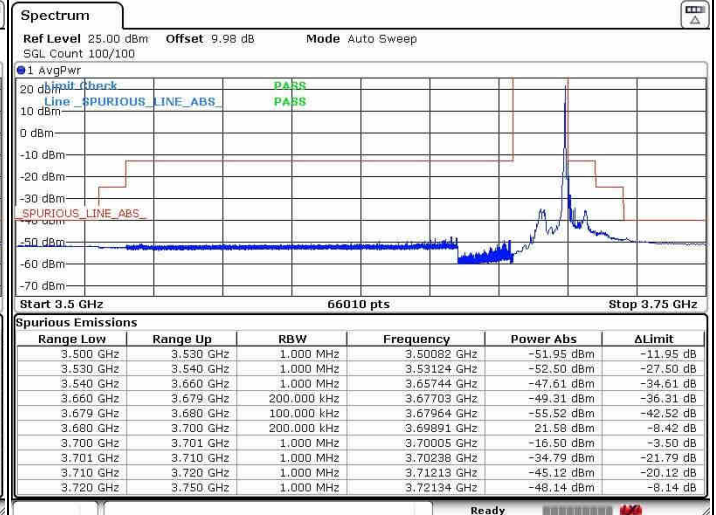
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



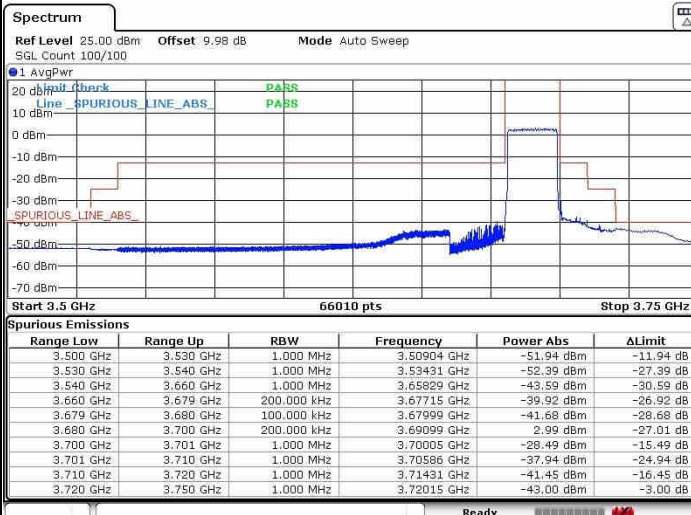
Date: 2.AUG.2020 23:38:42



Date: 2.AUG.2020 23:44:40

Highest Channel / FullIRB

N/A



Date: 2.AUG.2020 23:32:16

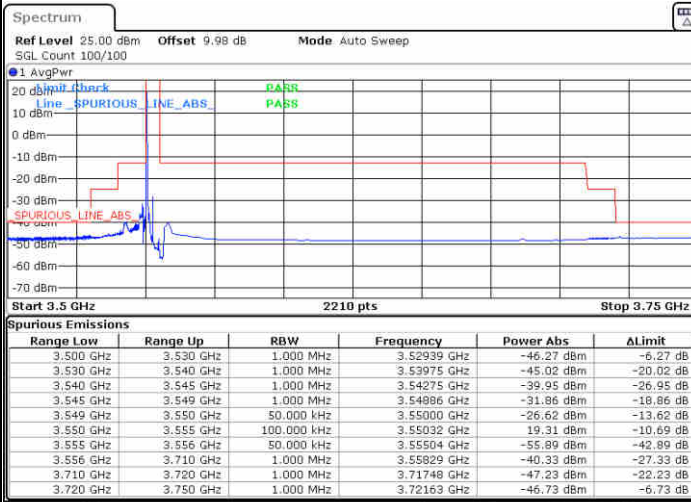


LTE Band 48 / 5MHz

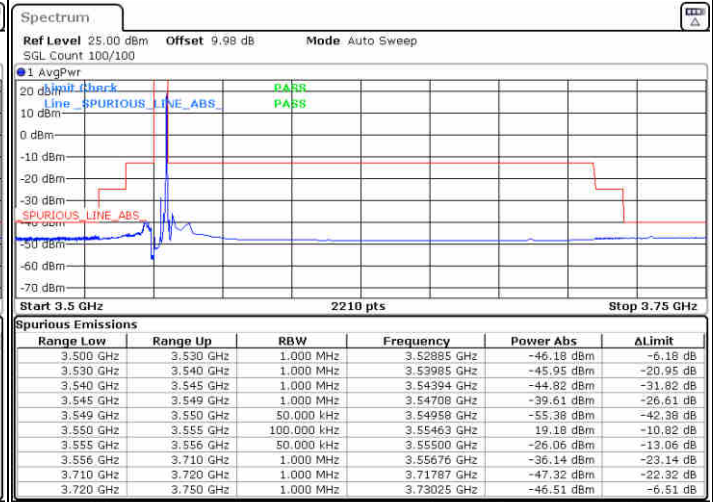
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



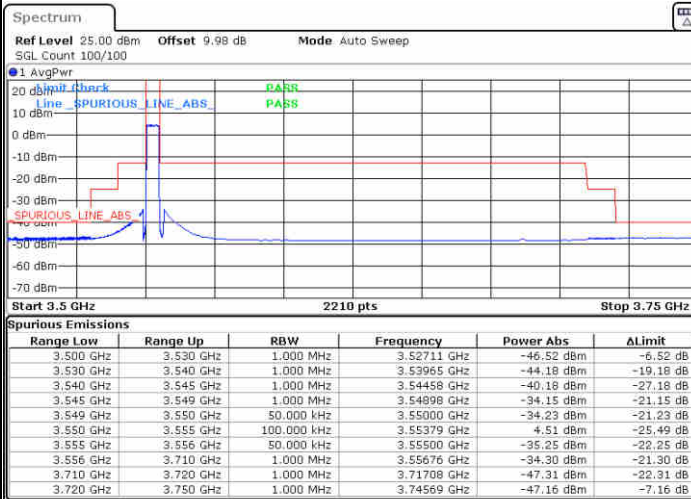
Date: 3.AUG.2020 03:43:22



Date: 3.AUG.2020 03:51:20

Lowest Channel / FullRB

N/A



Date: 3.AUG.2020 03:41:27

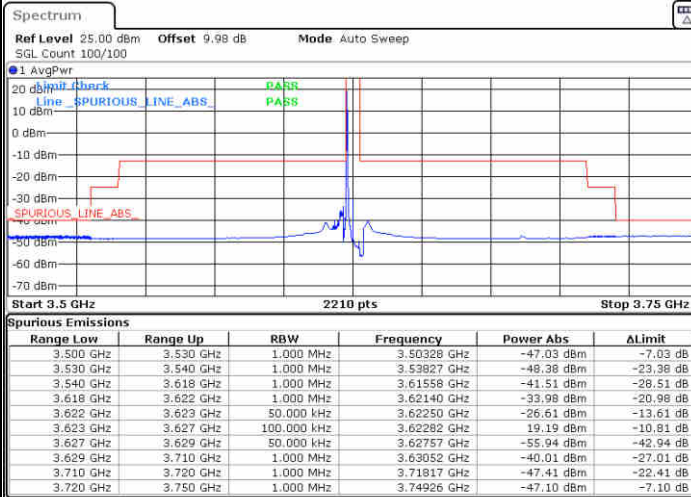


LTE Band 48 / 5MHz

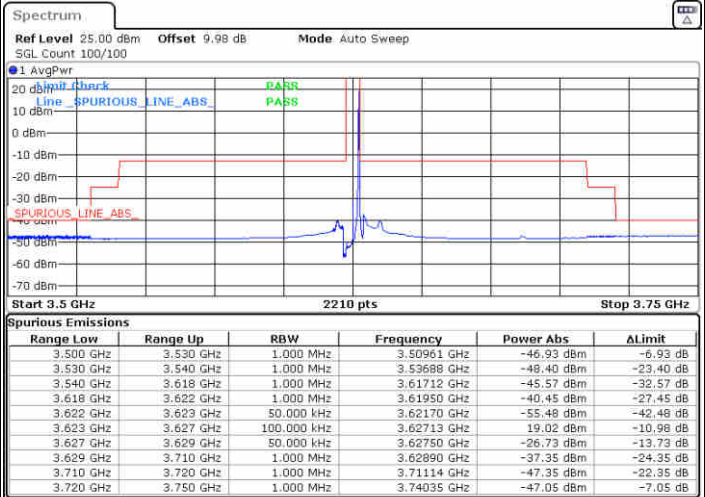
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



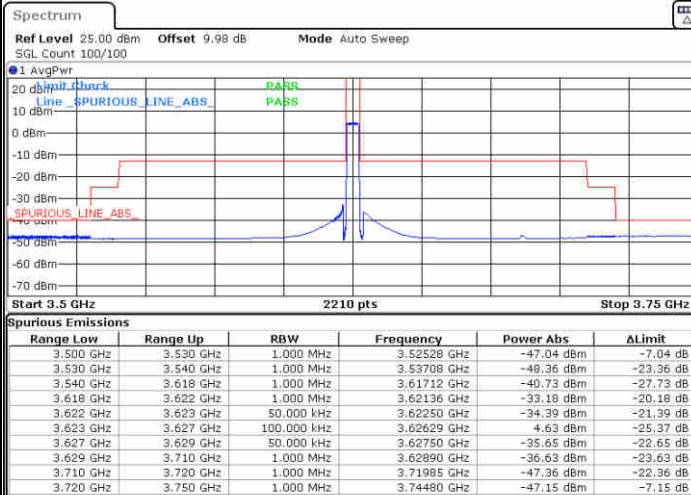
Date: 3.AUG.2020 02:56:12



Date: 3.AUG.2020 03:08:19

Middle Channel / FullIRB

N/A



Date: 3.AUG.2020 02:54:50

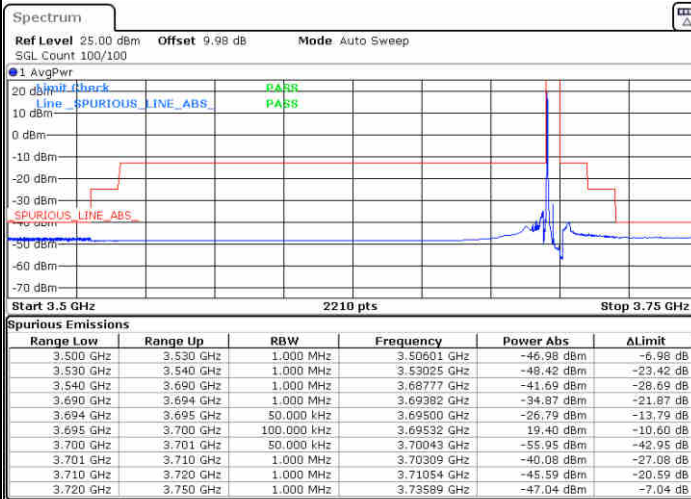


LTE Band 48 / 5MHz

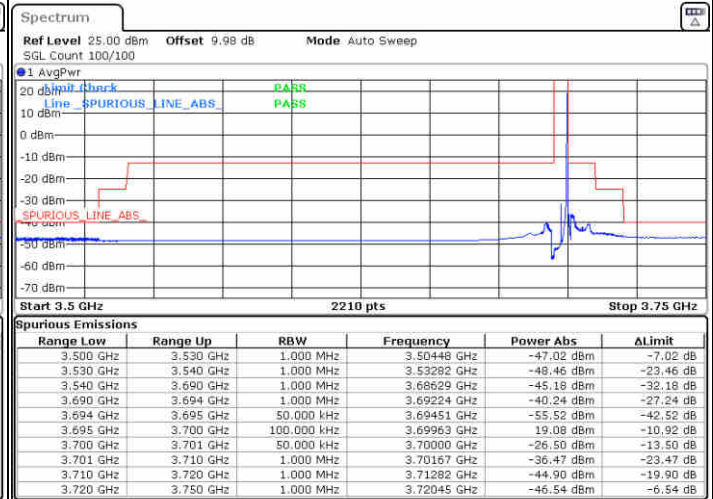
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



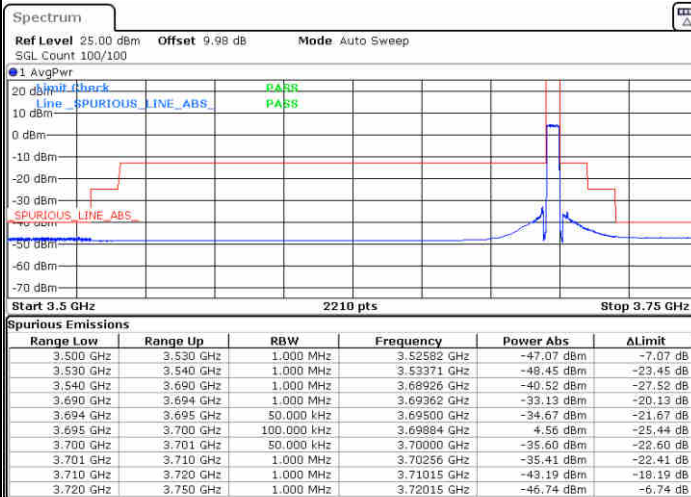
Date: 3.AUG.2020 03:20:28



Date: 3.AUG.2020 03:11:35

Highest Channel / FullIRB

N/A



Date: 3.AUG.2020 03:21:32

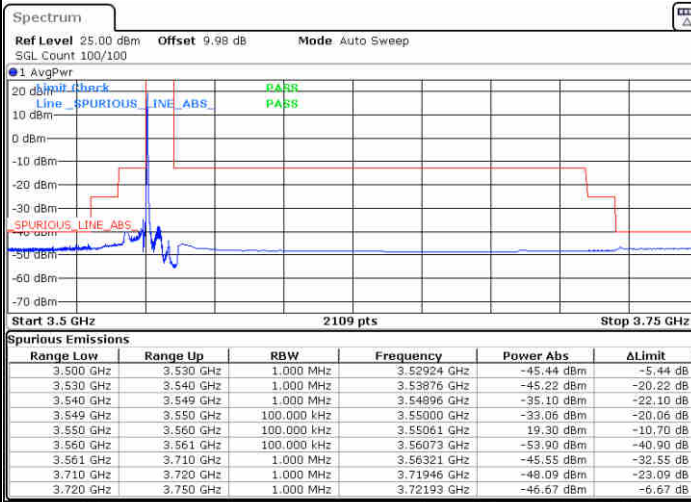


LTE Band 48 / 10MHz

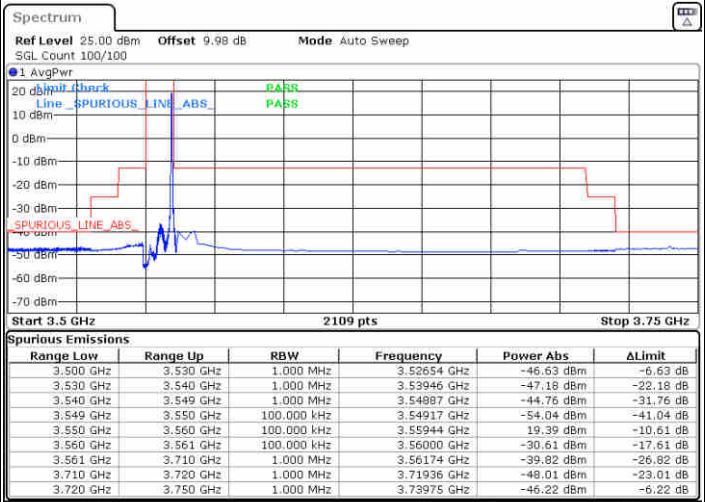
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



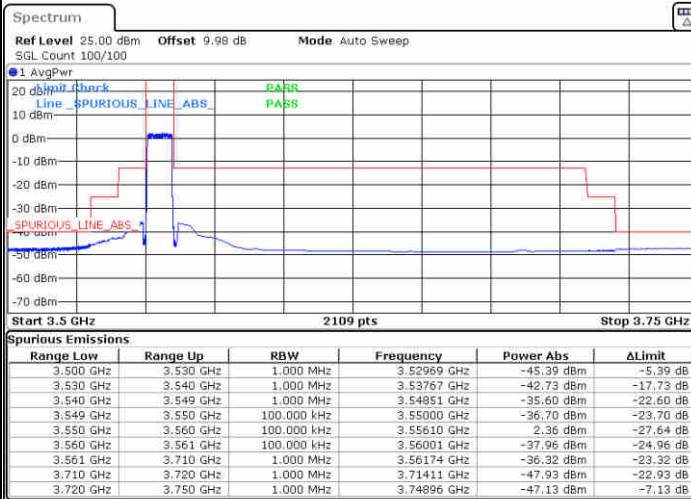
Date: 3.AUG.2020 02:39:56



Date: 3.AUG.2020 02:47:18

Lowest Channel / FullRB

N/A



Date: 3.AUG.2020 02:36:05

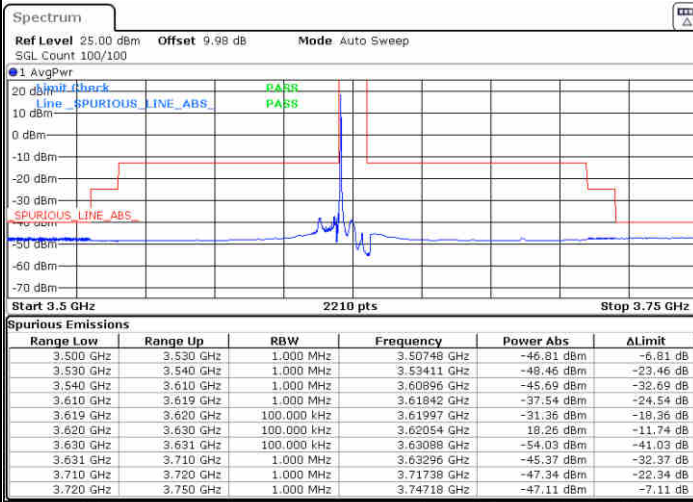


LTE Band 48 / 10MHz

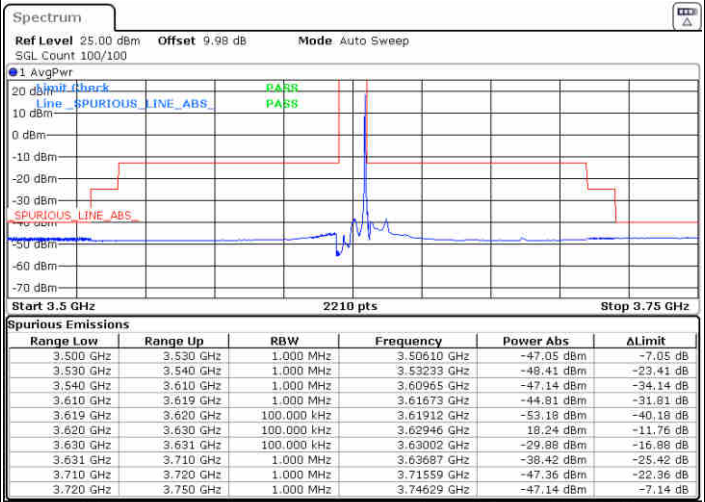
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



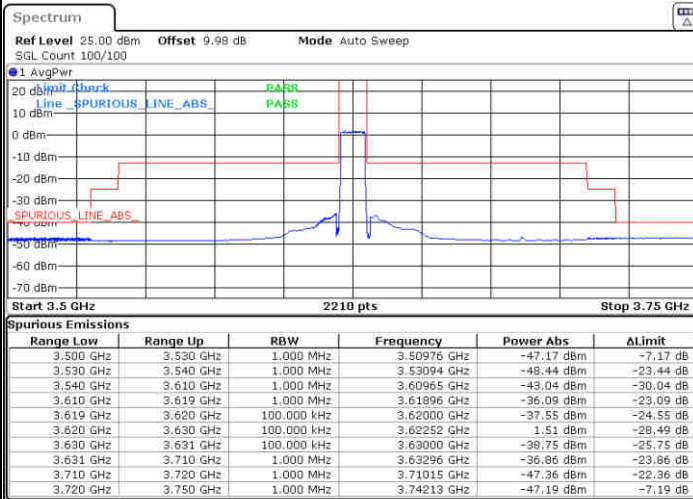
Date: 3.AUG.2020 02:05:59



Date: 3.AUG.2020 02:14:40

Middle Channel / FullIRB

N/A



Date: 3.AUG.2020 02:03:51

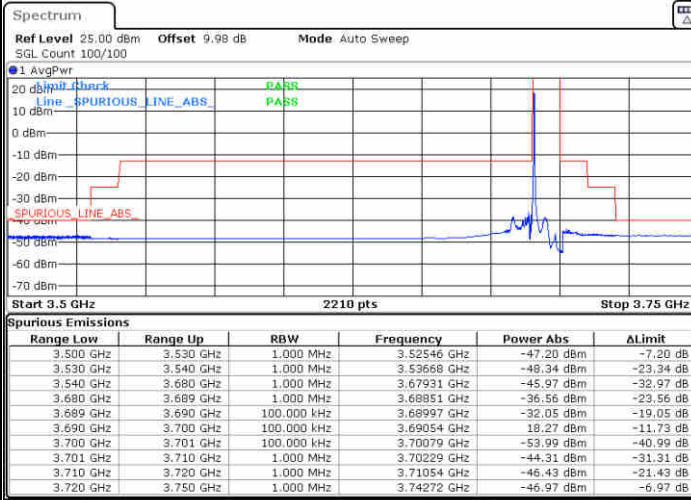


LTE Band 48 / 10MHz

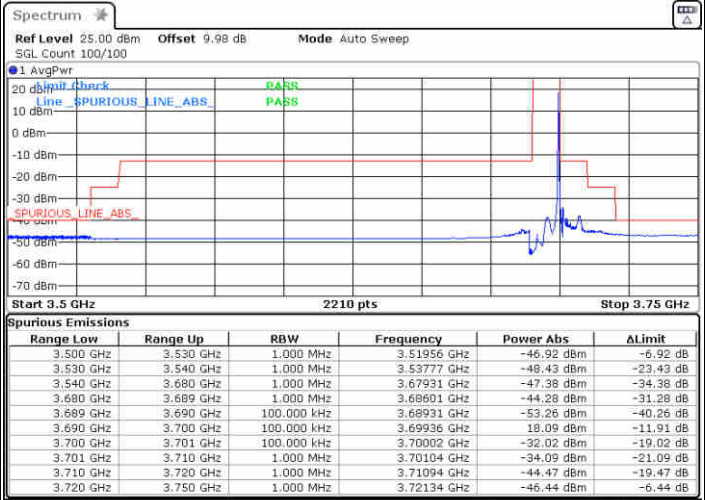
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



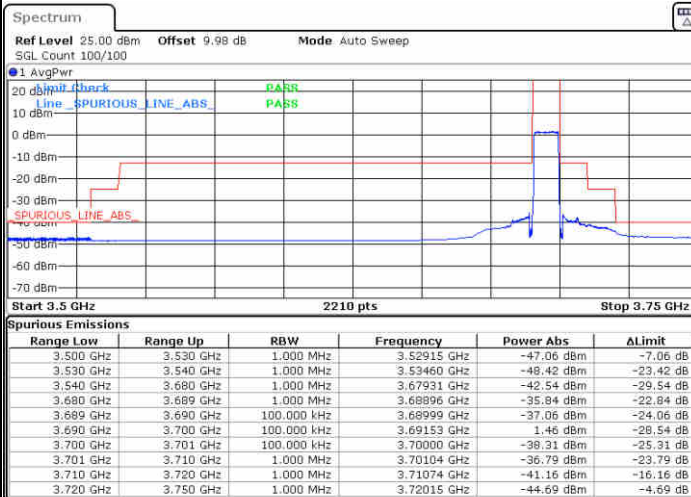
Date: 3.AUG.2020 02:25:19



Date: 3.AUG.2020 02:17:23

Highest Channel / FullIRB

N/A



Date: 3.AUG.2020 02:26:47



LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Date: 31.JUL.2020 20:26:59



Date: 31.JUL.2020 20:14:40

Lowest Channel / FullRB

N/A



Date: 31.JUL.2020 20:30:23

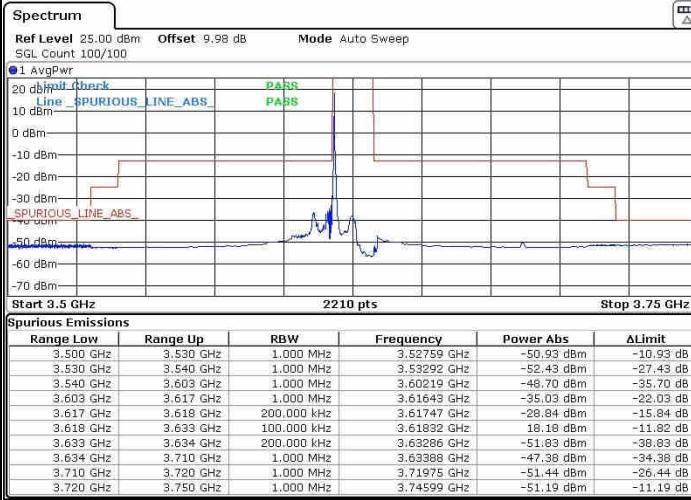


LTE Band 48 / 15MHz

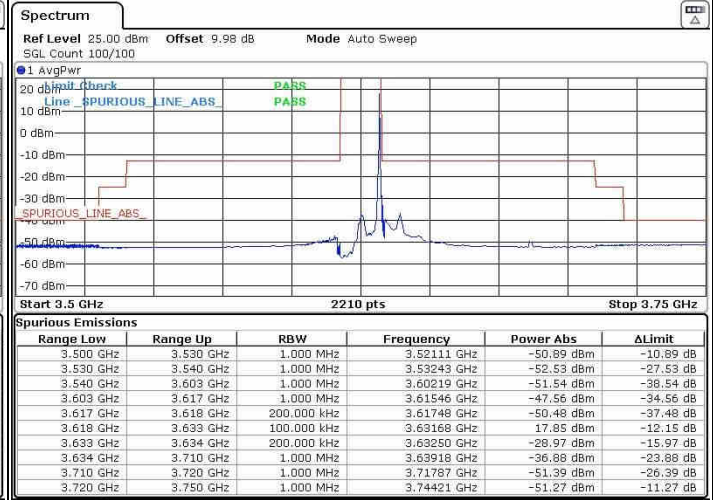
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



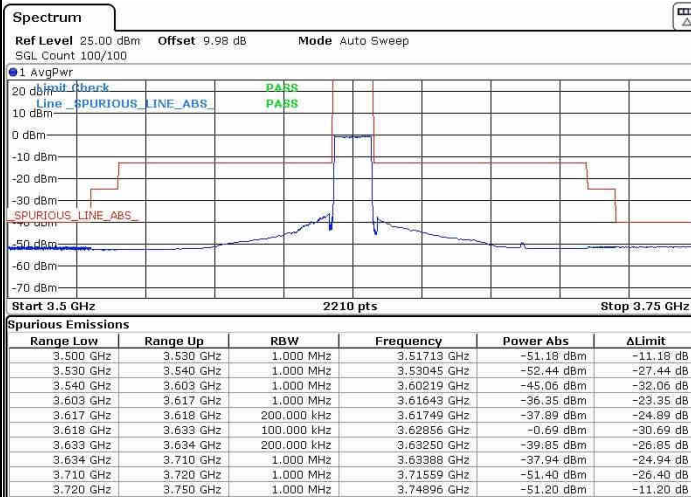
Date: 31.JUL.2020 19:44:43



Date: 31.JUL.2020 19:53:08

Middle Channel / FullRB

N/A



Date: 31.JUL.2020 19:43:57

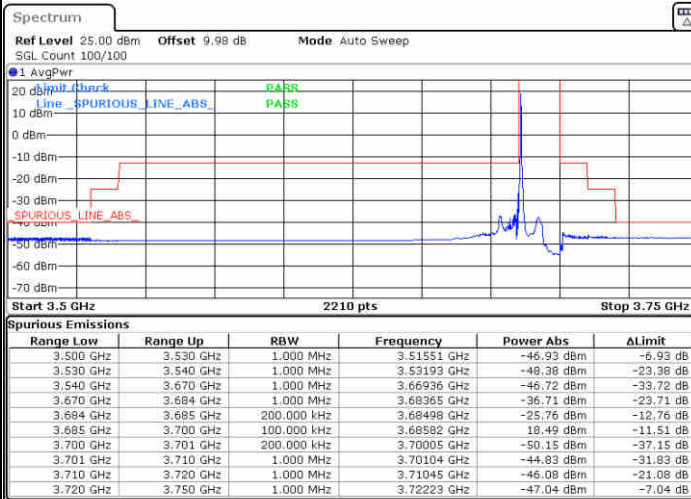


LTE Band 48 / 15MHz

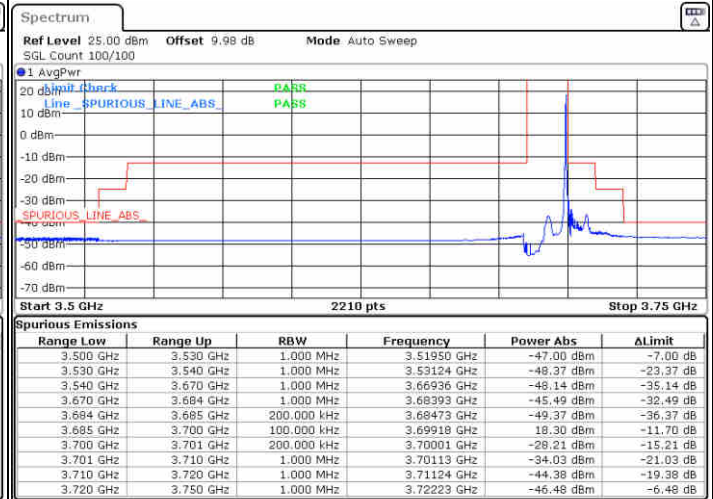
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



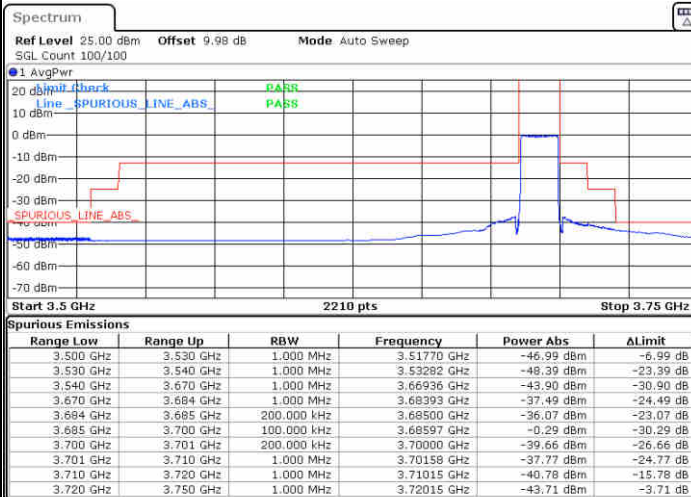
Date: 3.AUG.2020 01:18:59



Date: 3.AUG.2020 01:16:51

Highest Channel / FullIRB

N/A



Date: 3.AUG.2020 01:28:45



LTE Band 48 / 20MHz

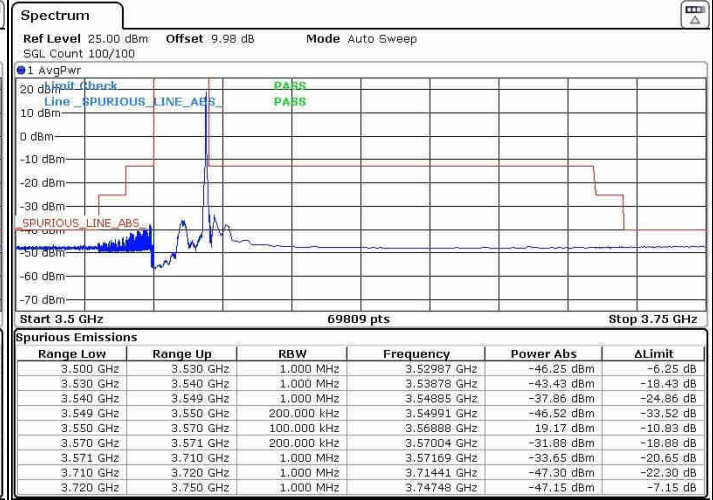
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



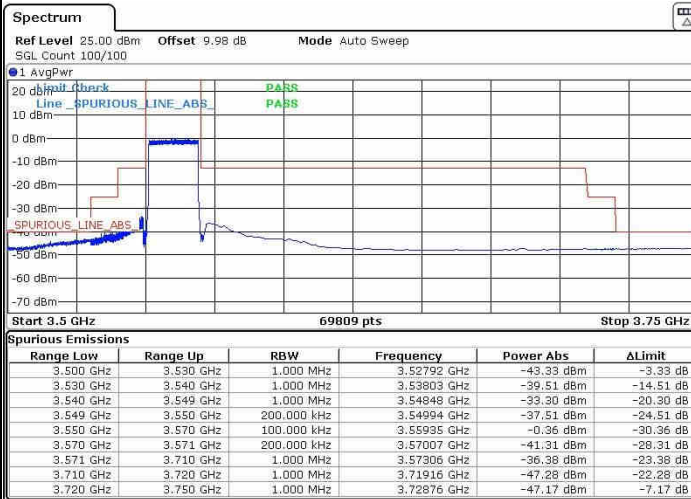
Date: 2.AUG.2020 23:14:59



Date: 2.AUG.2020 23:22:13

Lowest Channel / FullRB

N/A



Date: 2.AUG.2020 23:13:19

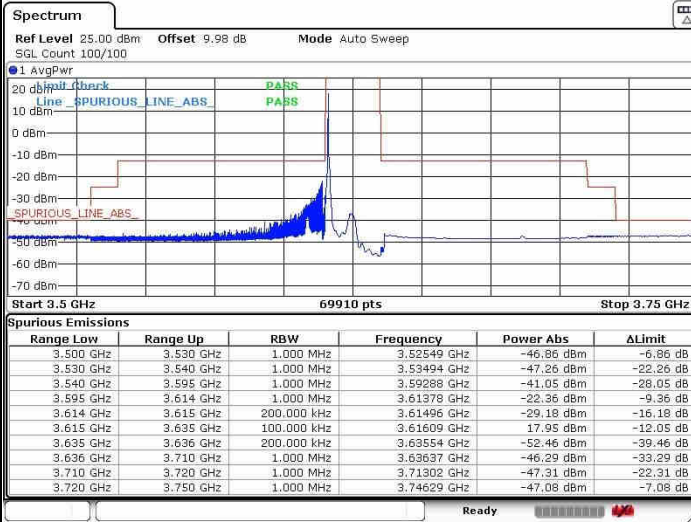


LTE Band 48 / 20MHz

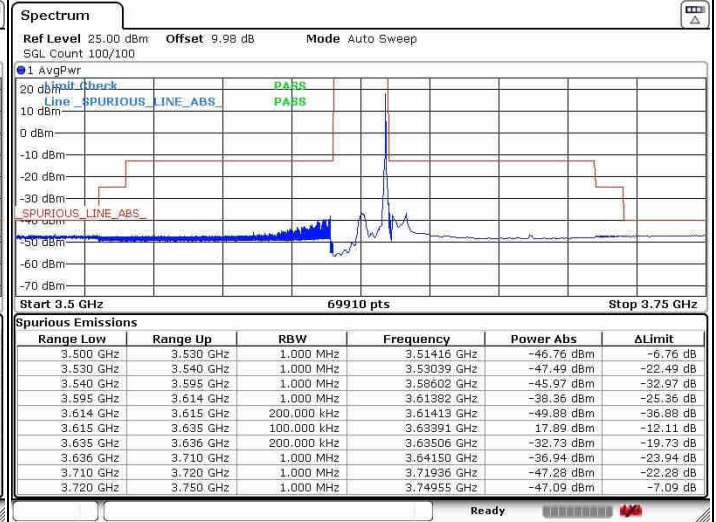
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



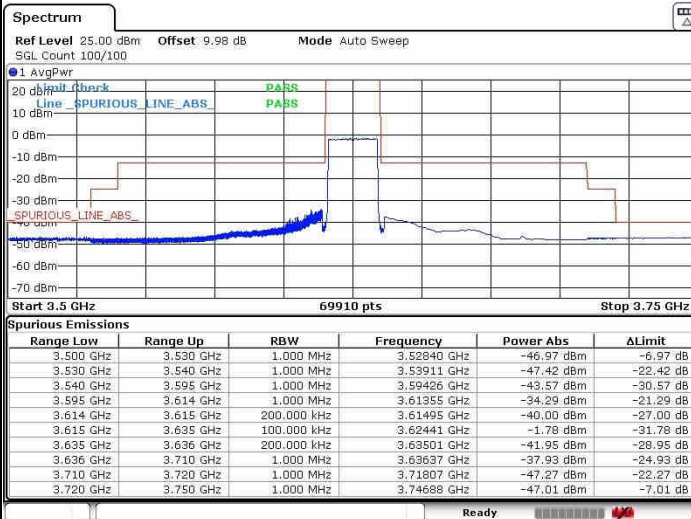
Date: 31.JUL.2020 19:25:02



Date: 31.JUL.2020 19:10:49

Middle Channel / FullRB

N/A



Date: 31.JUL.2020 19:26:55

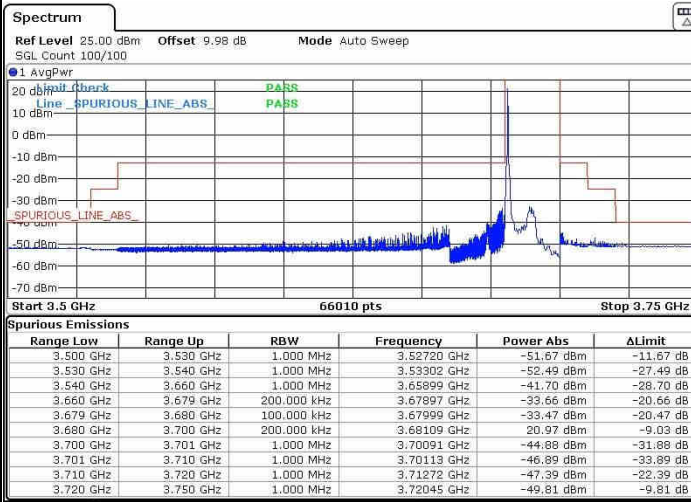


LTE Band 48 / 20MHz

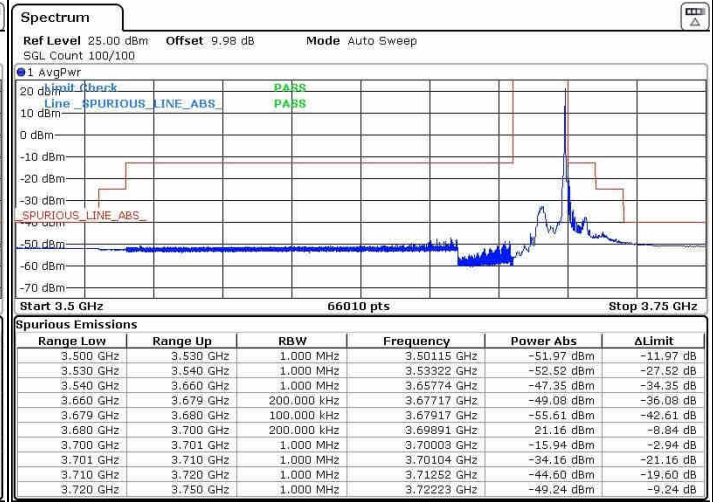
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



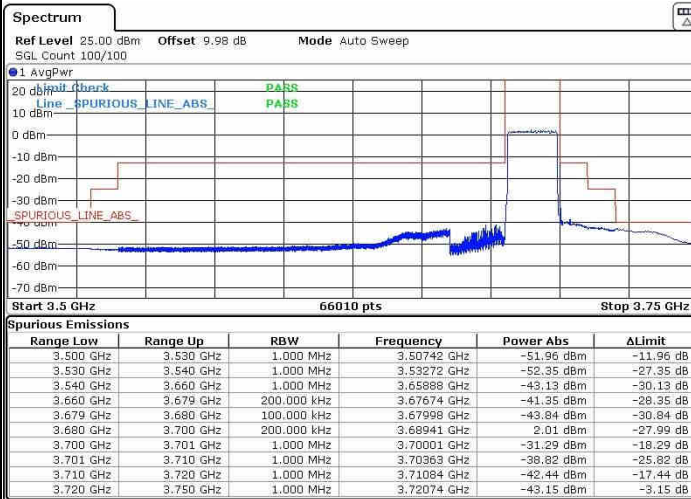
Date: 2.AUG.2020 23:37:18



Date: 2.AUG.2020 23:45:36

Highest Channel / FullIRB

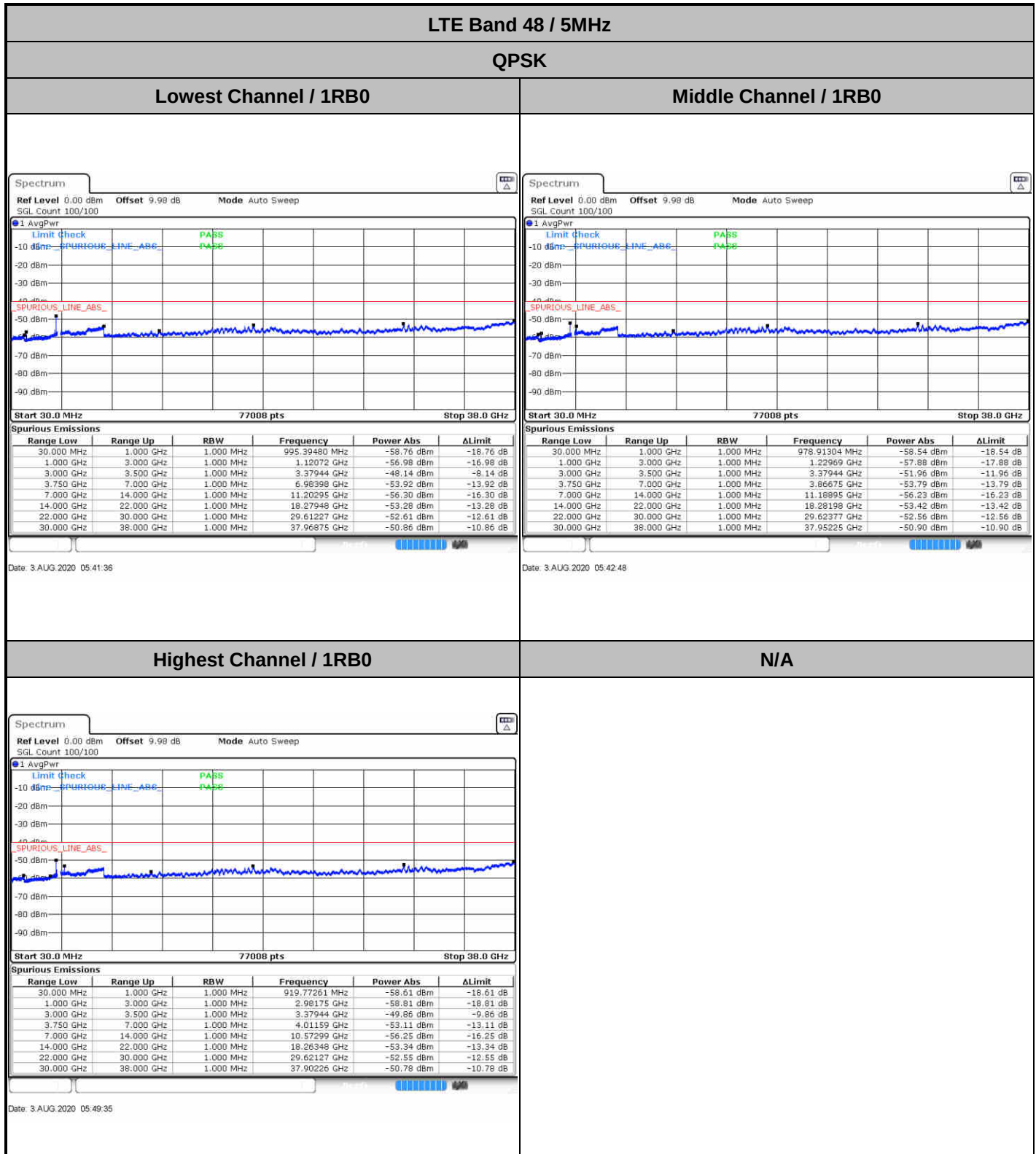
N/A



Date: 2.AUG.2020 23:39:00



Conducted Spurious Emission



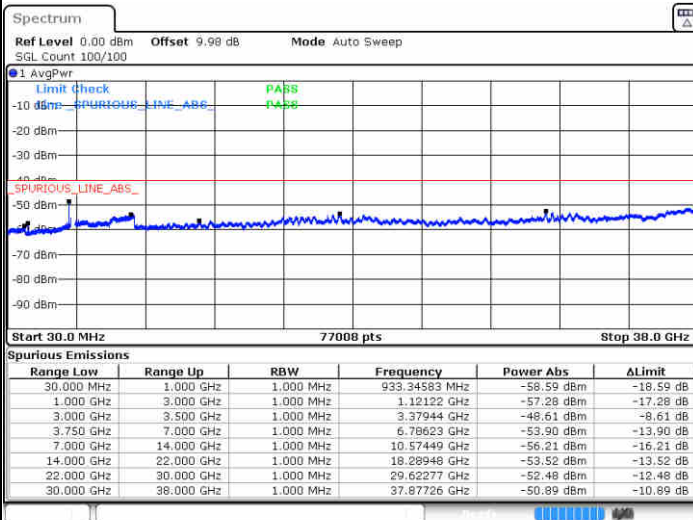


LTE Band 48 / 10MHz

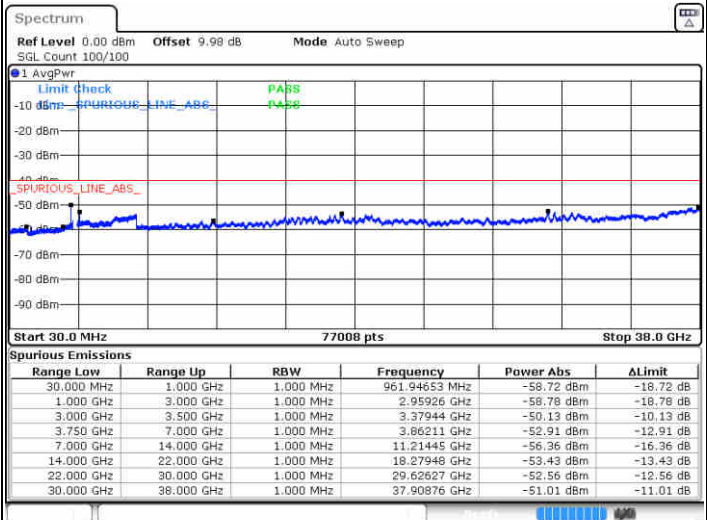
QPSK

Lowest Channel / 1RB0

MiddleChannel / 1RB0



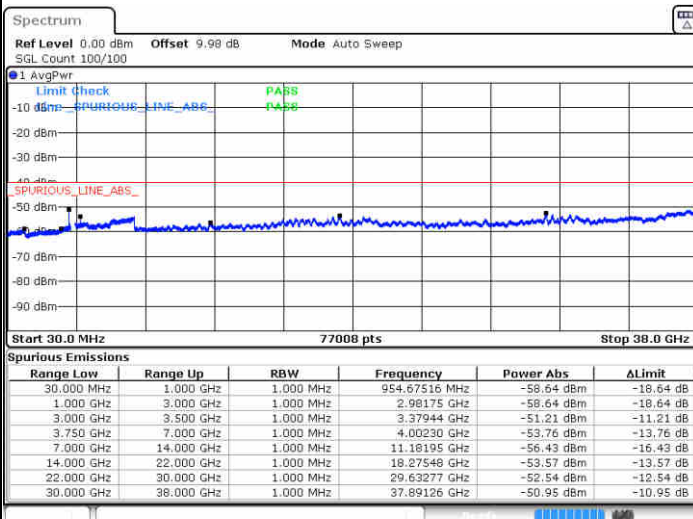
Date: 3 AUG. 2020 05:57:43



Date: 3 AUG. 2020 05:51:44

Highest Channel / 1RB0

N/A



Date: 3 AUG. 2020 05:59:18

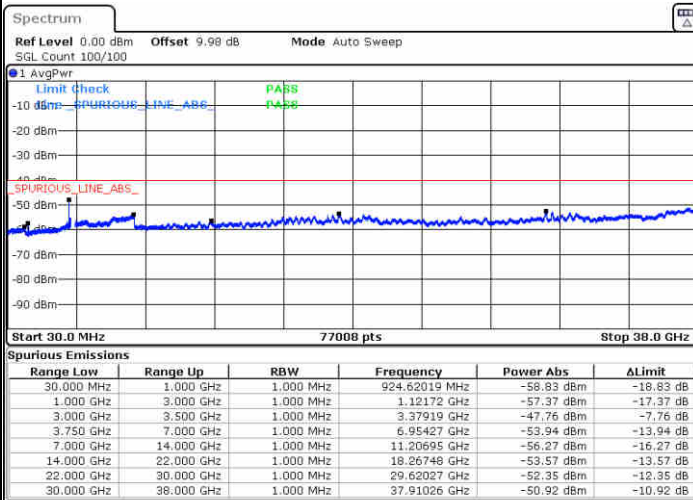


LTE Band 48 / 15MHz

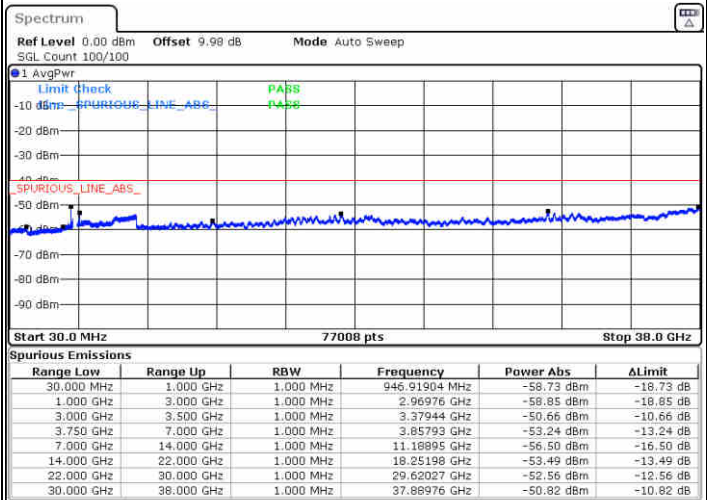
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



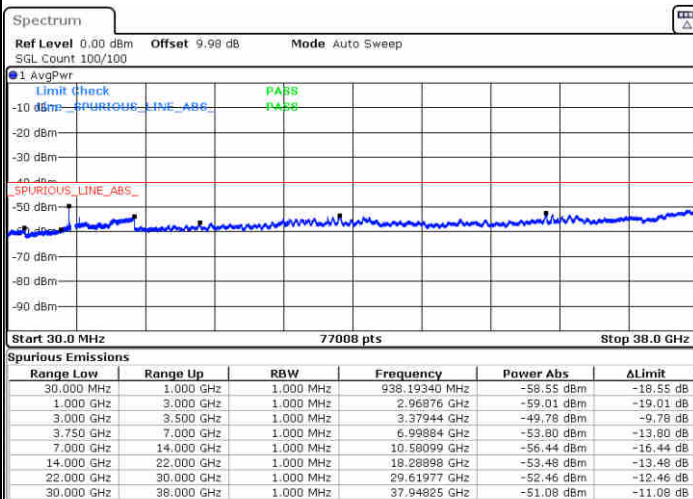
Date: 3 AUG 2020 06:06:23



Date: 3 AUG 2020 06:05:17

Highest Channel / 1RB0

N/A



Date: 3 AUG 2020 06:12:37

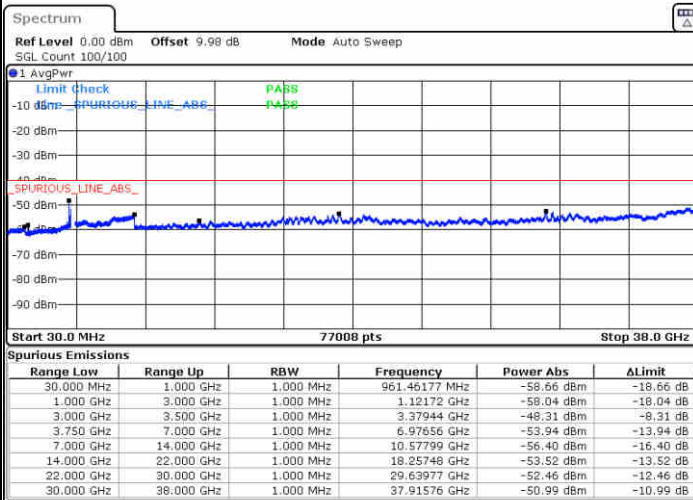


LTE Band 48 / 20MHz

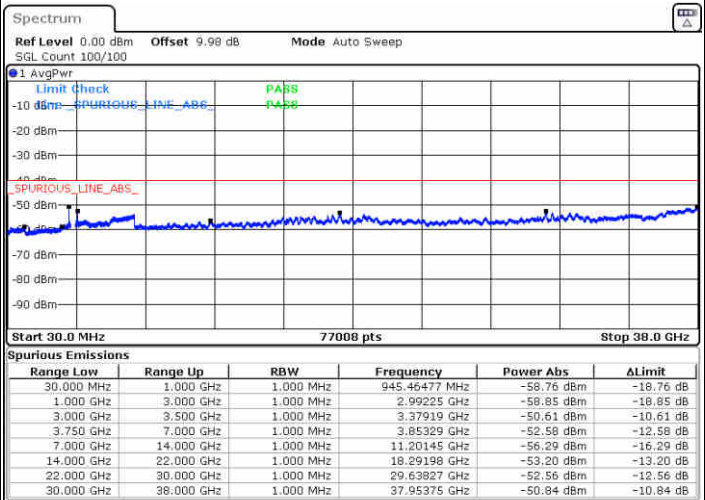
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



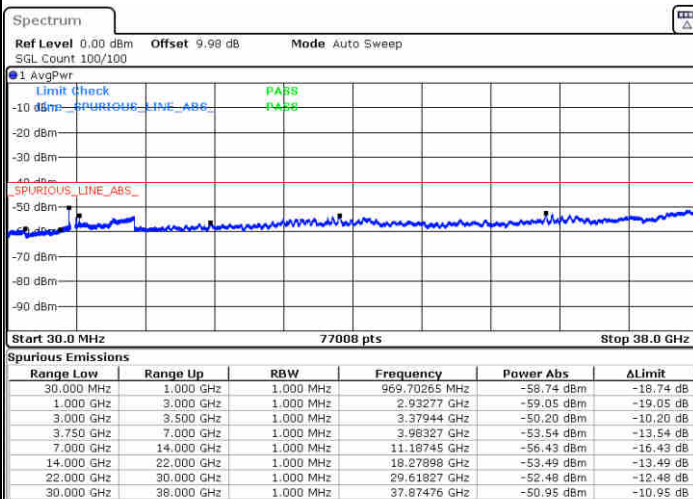
Date: 3 AUG 2020 06:20:19



Date: 3 AUG 2020 06:13:59

Highest Channel / 1RB0

N/A



Date: 3 AUG 2020 06:21:32

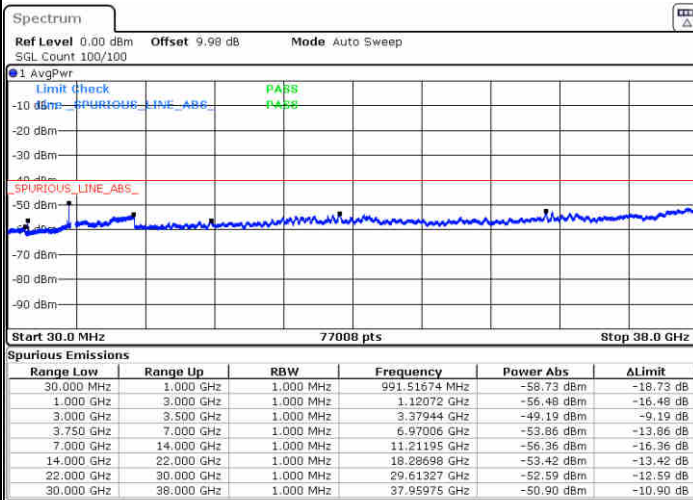


LTE Band 48 / 5MHz

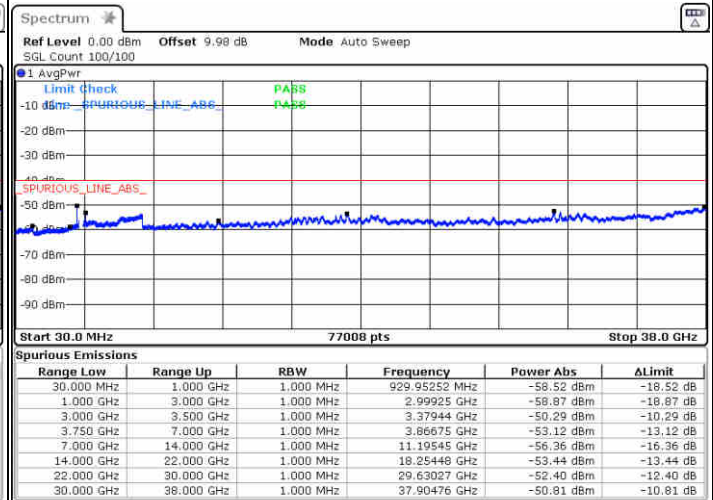
16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



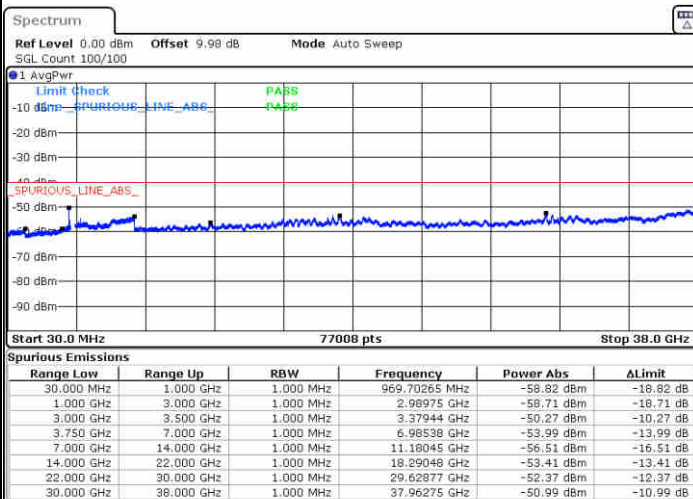
Date: 3 AUG 2020 05:40:33



Date: 3 AUG 2020 05:44:13

Highest Channel / 1RB0

N/A



Date: 3 AUG 2020 05:48:25

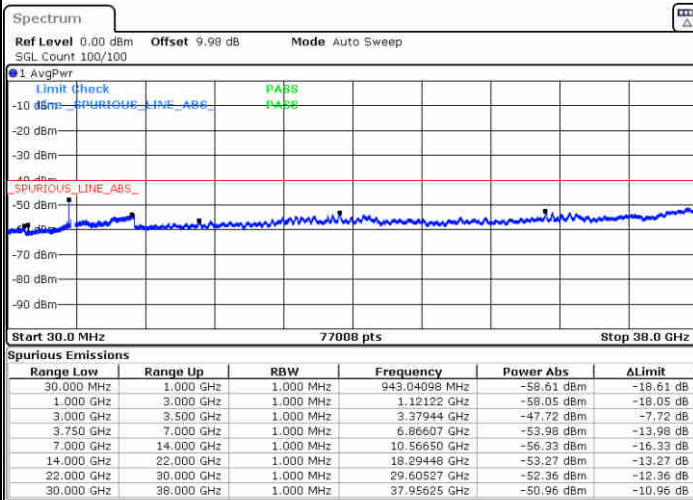


LTE Band 48 / 10MHz

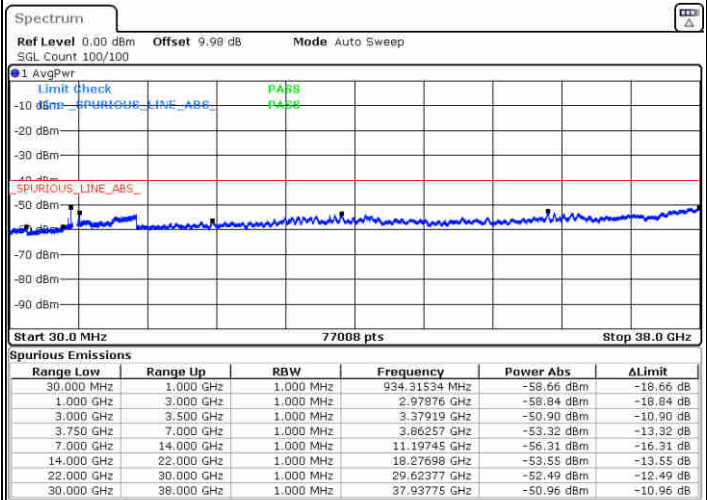
16QAM

Lowest Channel / 1RB0

MiddleChannel / 1RB0



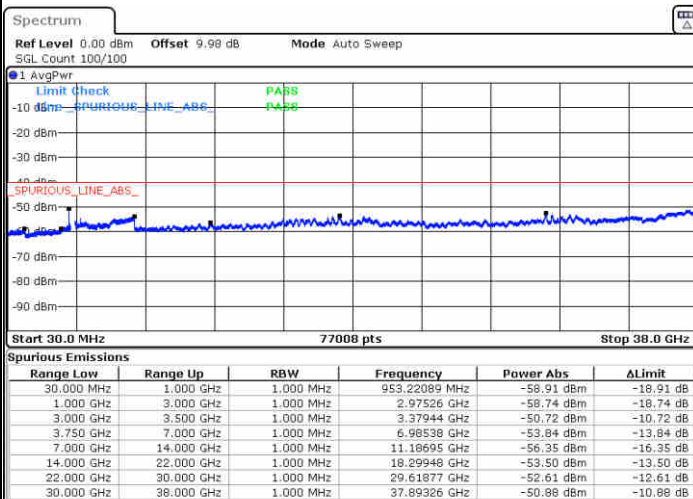
Date: 3 AUG. 2020 05:56:28



Date: 3 AUG. 2020 05:52:44

Highest Channel / 1RB0

N/A



Date: 3 AUG. 2020 06:00:28

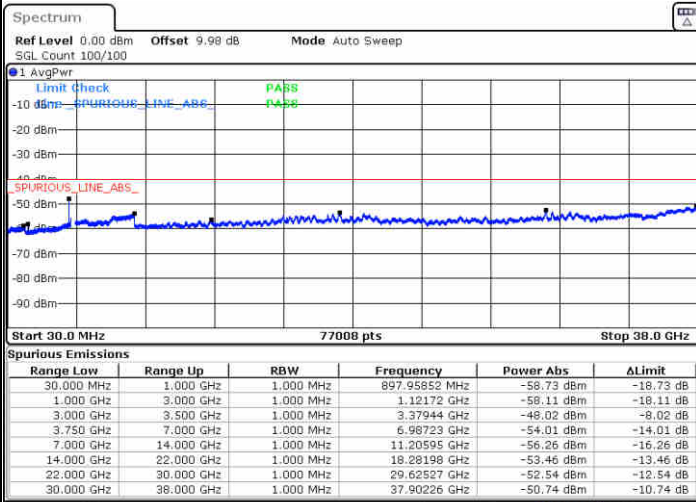


LTE Band 48 / 15MHz

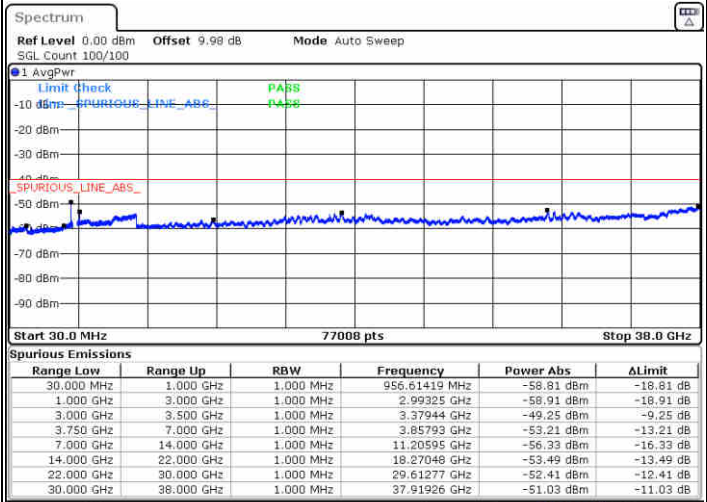
16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



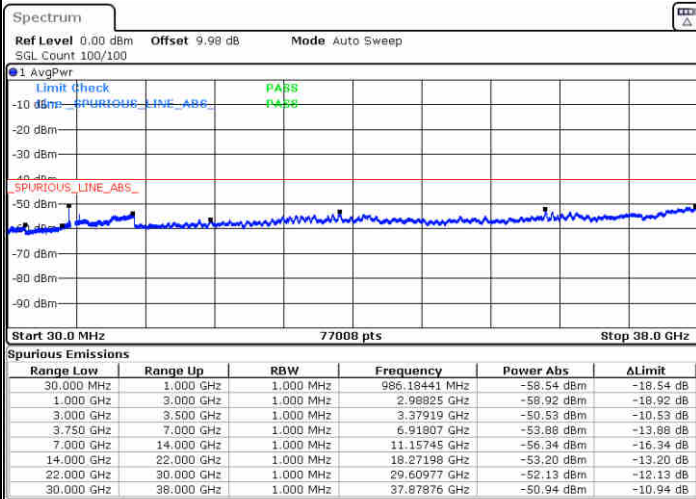
Date: 3 AUG.2020 06:07:52



Date: 3 AUG.2020 06:04:14

Highest Channel / 1RB0

N/A



Date: 3 AUG.2020 06:11:25

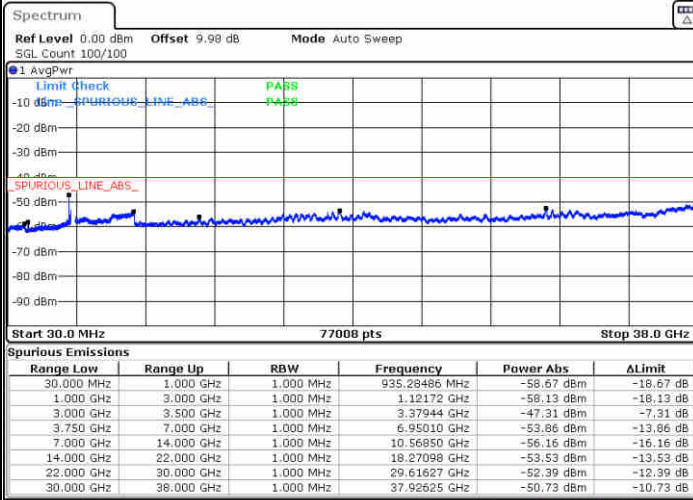


LTE Band 48 / 20MHz

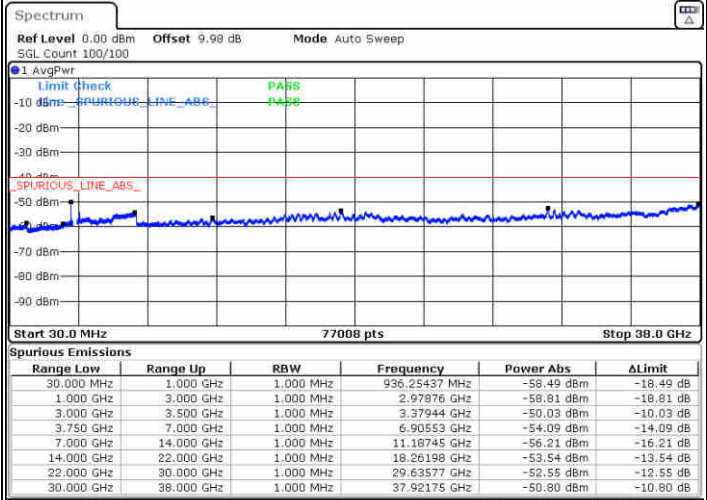
16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



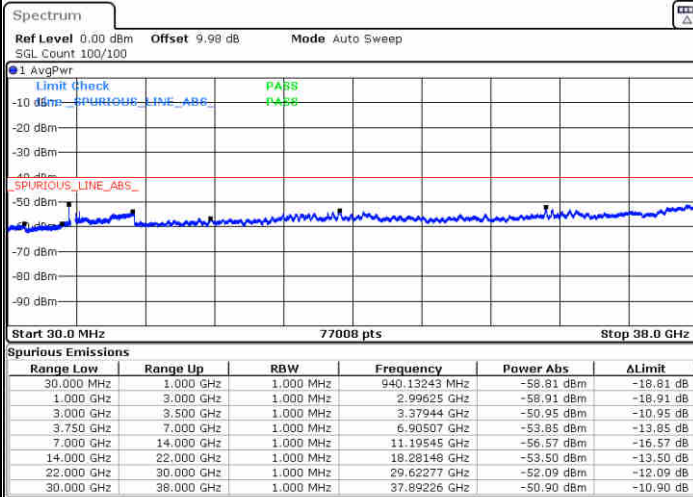
Date: 3 AUG.2020 06:19:09



Date: 3 AUG.2020 06:15:04

Highest Channel / 1RB0

N/A



Date: 3 AUG.2020 06:22:36

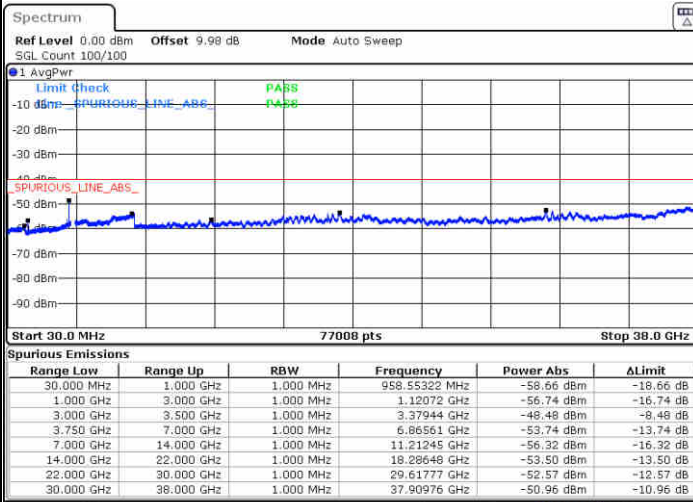


LTE Band 48 / 5MHz

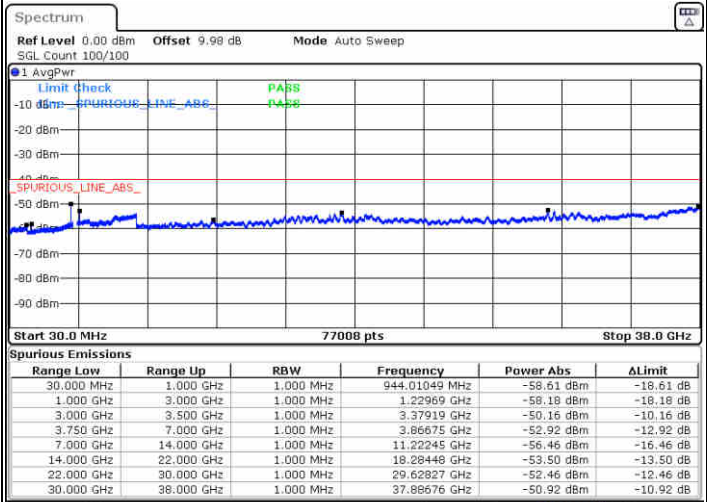
64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



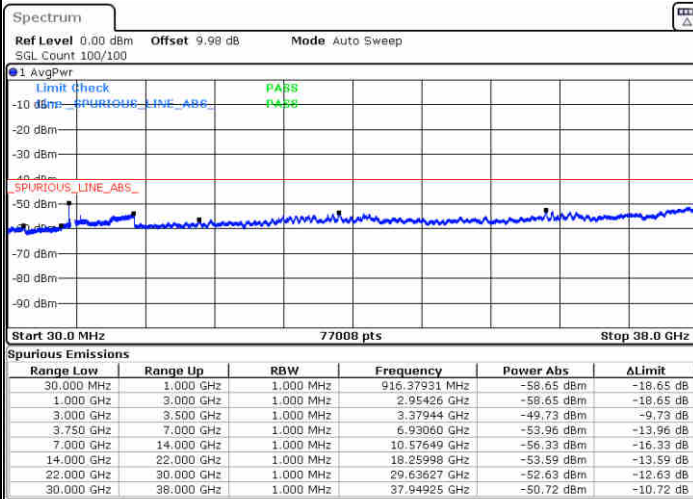
Date: 3 AUG.2020 05:38:46



Date: 3 AUG.2020 05:45:16

Highest Channel / 1RB0

N/A



Date: 3 AUG.2020 05:47:15

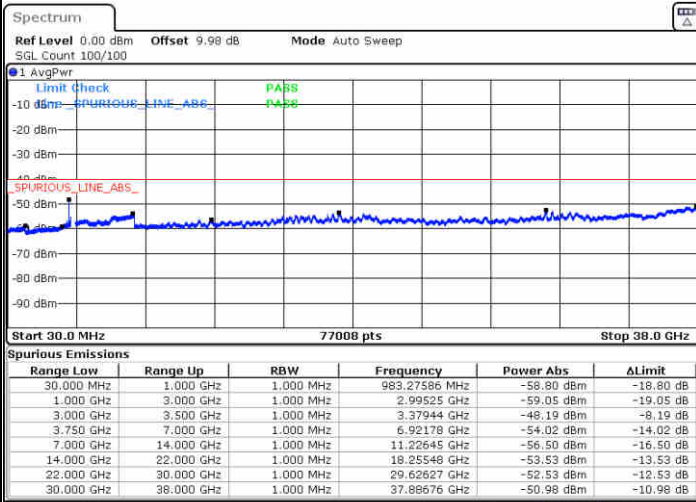


LTE Band 48 / 10MHz

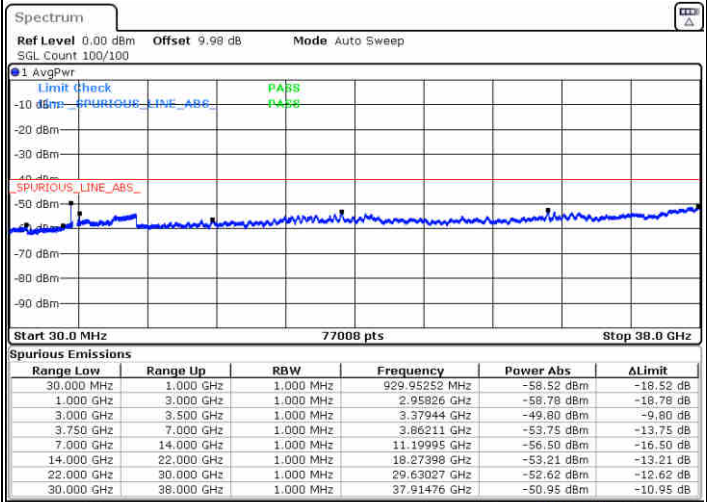
64QAM

Lowest Channel / 1RB0

MiddleChannel / 1RB0



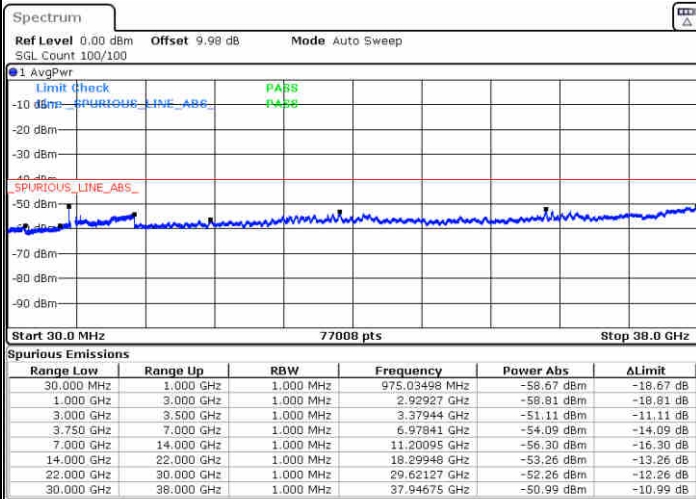
Date: 3 AUG.2020 05:55:20



Date: 3 AUG.2020 05:54:00

Highest Channel / 1RB0

N/A



Date: 3 AUG.2020 06:01:38

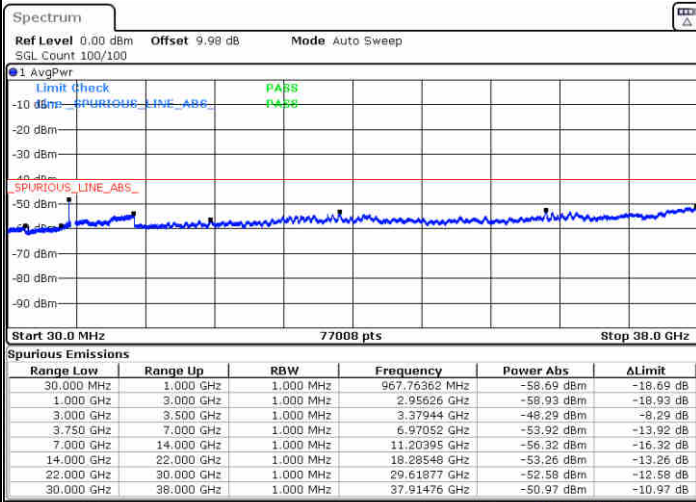


LTE Band 48 / 15MHz

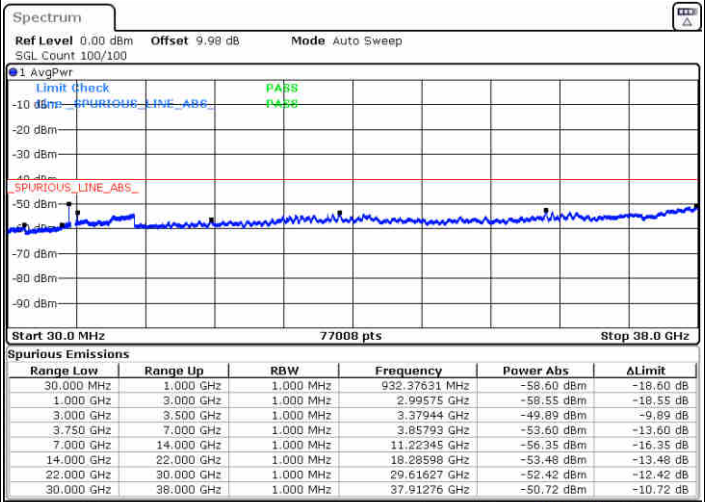
64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



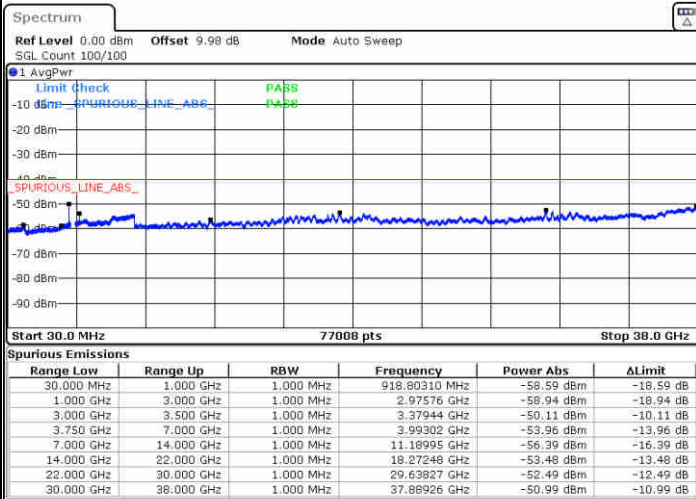
Date: 3 AUG.2020 06:09:10



Date: 3 AUG.2020 06:03:14

Highest Channel / 1RB0

N/A



Date: 3 AUG.2020 06:10:17

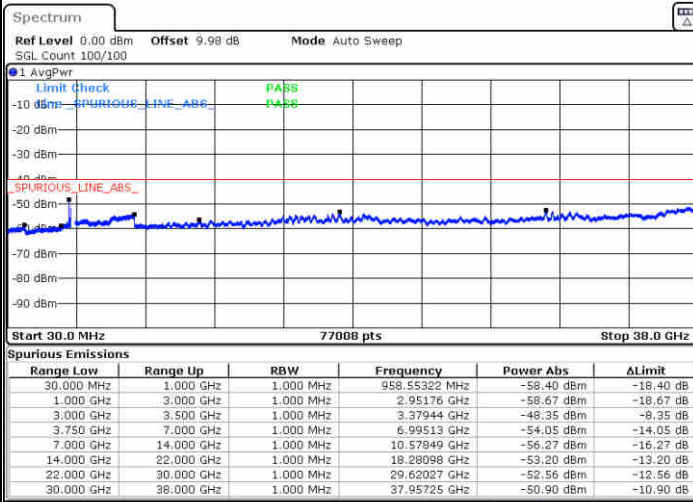


LTE Band 48 / 20MHz

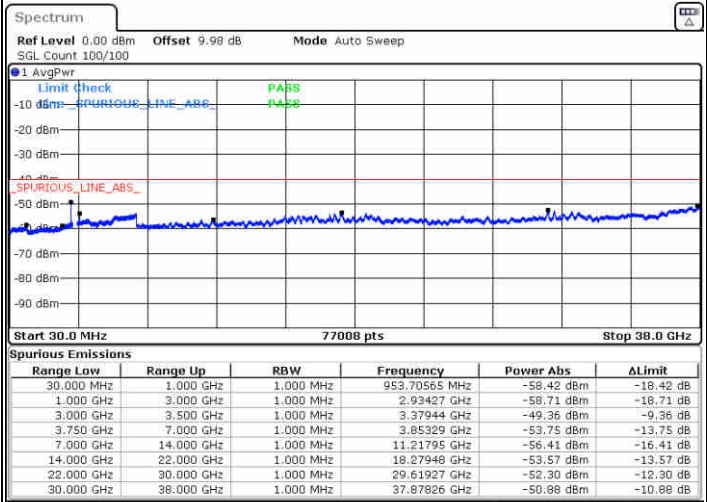
64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



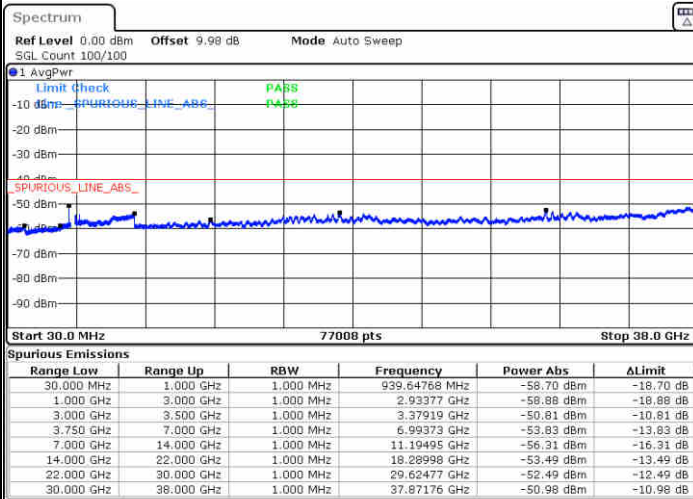
Date: 3 AUG.2020 06:18:03



Date: 3 AUG.2020 06:16:45

Highest Channel / 1RB0

N/A



Date: 3 AUG.2020 06:23:38

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	0.0015	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0054	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 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				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.93	29.19	34.90	25.23
Middle CH	24.98	29.25	35.04	25.33
Highest CH	25.03	29.37	34.97	25.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	35.04	39.96	-
Middle CH	30.27	35.04	40.04	-
Highest CH	30.09	35.04	40.20	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.98	29.19	34.90	25.08
Middle CH	25.03	29.19	35.04	25.18
Highest CH	25.03	29.31	34.97	25.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.21	34.97	39.96	-
Middle CH	30.09	35.11	39.96	-
Highest CH	30.03	35.04	40.12	-

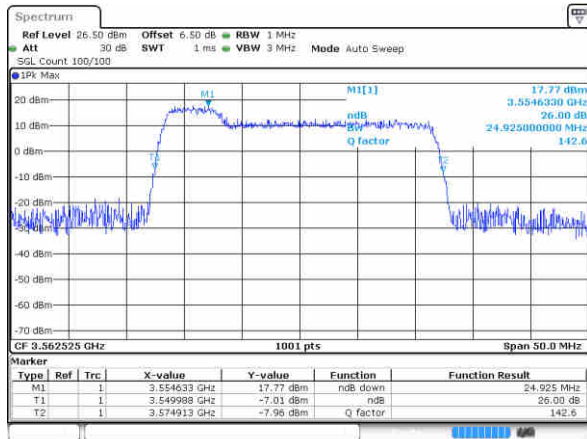
Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.88	29.01	35.04	25.08
Middle CH	24.93	29.01	34.97	25.13
Highest CH	24.98	29.07	34.97	25.08
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.90	40.12	-
Middle CH	30.09	34.97	39.96	-
Highest CH	30.15	35.04	39.96	-



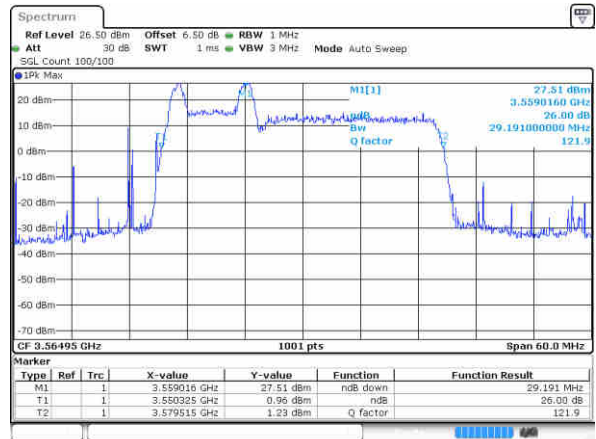
LTE Band 48C

QPSK

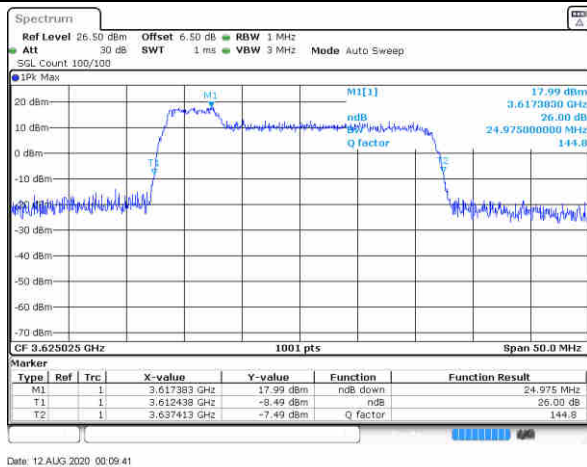
Lowest Channel / 5MHz+20MHz



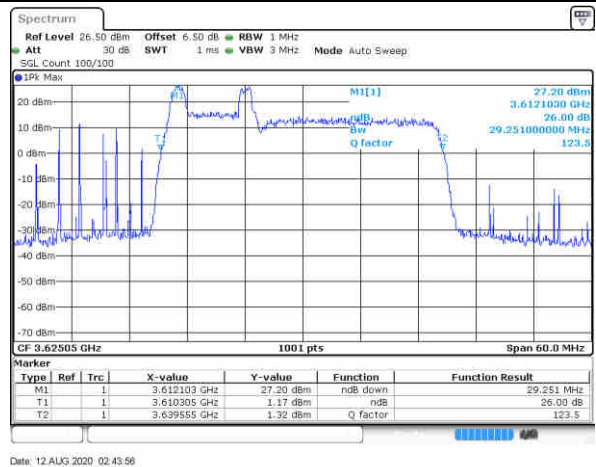
Lowest Channel / 10MHz+20MHz



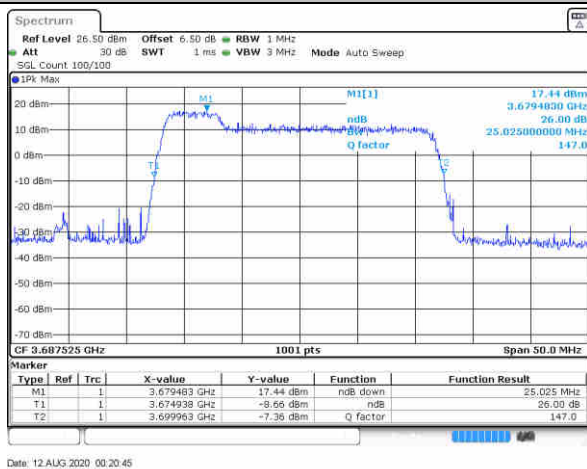
Middle Channel / 5MHz+20MHz



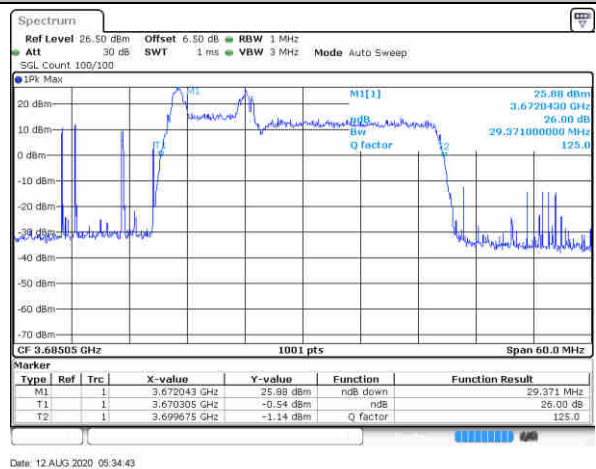
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

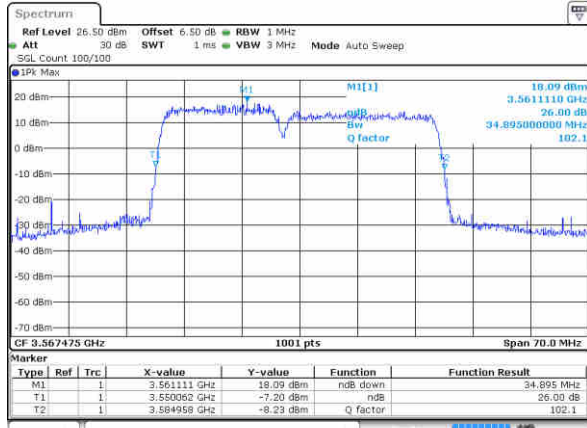




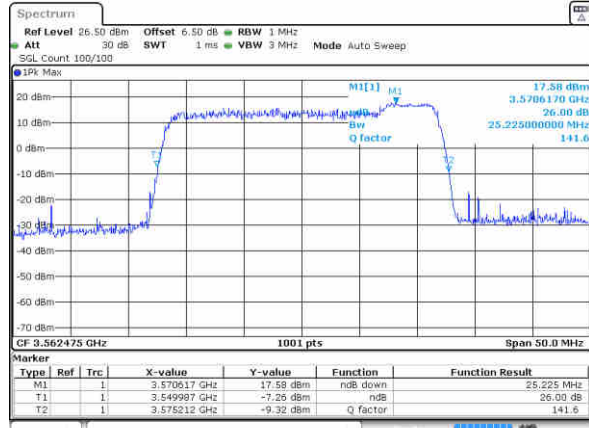
LTE Band 48C

QPSK

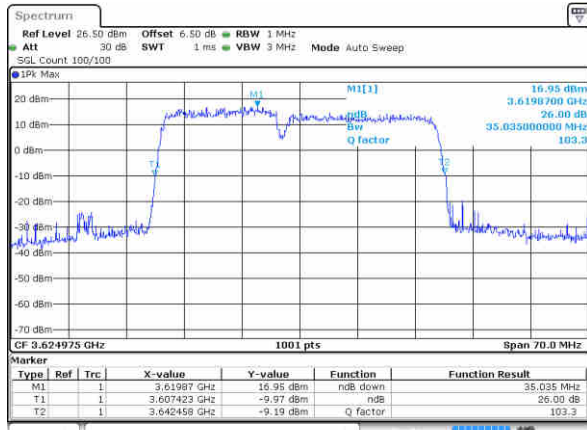
Lowest Channel / 15MHz+20MHz



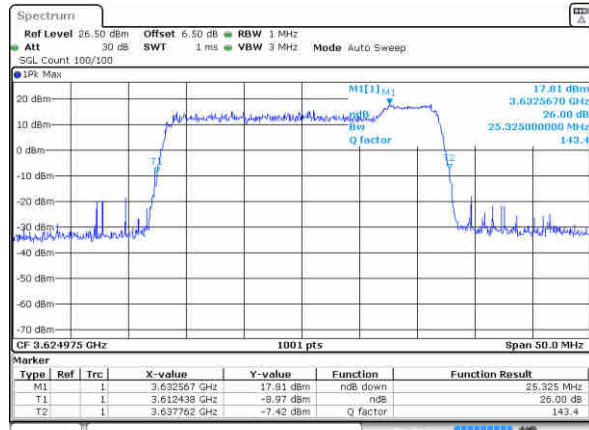
Lowest Channel / 20MHz+5MHz



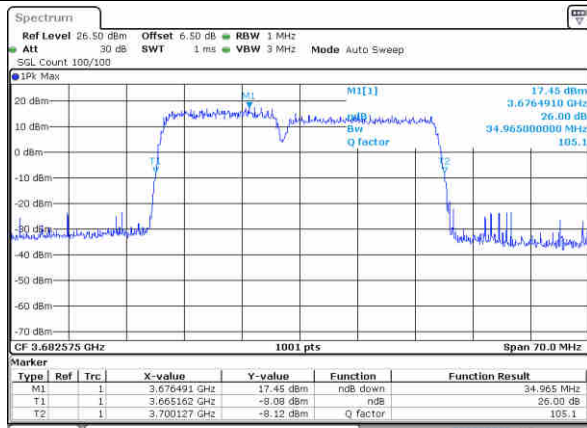
Middle Channel / 15MHz+20MHz



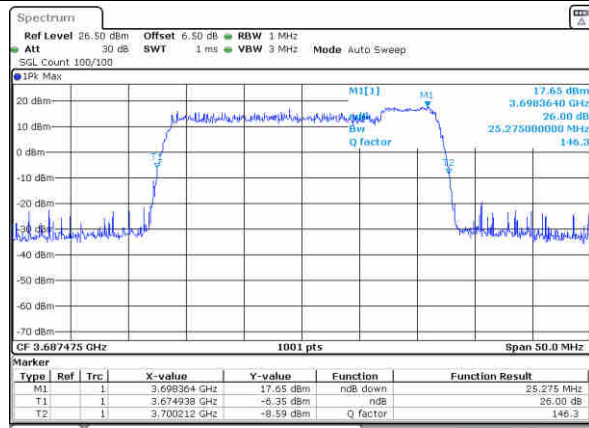
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

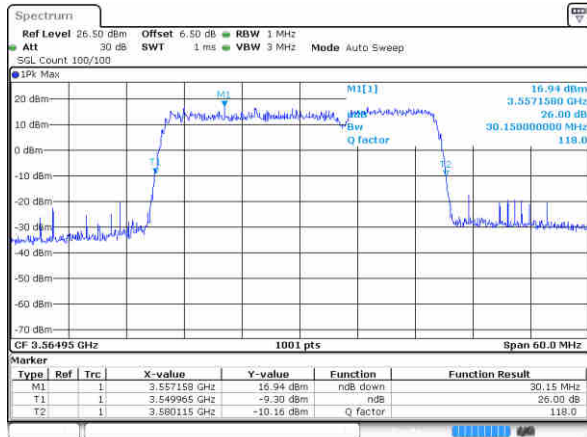




LTE Band 48C

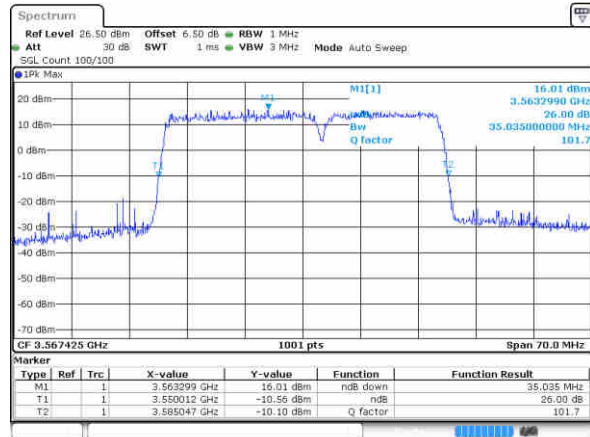
QPSK

Lowest Channel / 20MHz+10MHz



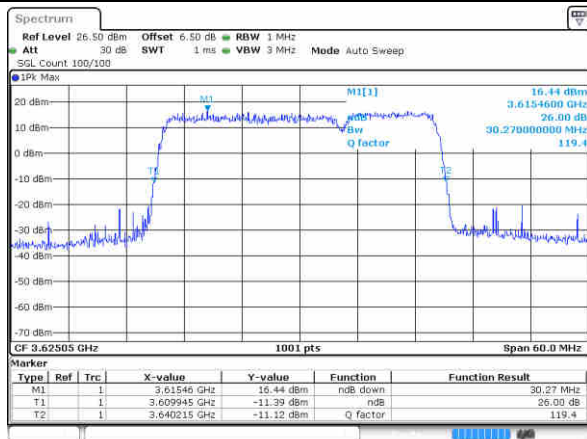
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Lowest Channel / 20MHz+15MHz



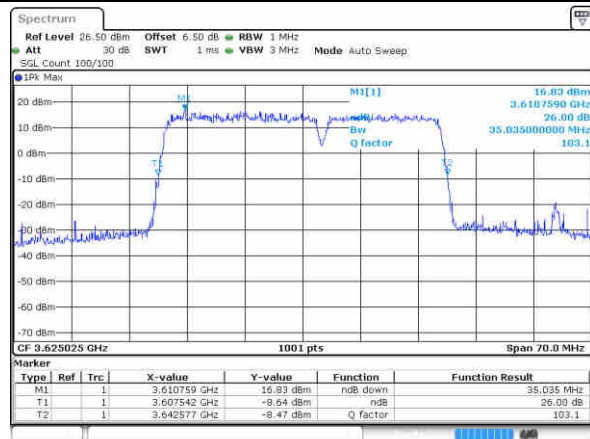
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Middle Channel / 20MHz+10MHz



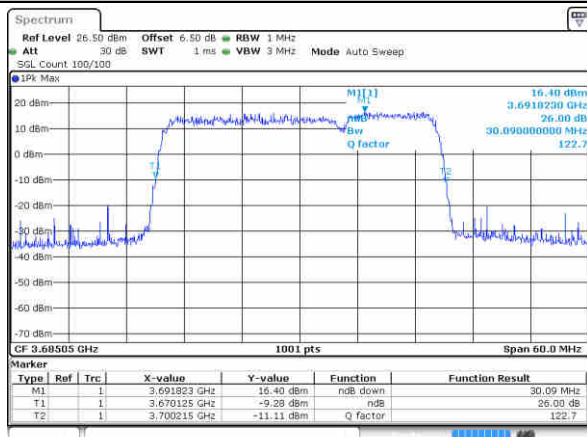
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Middle Channel / 20MHz+15MHz



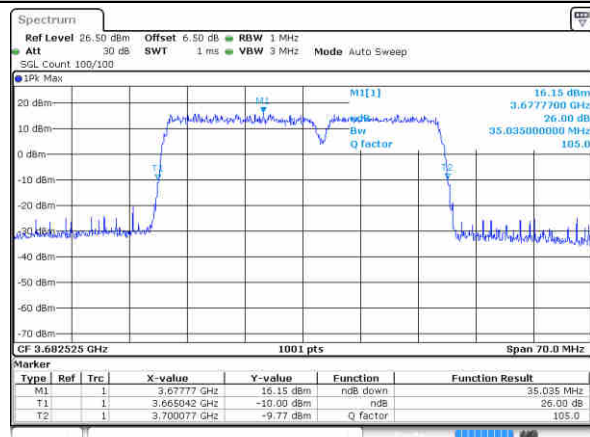
Date: 12 AUG 2020 08:35:35

Highest Channel / 20MHz+10MHz



Date: 12 AUG 2020 05:57:44

Highest Channel / 20MHz+15MHz



Date: 12 AUG 2020 08:51:00

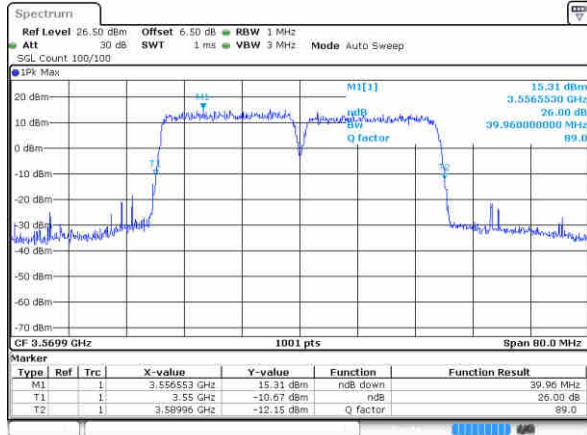


LTE Band 48C

QPSK

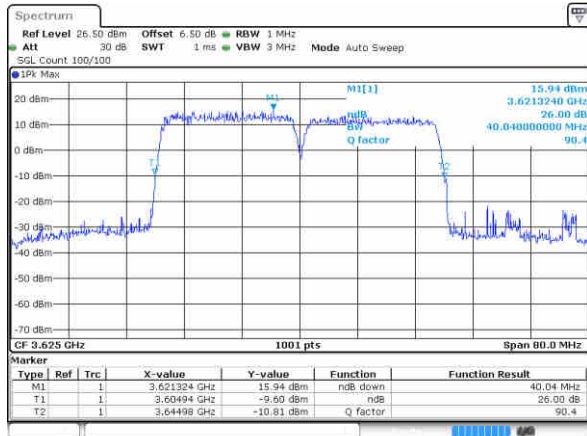
Lowest Channel / 20MHz+20MHz

N/A



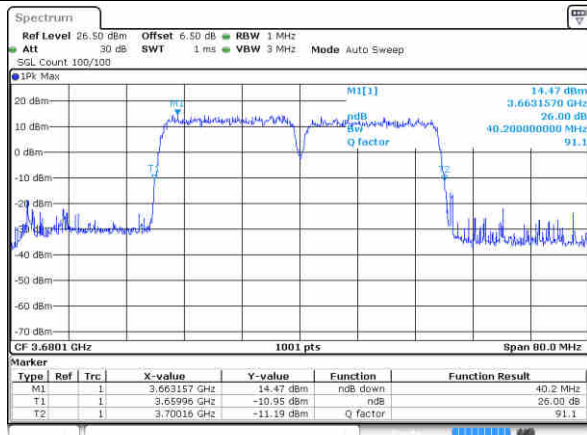
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

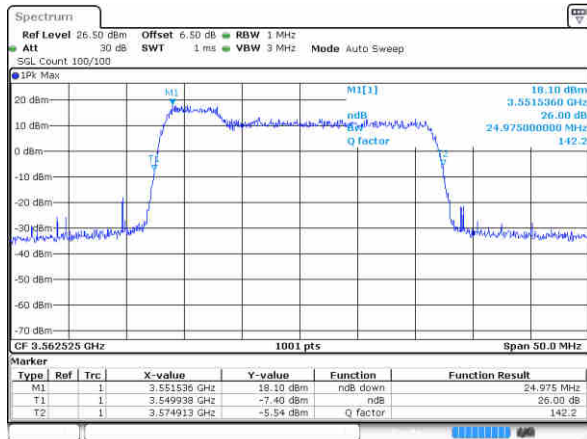




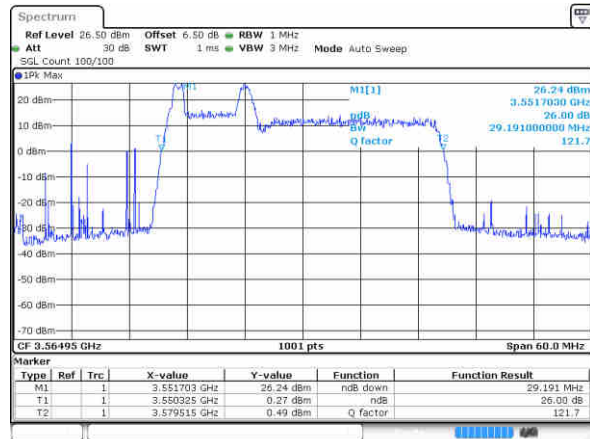
LTE Band 48C

16QAM

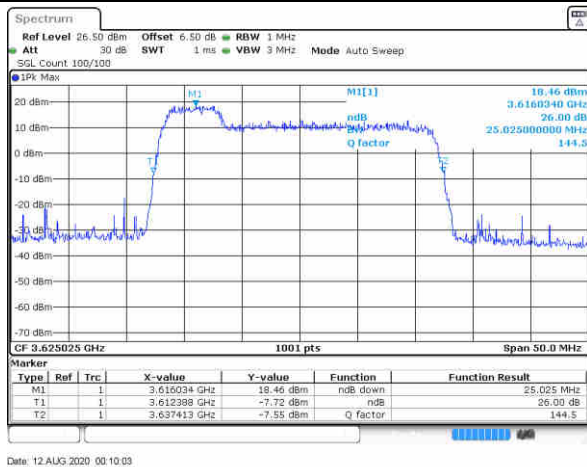
Lowest Channel / 5MHz+20MHz



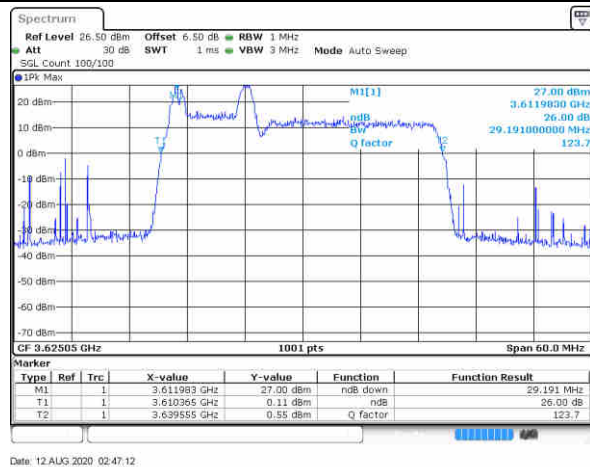
Lowest Channel / 10MHz+15MHz



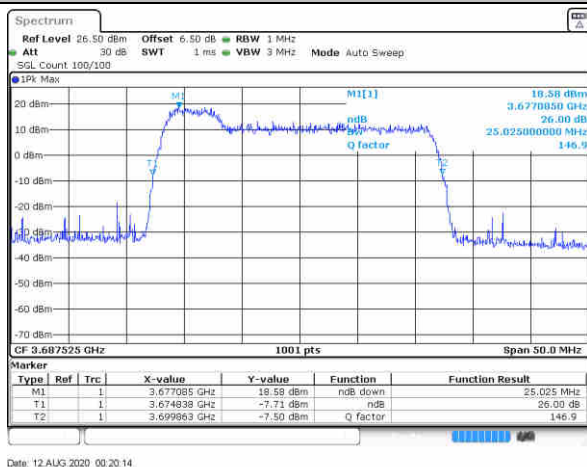
Middle Channel / 5MHz+20MHz



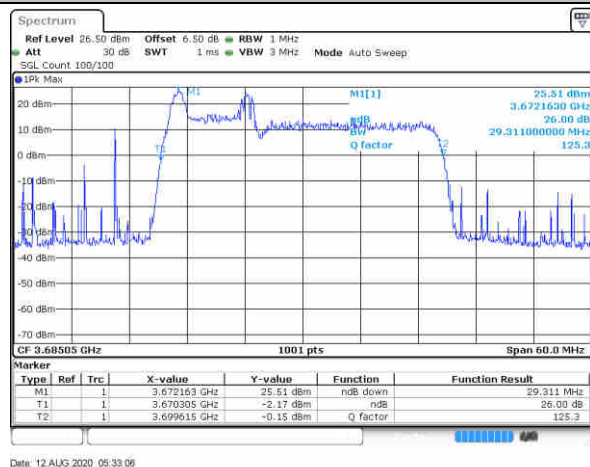
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

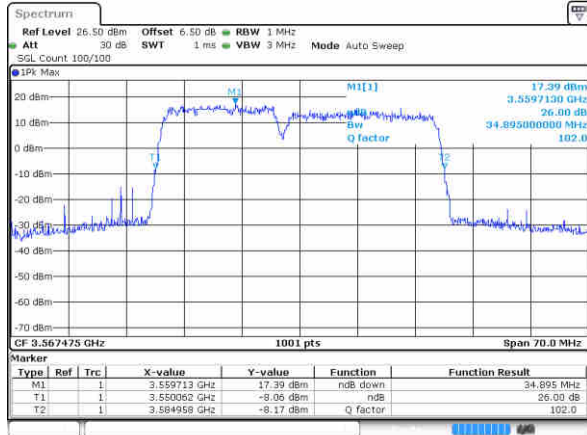




LTE Band 48C

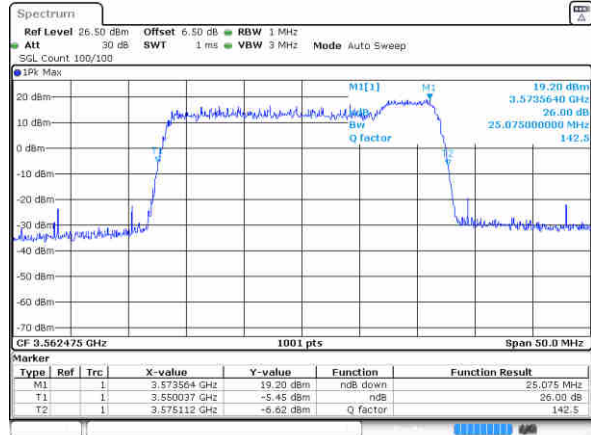
16QAM

Lowest Channel / 10MHz+20MHz



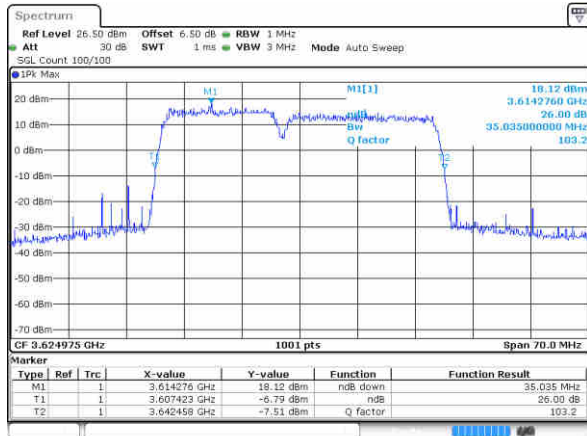
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Lowest Channel / 15MHz+10MHz



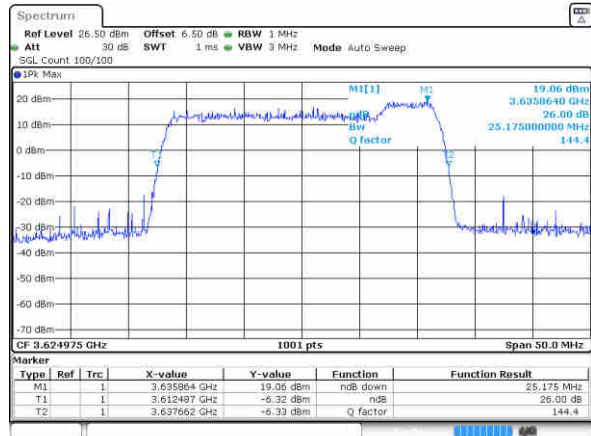
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Middle Channel / 15MHz+20MHz



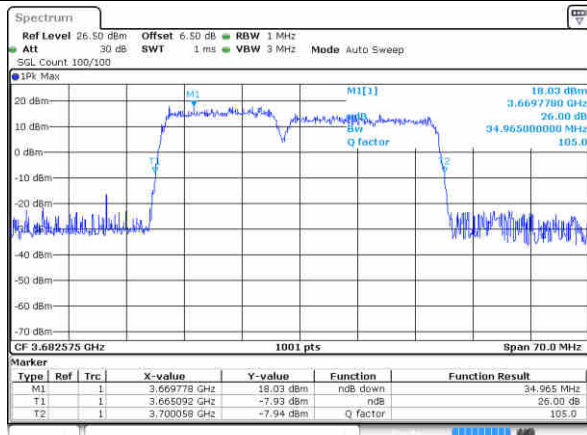
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Middle Channel / 20MHz+5MHz



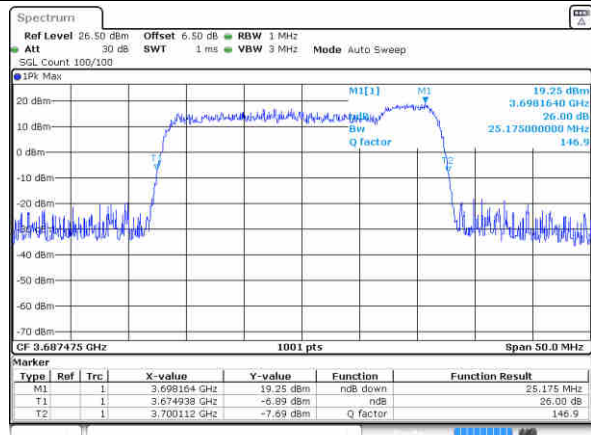
Date: 12 AUG 2020 01:08:22

Highest Channel / 15MHz+20MHz



Date: 12 AUG 2020 07:15:09

Highest Channel / 20MHz+5MHz



Date: 12 AUG 2020 01:22:07