

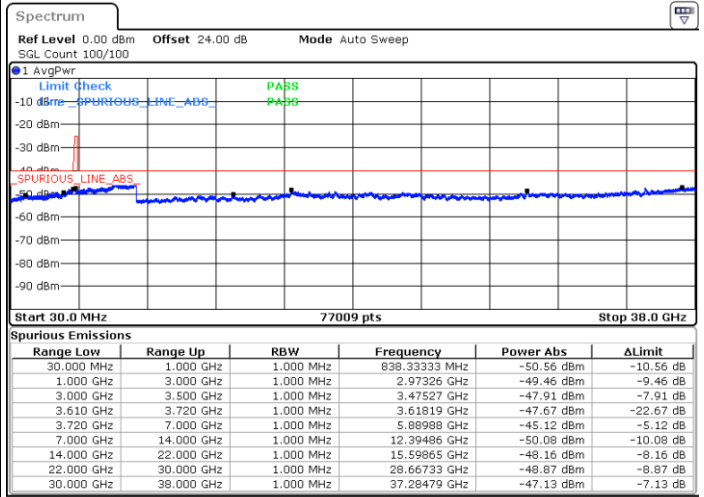
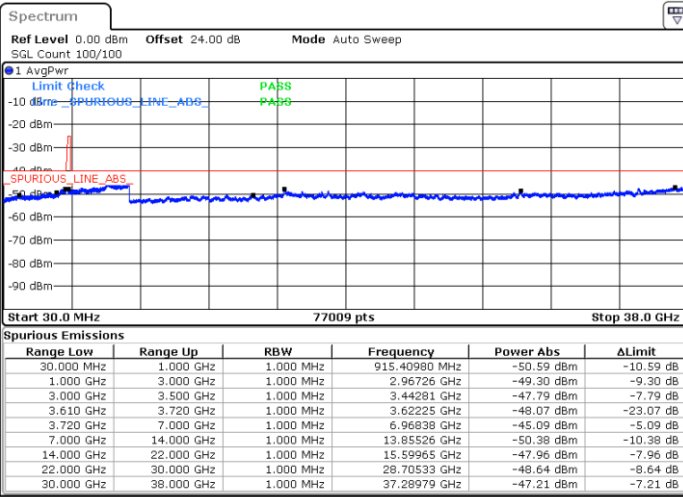


LTE Band 48 / 5MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

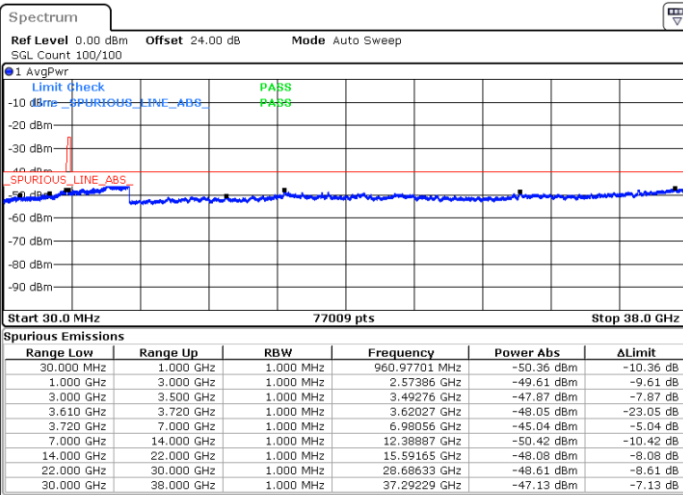


Date: 17.APR.2020 00:22:57

Date: 17.APR.2020 00:43:27

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 00:34:27

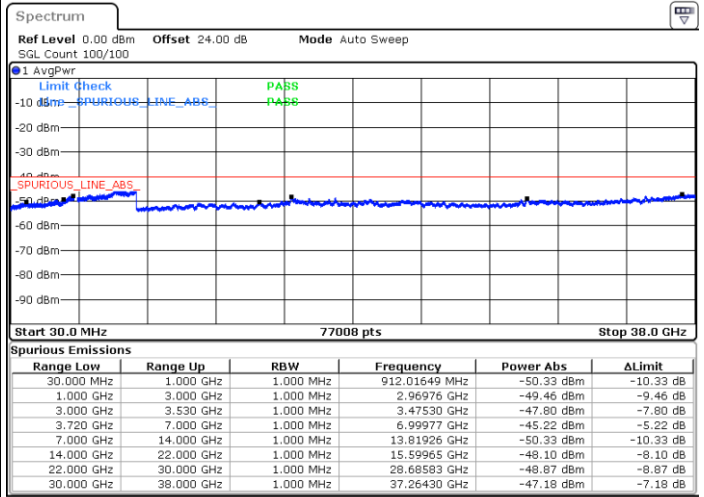
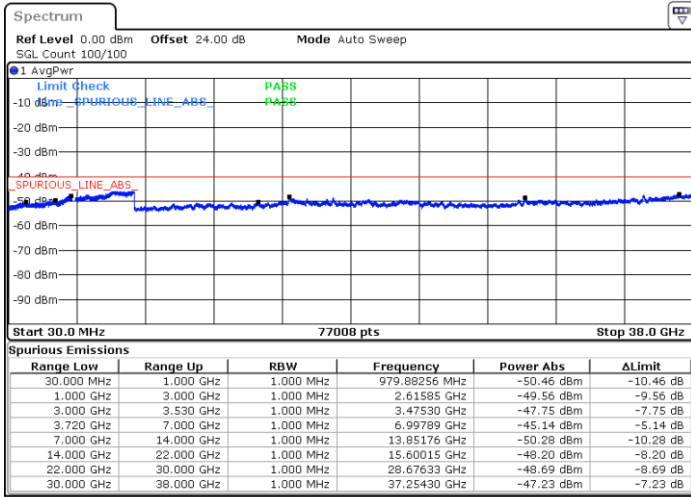


LTE Band 48 / 5MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

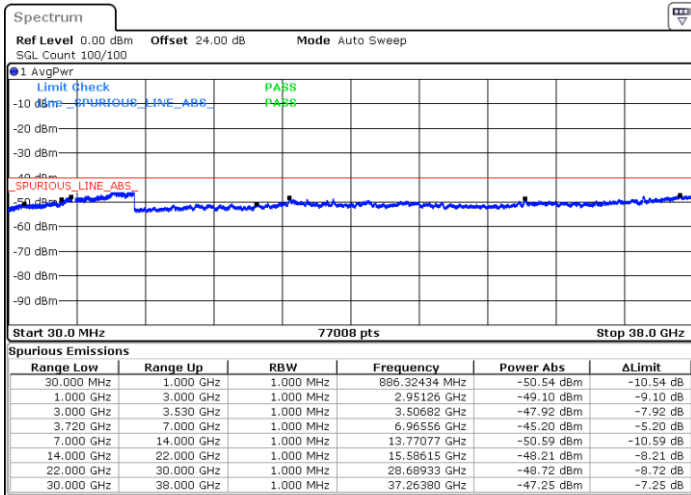


Date: 17.APR.2020 00:25:57

Date: 17.APR.2020 00:46:26

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 00:37:27

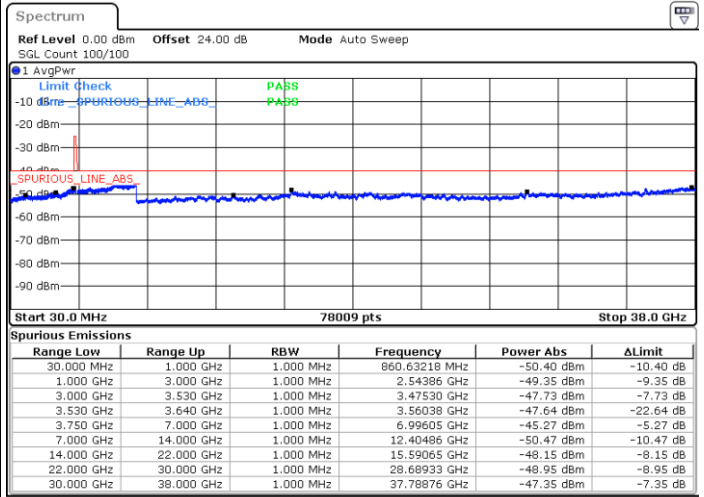
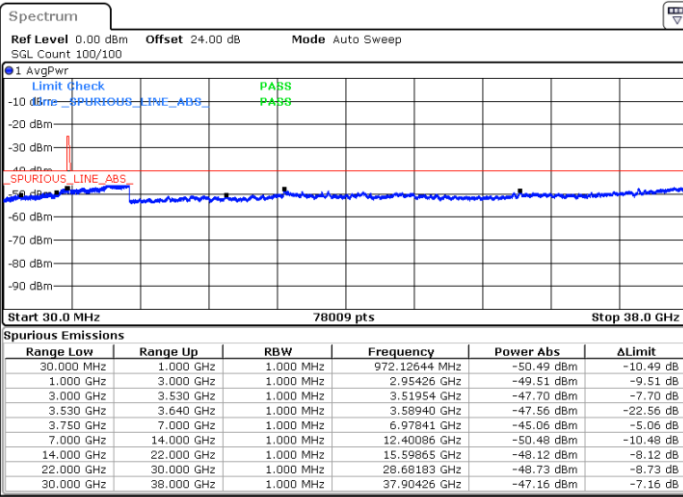


LTE Band 48 / 5MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

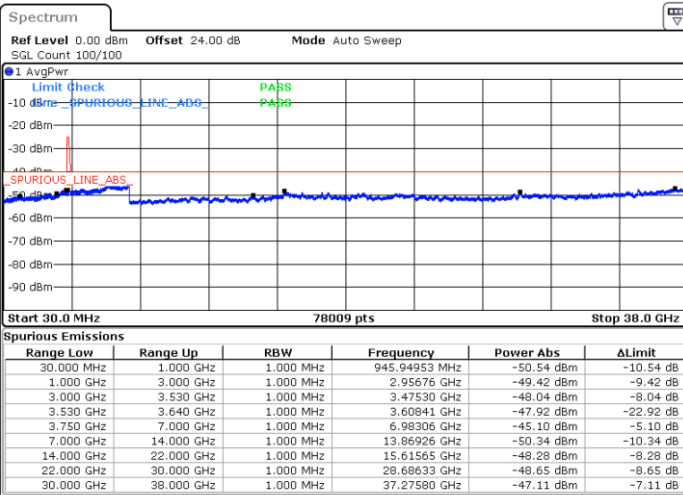


Date: 17.APR.2020 00:28:57

Date: 17.APR.2020 00:49:26

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 00:40:26

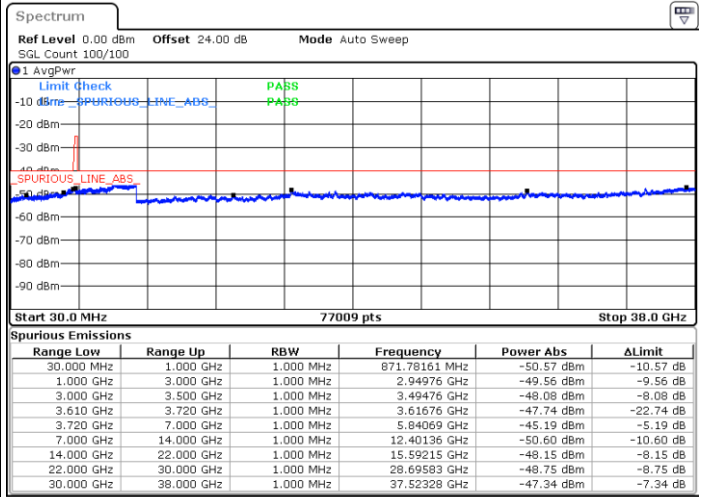
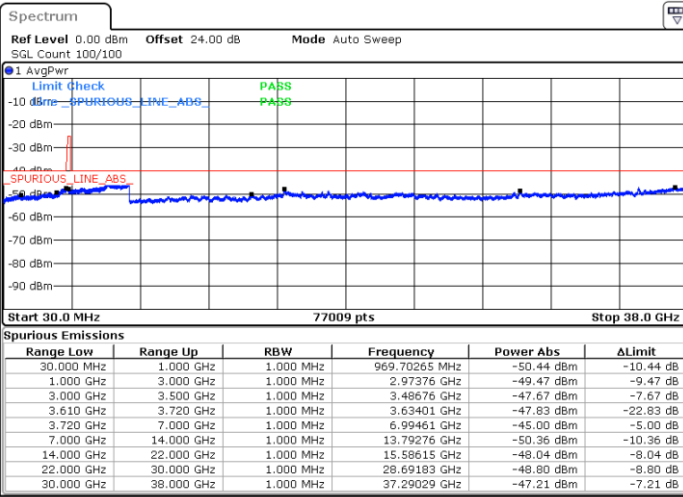


LTE Band 48 / 10MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

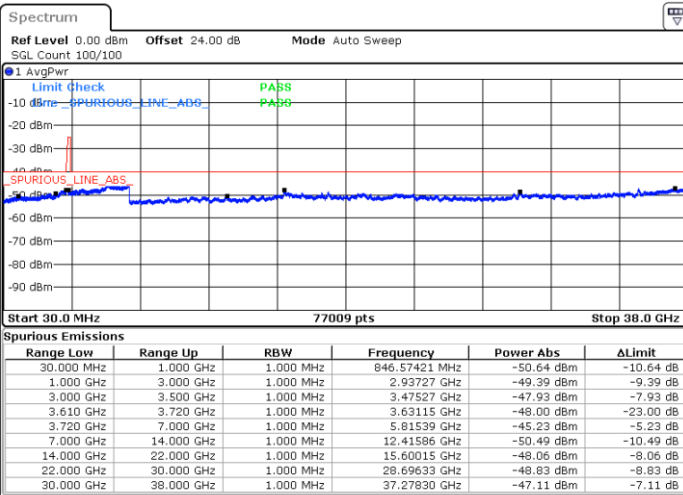


Date: 17.APR.2020 00:52:27

Date: 17.APR.2020 01:10:28

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 01:01:27

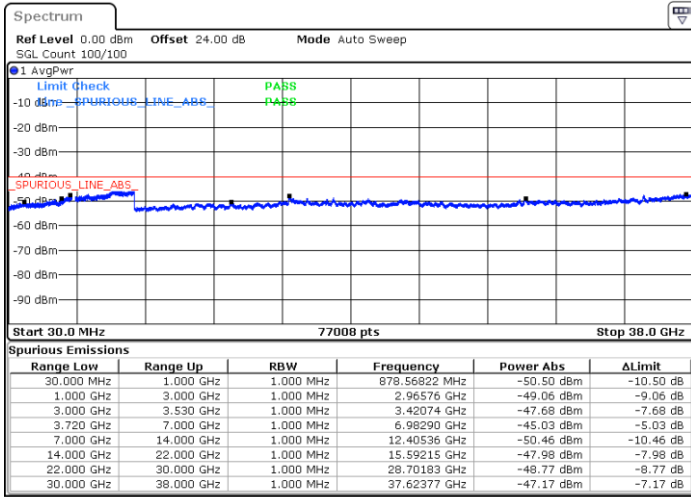


LTE Band 48 / 10MHz

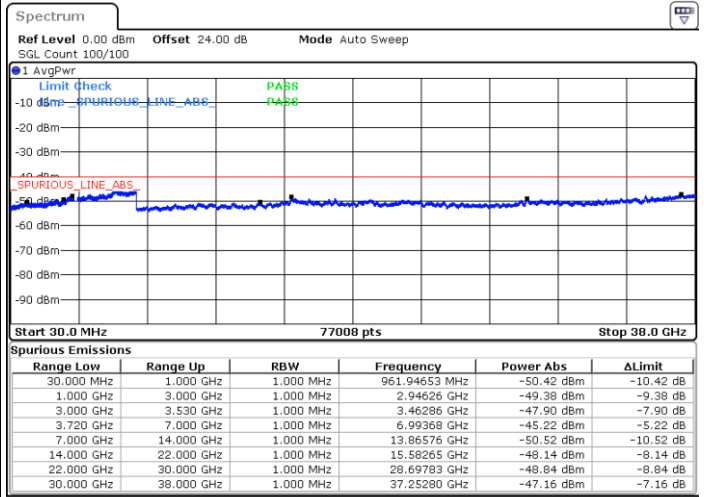
16QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



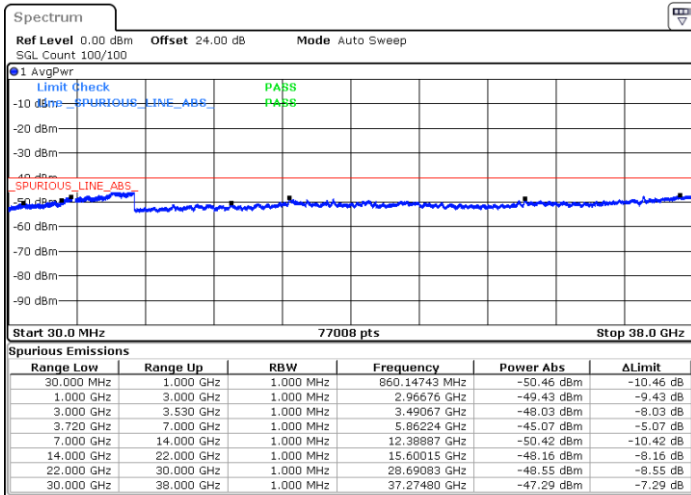
Date: 17.APR.2020 00:55:26



Date: 17.APR.2020 01:13:27

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 01:04:27

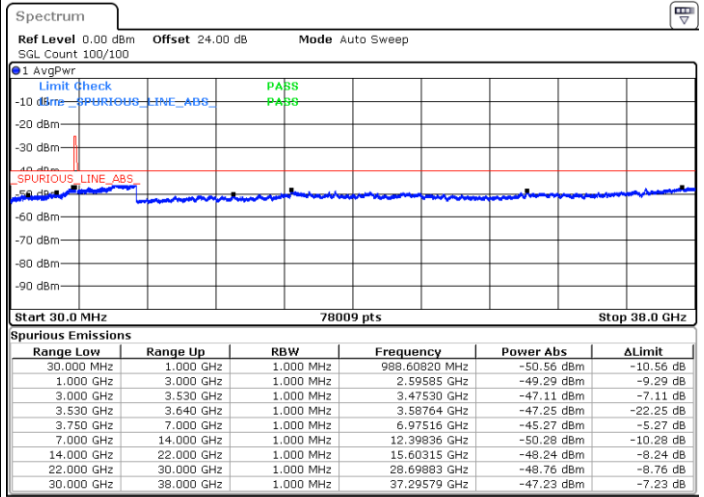
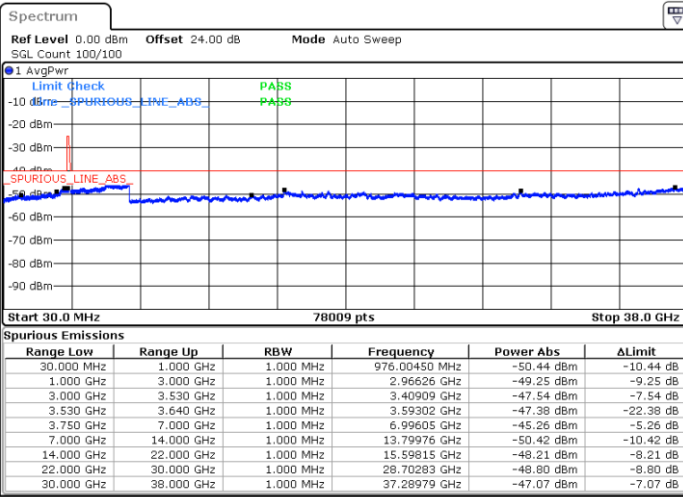


LTE Band 48 / 10MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

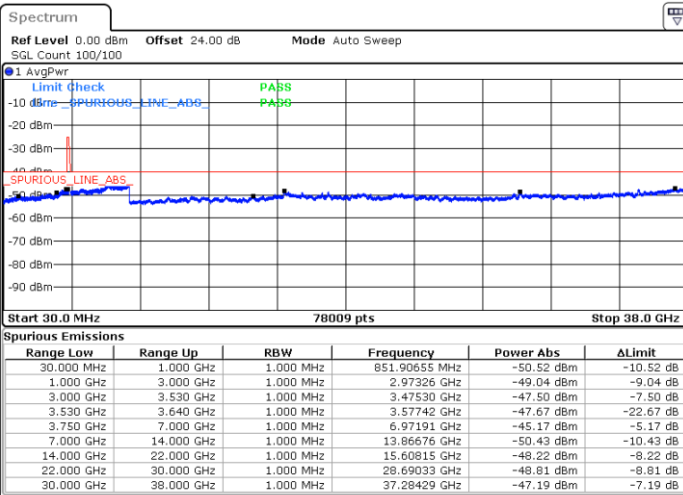


Date: 17.APR.2020 00:58:26

Date: 17.APR.2020 01:16:27

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 01:07:27

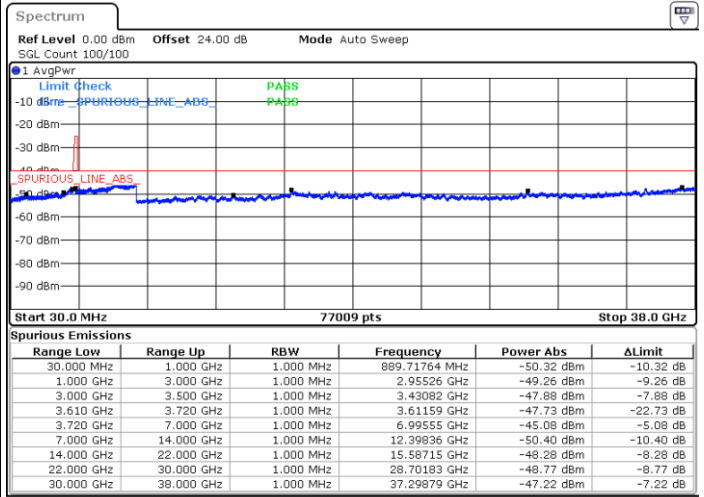
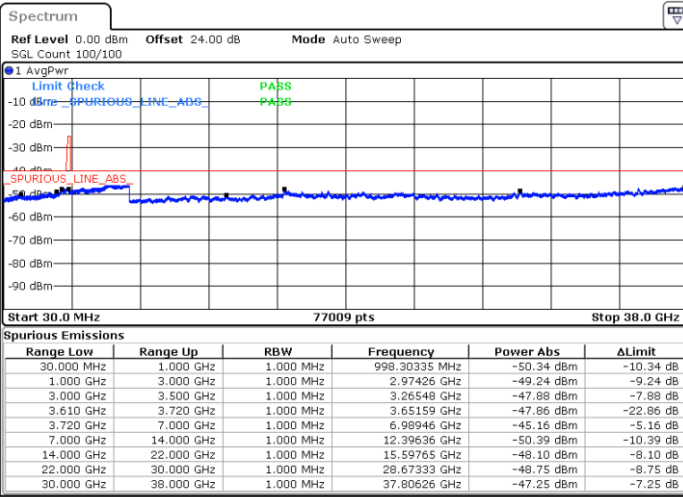


LTE Band 48 / 15MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

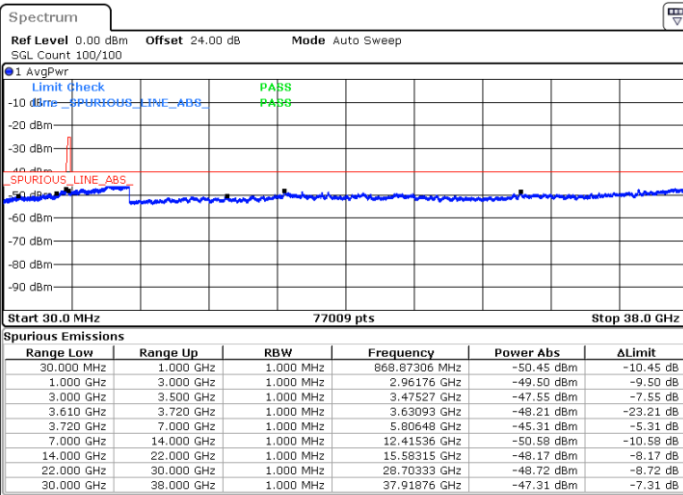


Date: 17.APR.2020 01:19:28

Date: 17.APR.2020 01:17:29

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 01:28:29

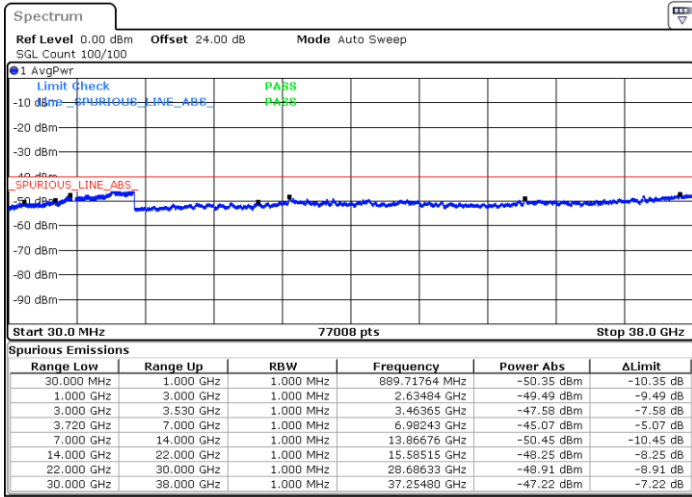


LTE Band 48 / 15MHz

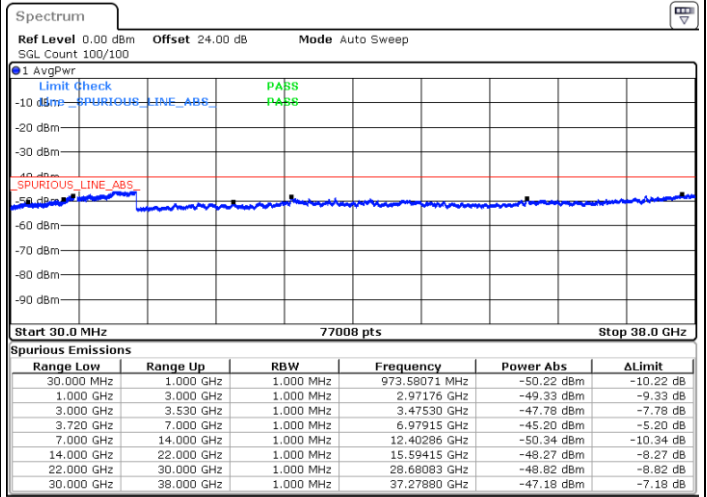
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



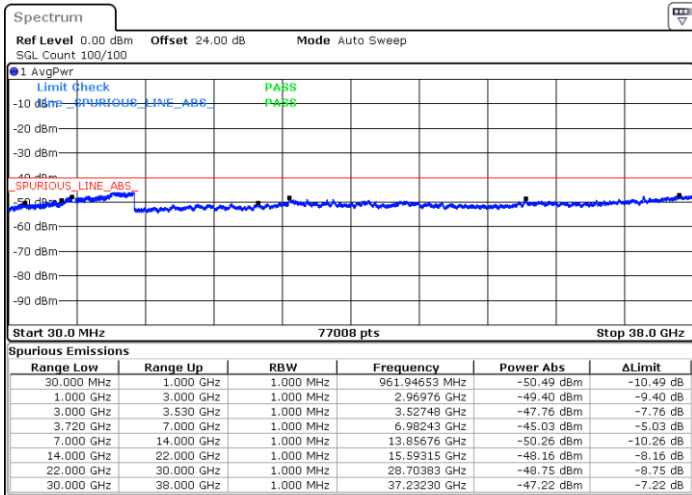
Date: 17.APR.2020 01:22:28



Date: 17.APR.2020 01:40:29

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 01:31:29

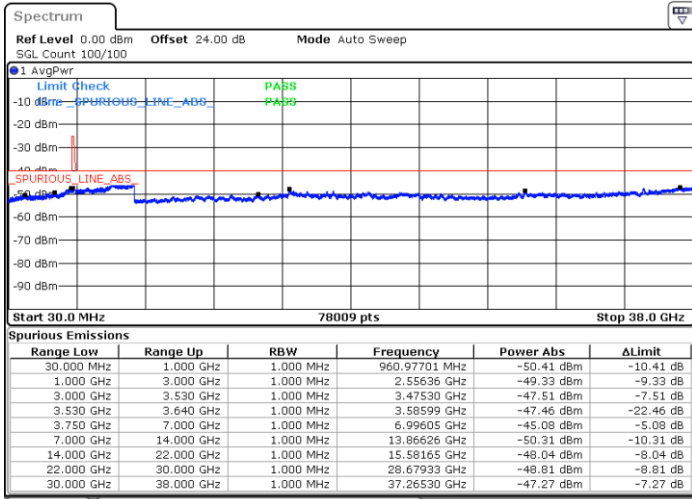


LTE Band 48 / 15MHz

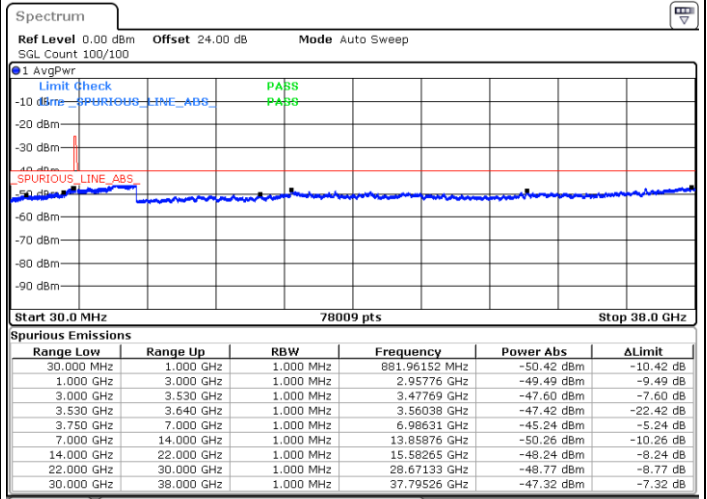
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



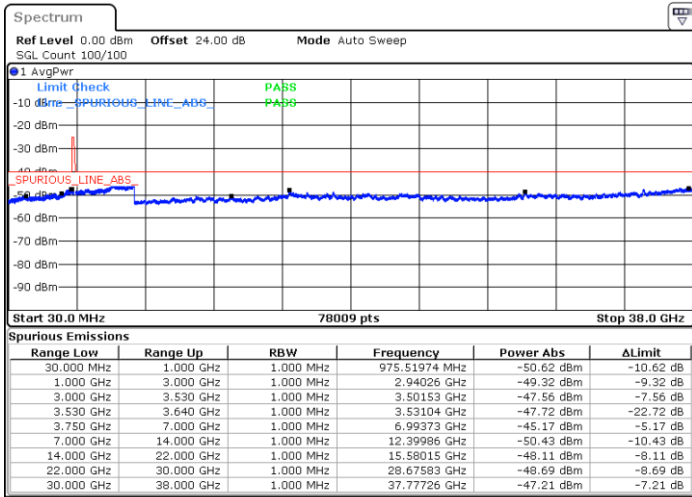
Date: 17.APR.2020 01:25:28



Date: 17.APR.2020 01:43:29

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 01:34:28

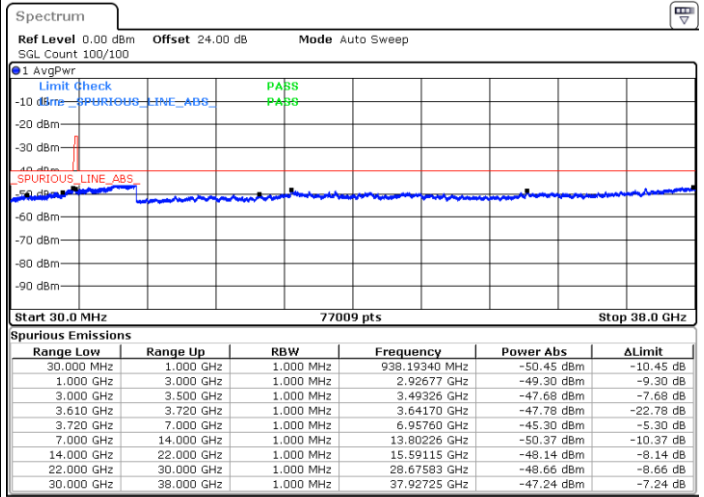
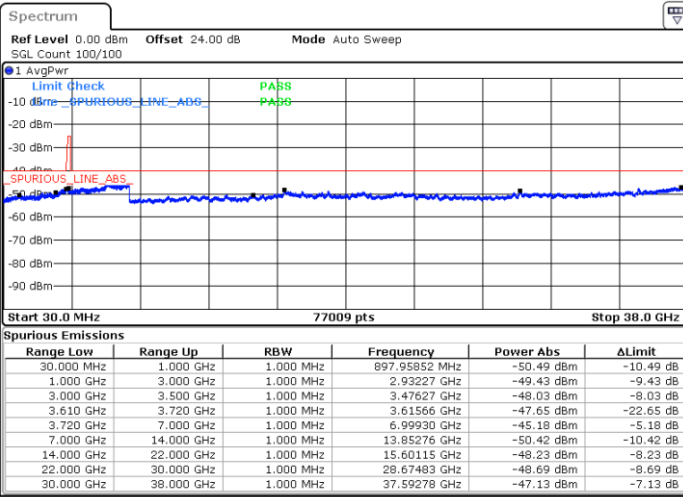


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

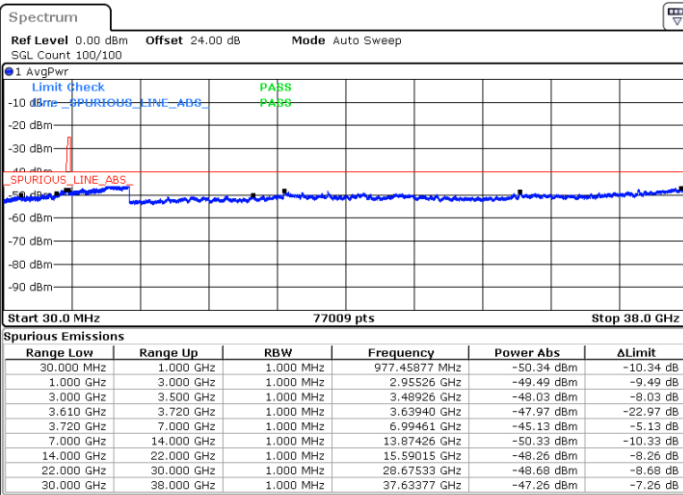


Date: 17.APR.2020 01:55:30

Date: 17.APR.2020 02:04:31

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 01:46:30

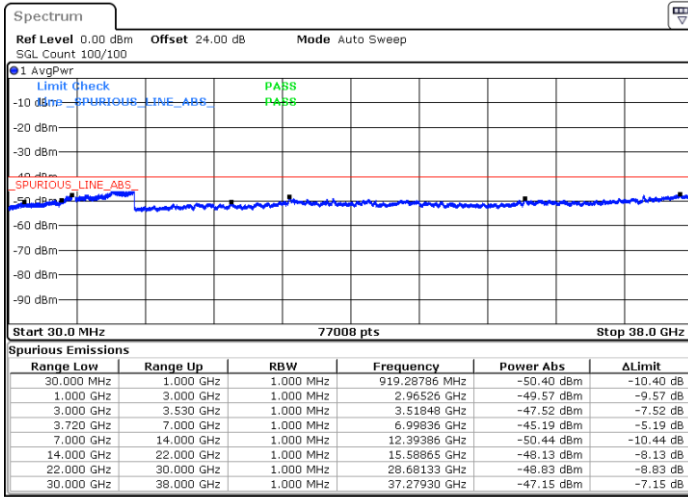


LTE Band 48 / 20MHz

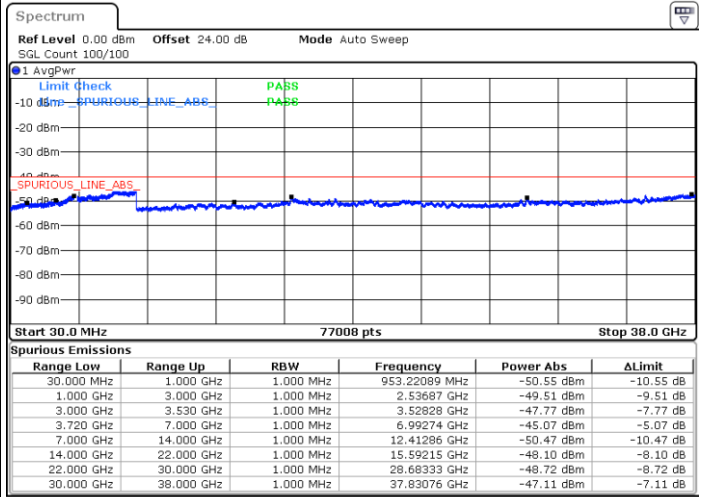
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



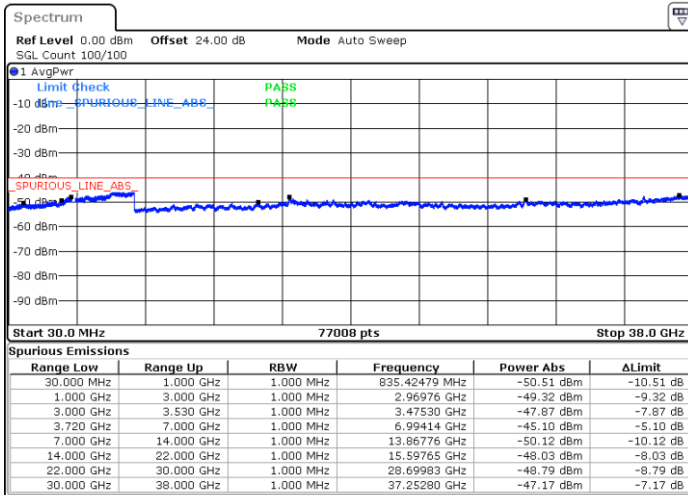
Date: 17.APR.2020 01:58:30



Date: 17.APR.2020 02:07:31

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 01:49:30

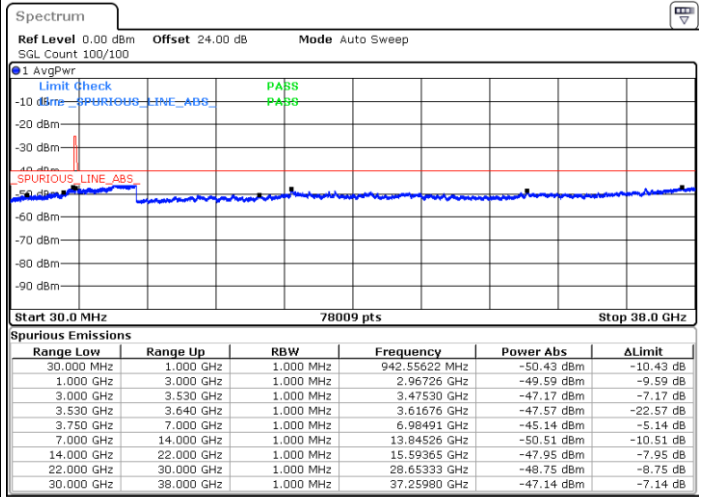
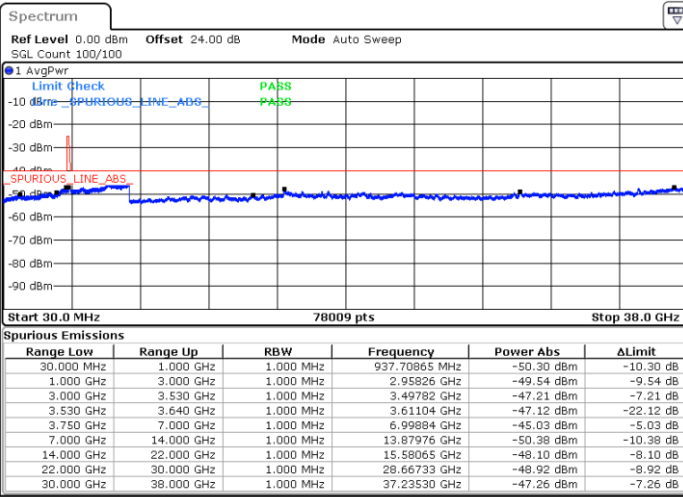


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

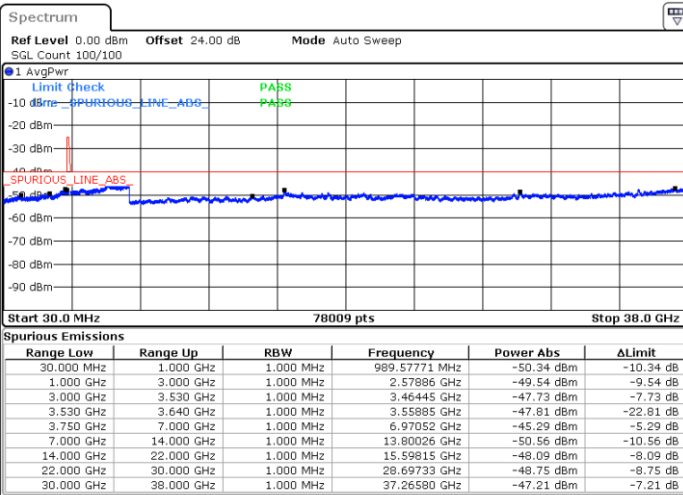


Date: 17.APR.2020 02:01:30

Date: 17.APR.2020 02:10:31

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 01:52:30

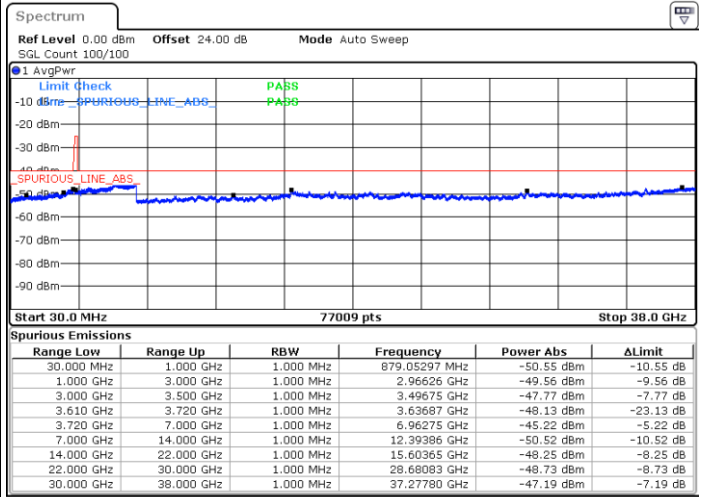
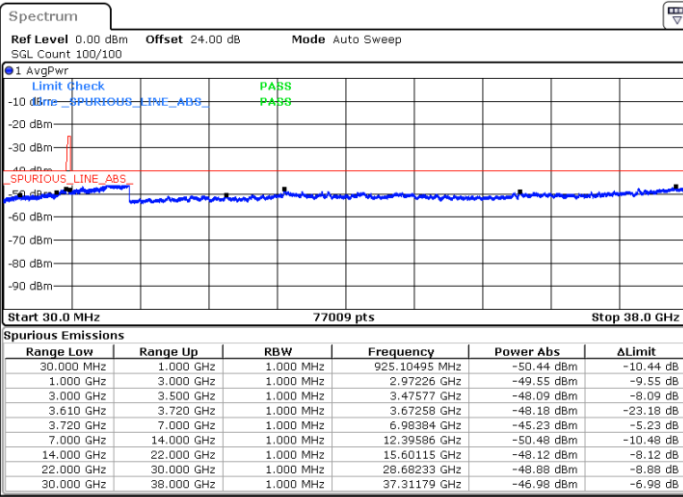


LTE Band 48 / 5MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

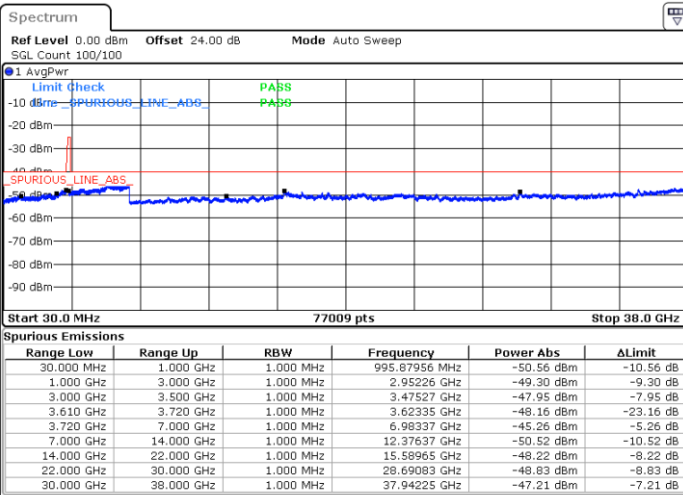


Date: 17.APR.2020 00:23:58

Date: 17.APR.2020 00:44:27

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 00:35:27

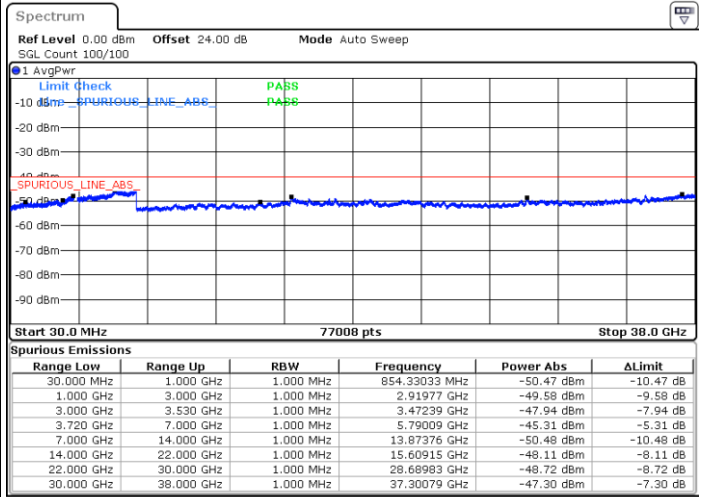
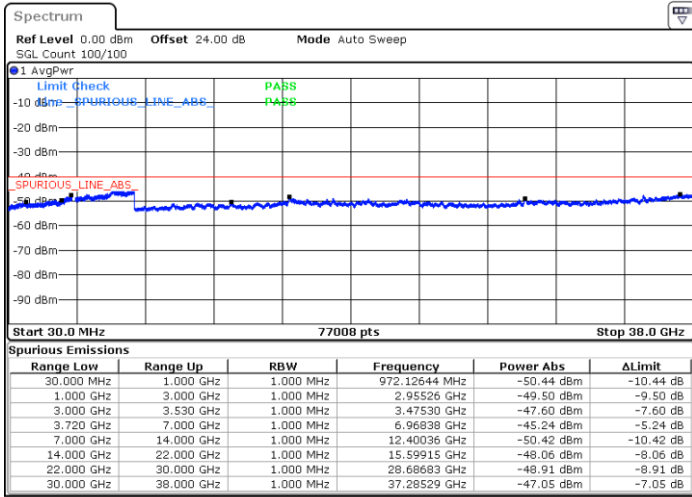


LTE Band 48 / 5MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

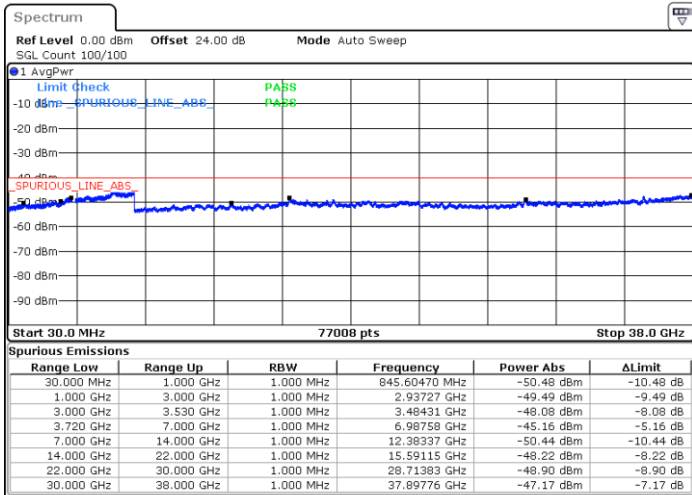


Date: 17.APR.2020 00:24:57

Date: 17.APR.2020 00:45:27

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 00:36:27

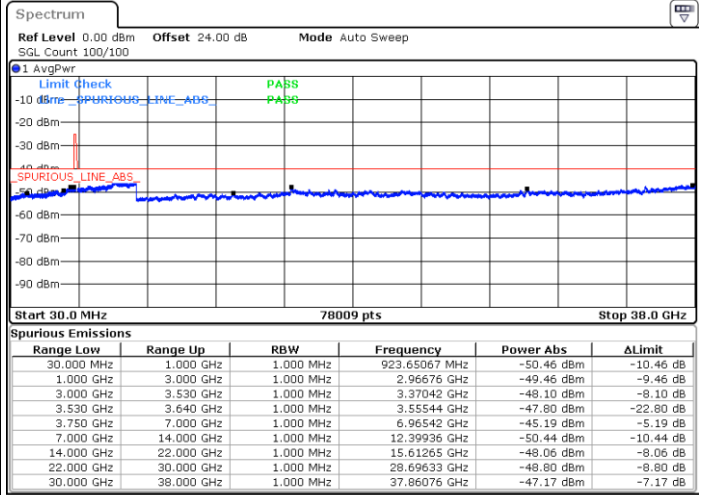
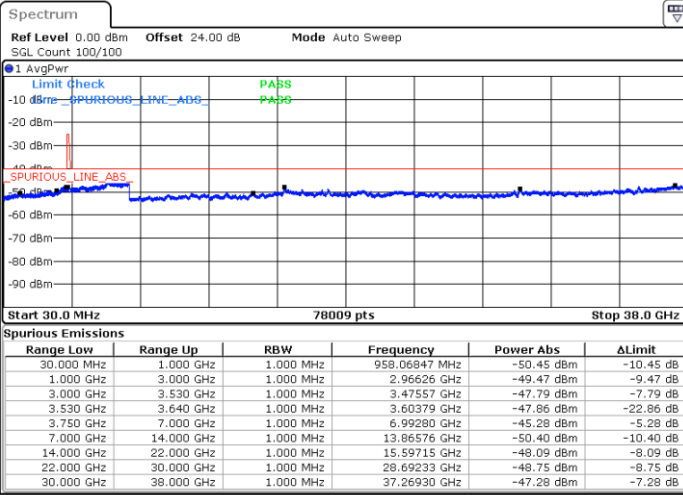


LTE Band 48 / 5MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

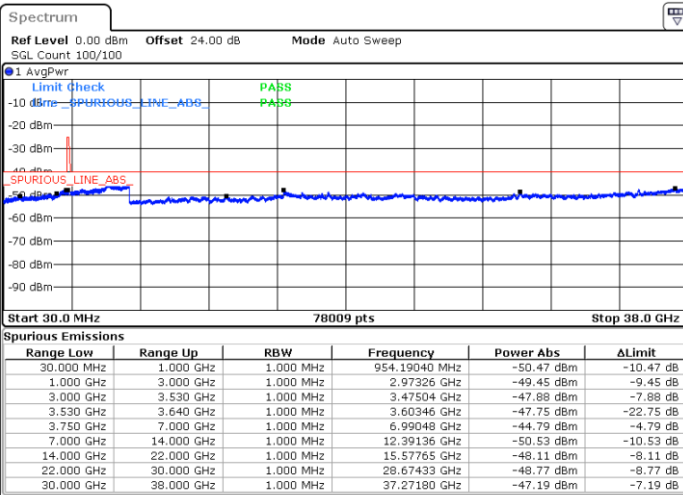


Date: 17.APR.2020 00:29:57

Date: 17.APR.2020 00:50:26

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 00:41:26

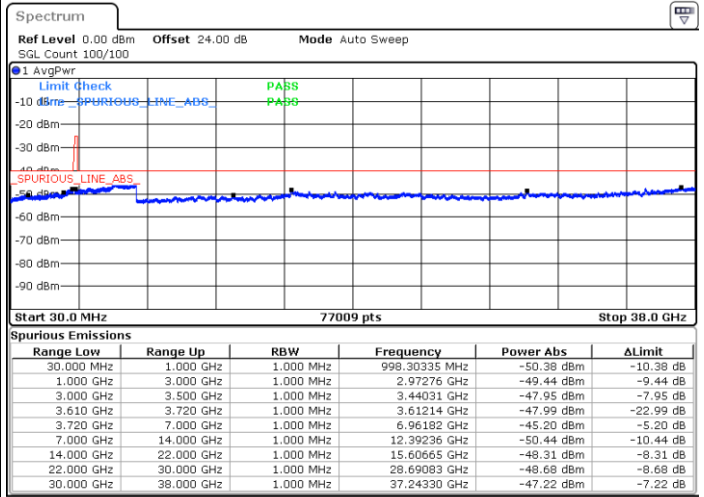
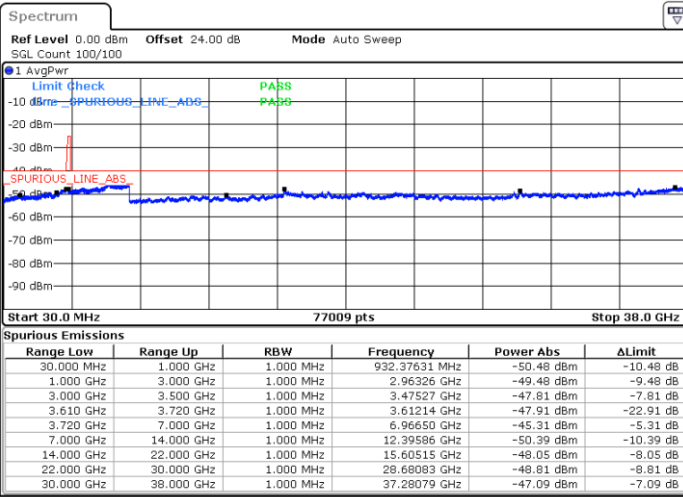


LTE Band 48 / 10MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

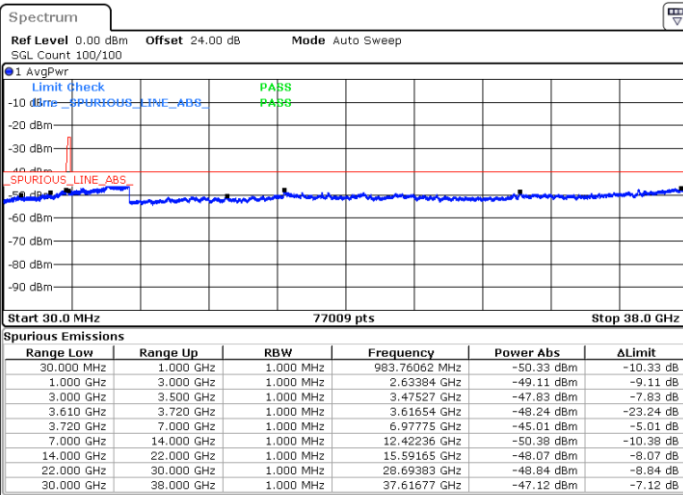


Date: 17.APR.2020 00:51:27

Date: 17.APR.2020 01:09:27

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 01:00:26

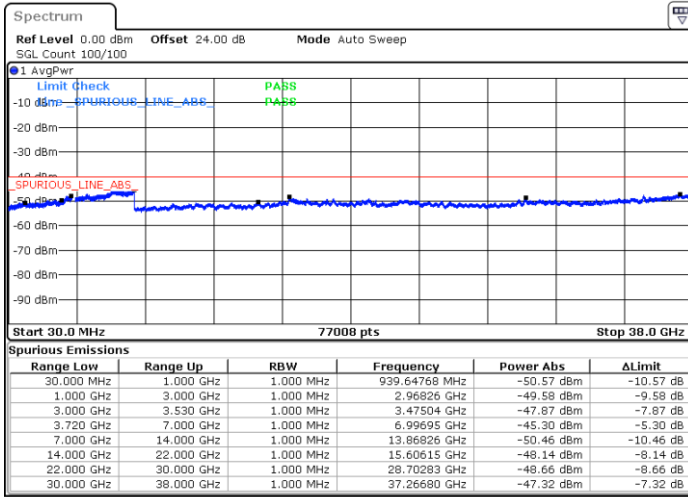


LTE Band 48 / 10MHz

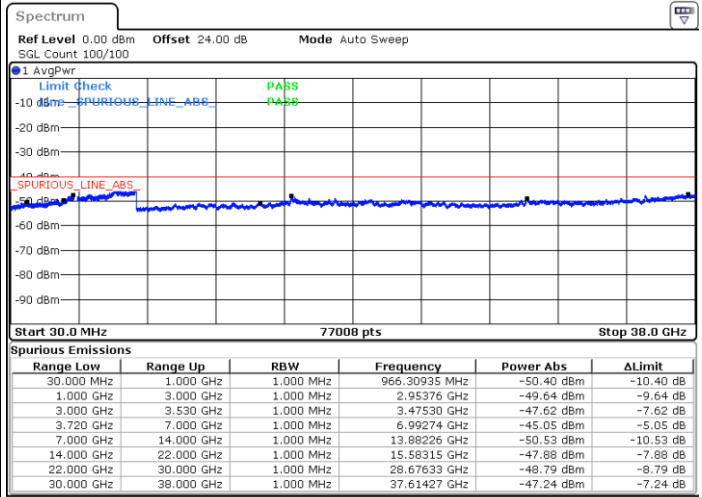
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



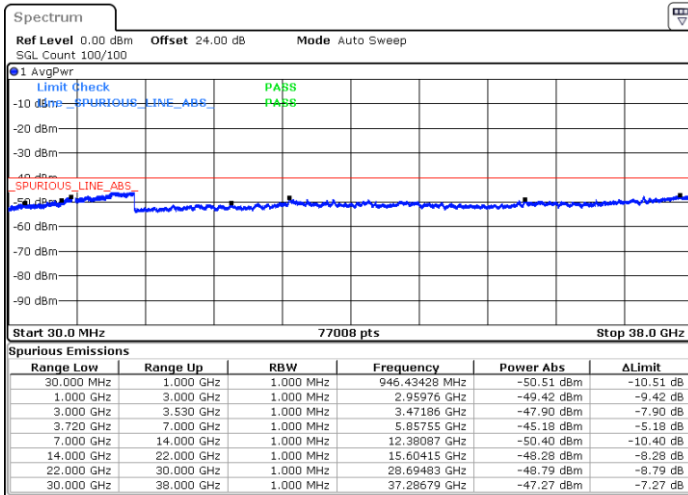
Date: 17.APR.2020 00:56:26



Date: 17.APR.2020 01:14:27

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 01:05:26

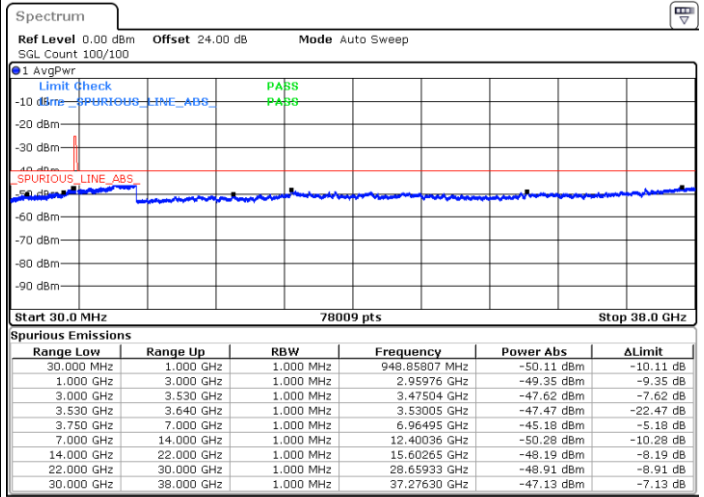
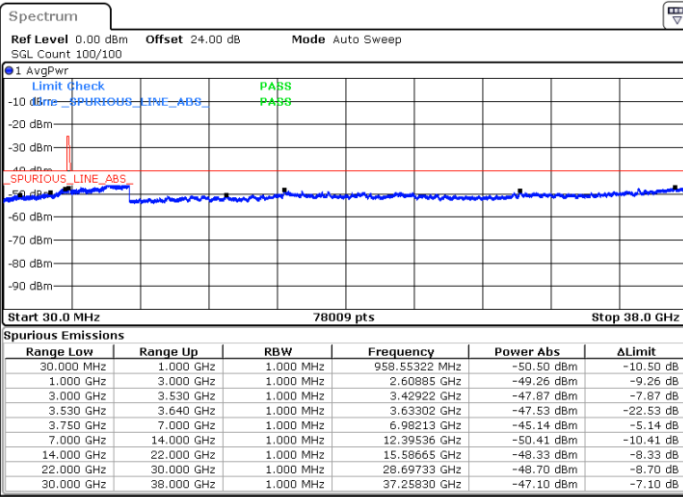


LTE Band 48 / 10MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

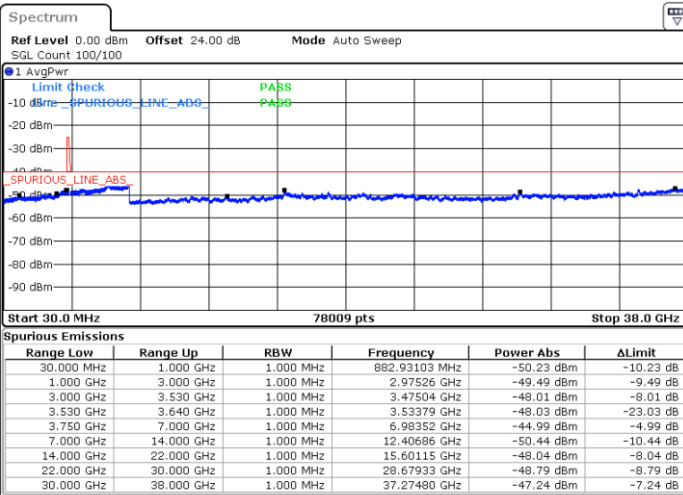


Date: 17.APR.2020 00:57:26

Date: 17.APR.2020 01:15:27

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 01:06:26

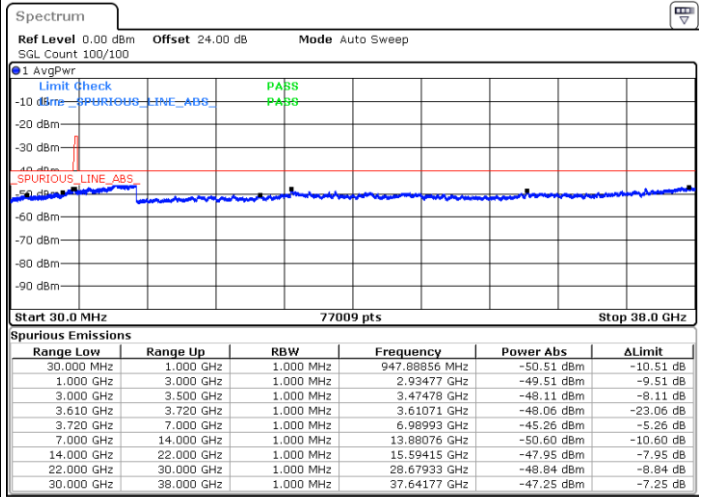
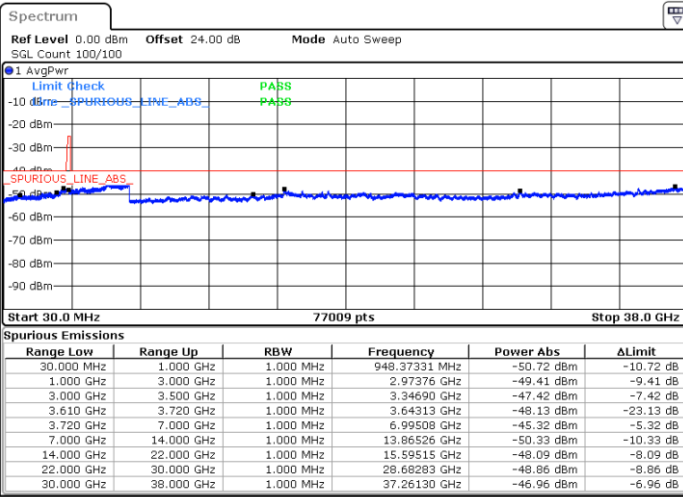


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

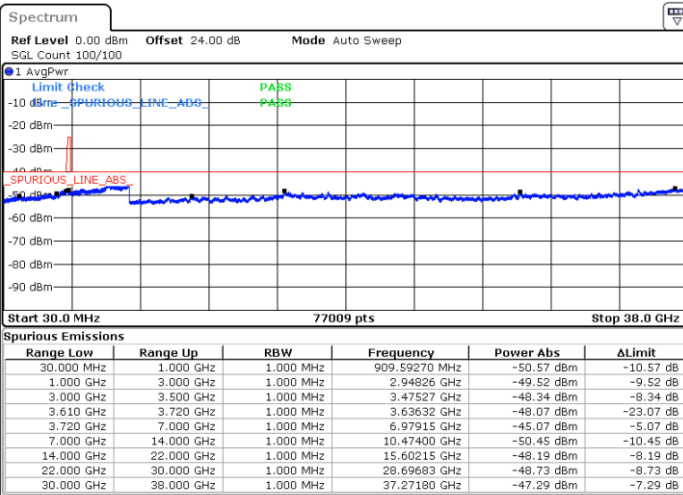


Date: 17.APR.2020 01:20:29

Date: 17.APR.2020 01:38:30

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 01:29:29

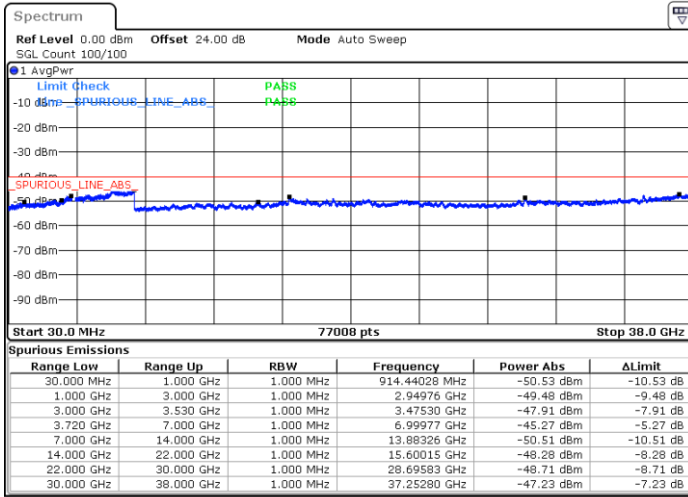


LTE Band 48 / 15MHz

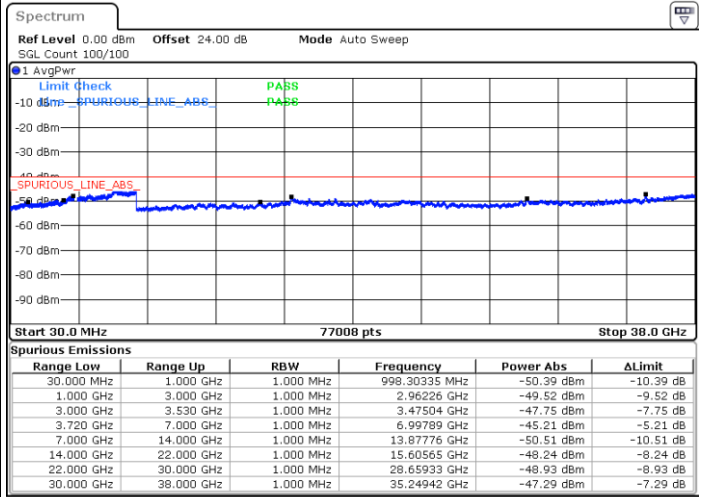
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



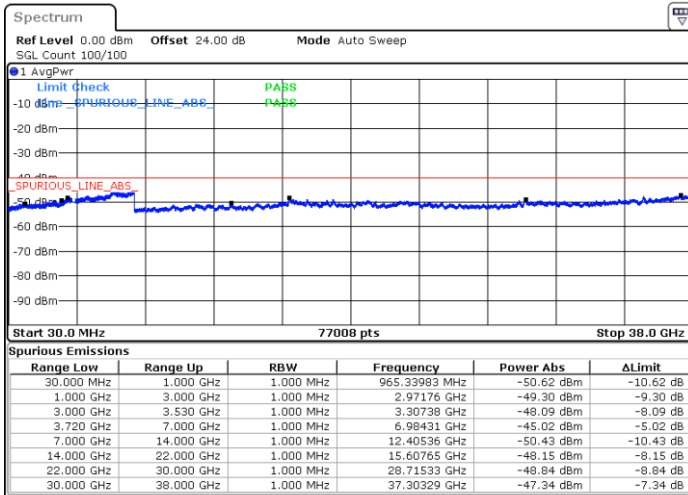
Date: 17.APR.2020 01:21:29



Date: 17.APR.2020 01:39:29

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 01:30:29

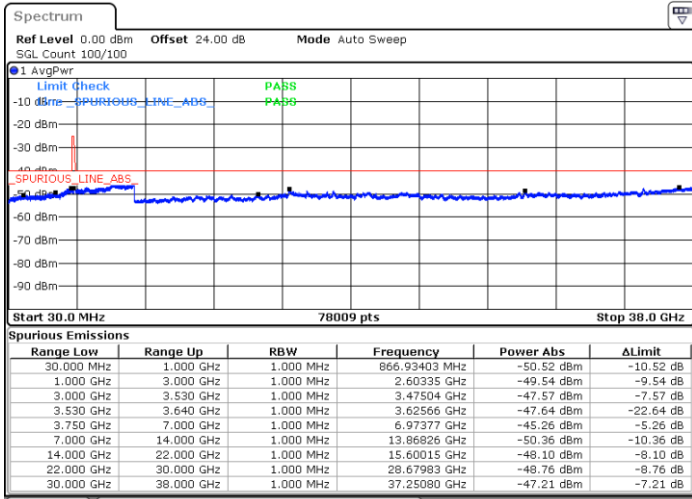


LTE Band 48 / 15MHz

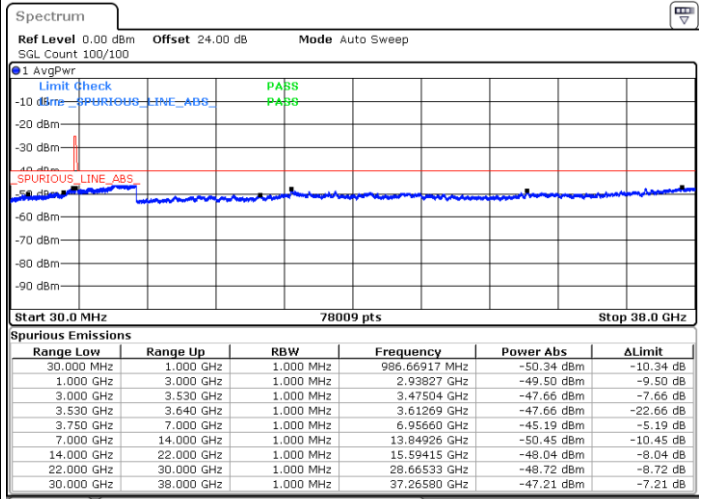
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



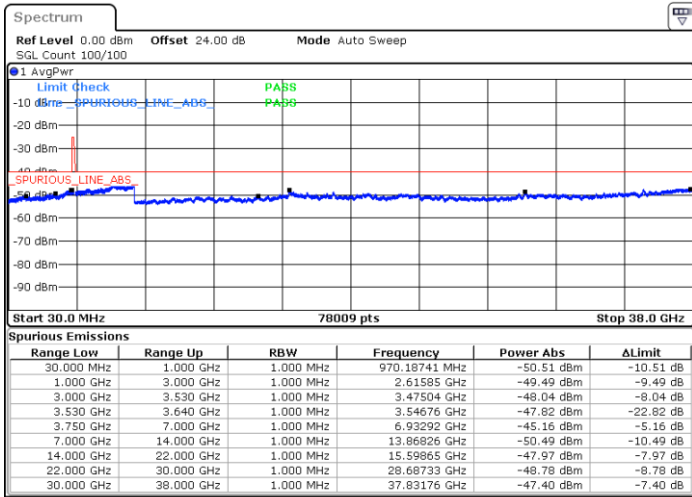
Date: 17.APR.2020 01:26:28



Date: 17.APR.2020 01:44:29

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 01:35:29

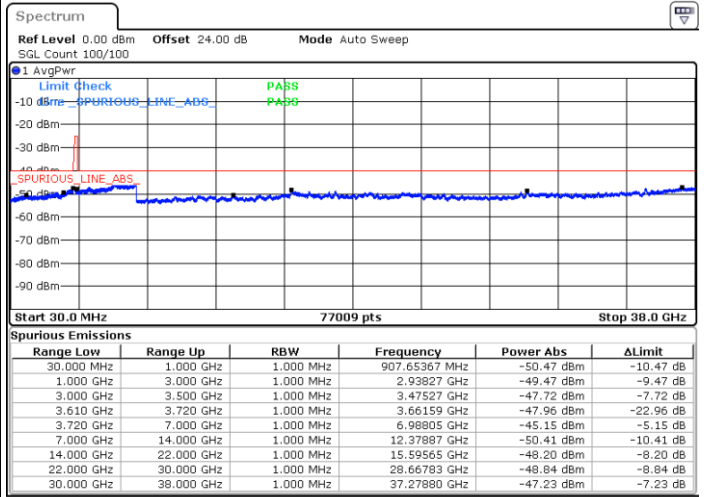
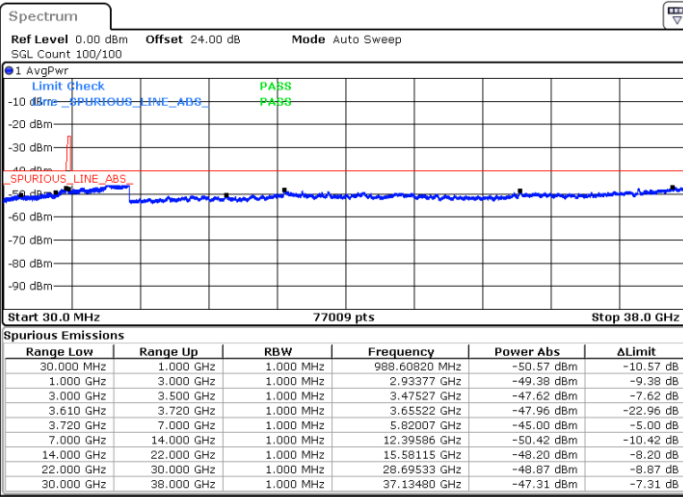


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

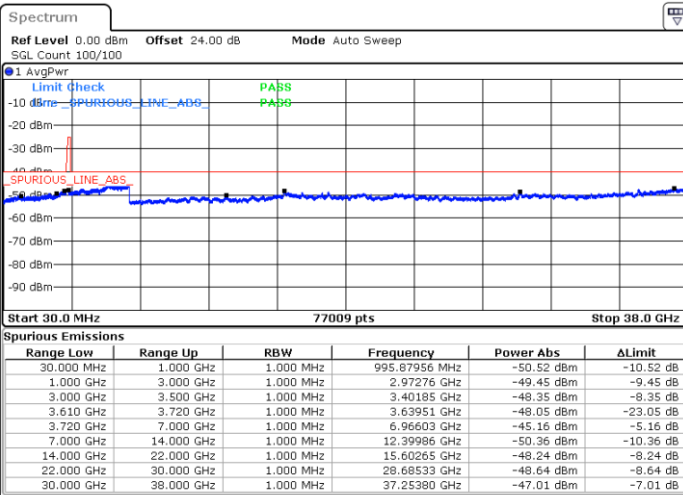


Date: 17.APR.2020 01:54:30

Date: 17.APR.2020 02:03:31

Lowest Channel / FullIRB

N/A



Date: 17.APR.2020 01:45:29

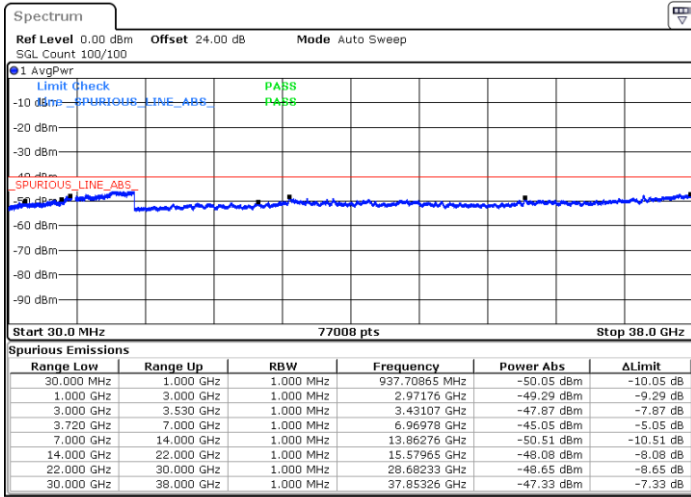


LTE Band 48 / 20MHz

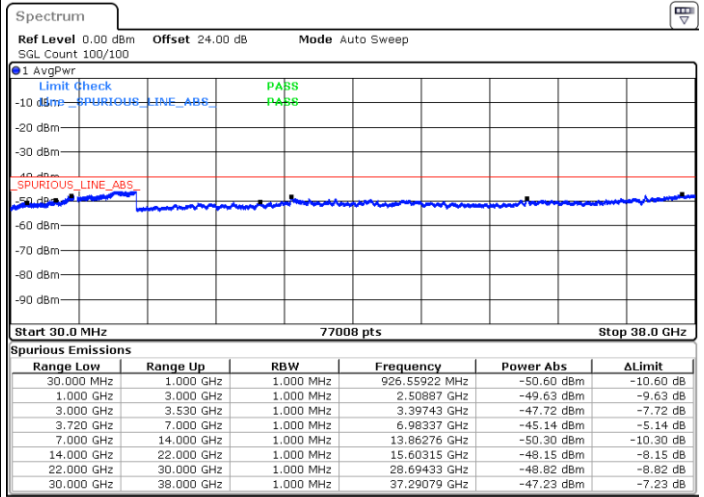
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



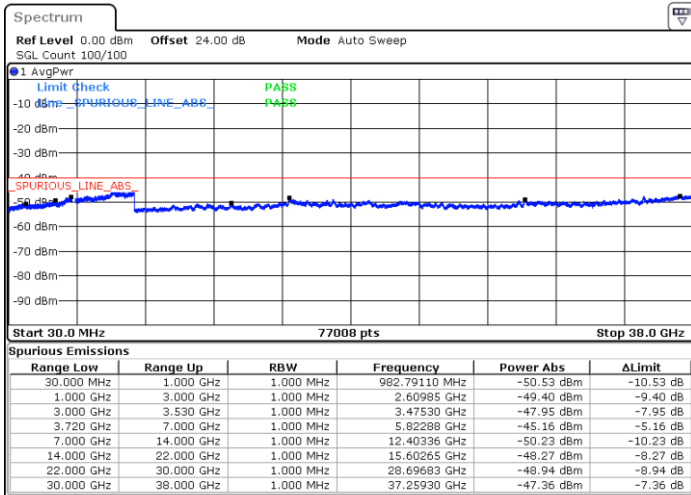
Date: 17.APR.2020 01:59:30



Date: 17.APR.2020 02:08:30

Middle Channel / FullIRB

N/A



Date: 17.APR.2020 01:50:29

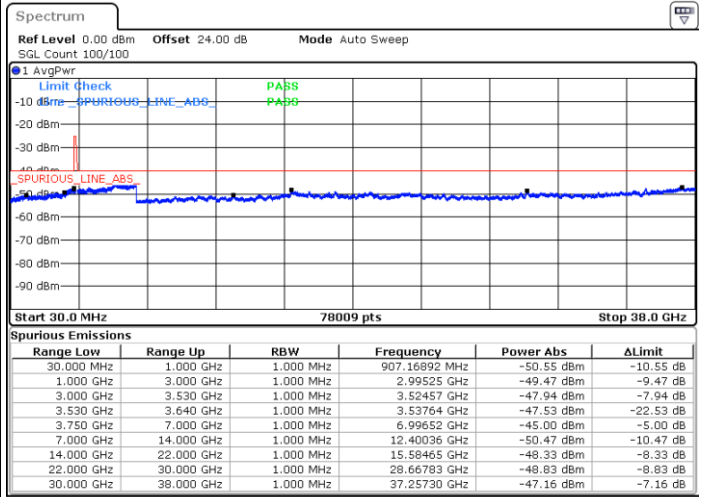
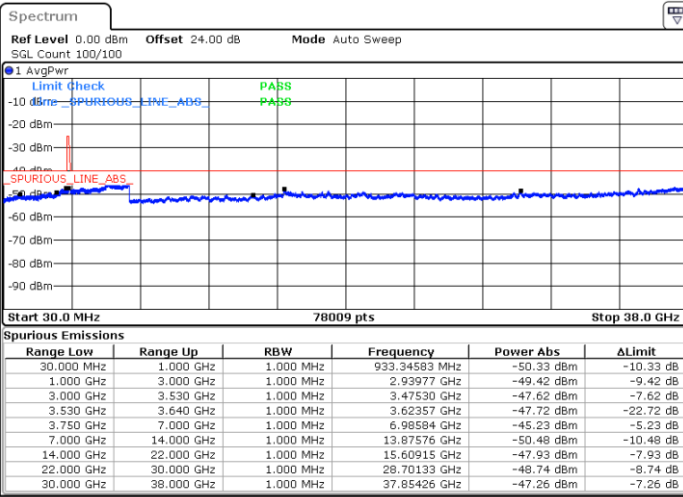


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

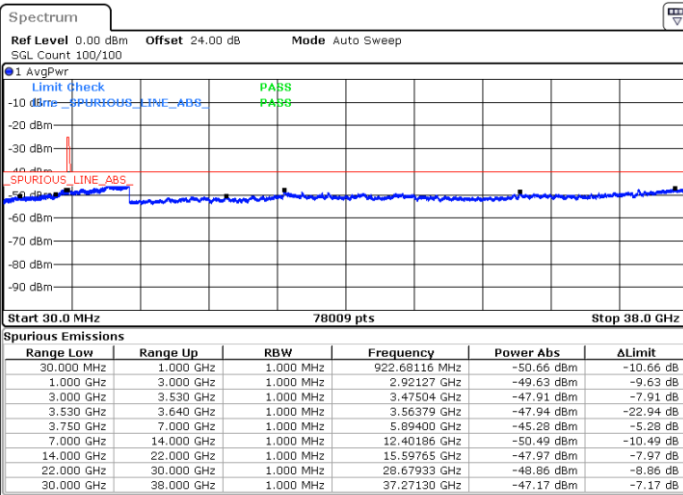


Date: 17.APR.2020 02:00:30

Date: 17.APR.2020 02:09:31

Highest Channel / FullIRB

N/A



Date: 17.APR.2020 01:51:29



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	0.0000	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =110 V. ; Battery End Point (BEP) =100 V. ; Maximum Voltage =120 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



EIRP Power Density

Mode	LTE Band 48 : Conducted Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	14.79	14.56	13.22	11.79	10.42	9.91	10.13	8.37
Middle CH	-	-	-	-	14.66	13.81	12.51	10.89	10.83	9.26	9.21	8.71
Highest CH	-	-	-	-	15.71	13.80	13.41	11.88	10.97	10.62	10.86	10.16

Mode	LTE Band 48 : Conducted Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	13.43	-	11.15	-	8.26	-	7.63	-
Middle CH	-	-	-	-	12.35	-	10.53	-	8.48	-	7.85	-
Highest CH	-	-	-	-	13.88	-	11.37	-	9.85	-	8.38	-

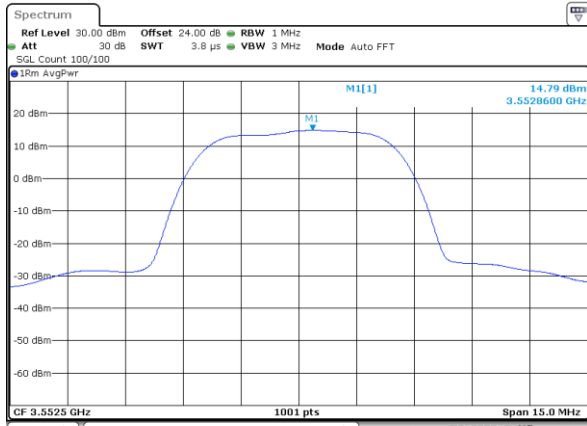
Mode	LTE Band 48 : EIRP Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	25.79	25.56	24.22	22.79	21.42	20.91	21.13	19.37
Middle CH	-	-	-	-	25.66	24.81	23.51	21.89	21.83	20.26	20.21	19.71
Highest CH	-	-	-	-	26.71	24.8	24.41	22.88	21.97	21.62	21.86	21.16

Mode	LTE Band 48 : EIRP Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	24.43	-	22.15	-	19.26	-	18.63	-
Middle CH	-	-	-	-	23.35	-	21.53	-	19.48	-	18.85	-
Highest CH	-	-	-	-	24.88	-	22.37	-	20.85	-	19.38	-
Antenna Gain	11 dBi											
Limit	37dBm / MHz											
Result	Pass											



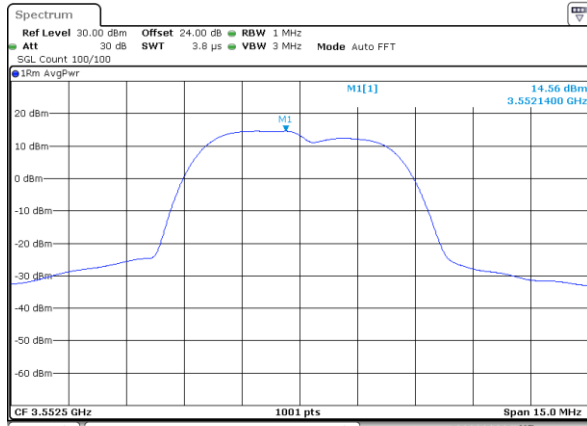
LTE Band 48 / 5MHz

Lowest Channel / 5MHz / Full / QPSK



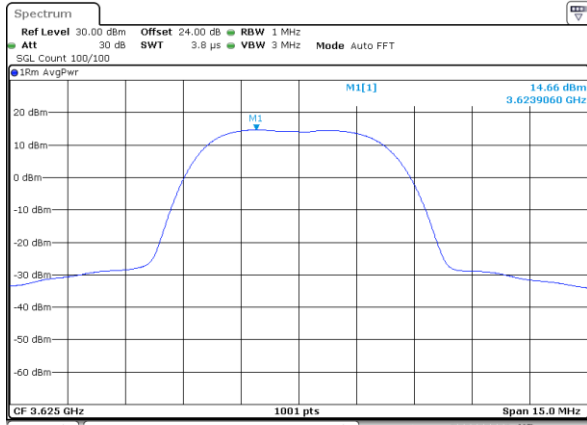
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Lowest Channel / 5MHz / Full / 16QAM



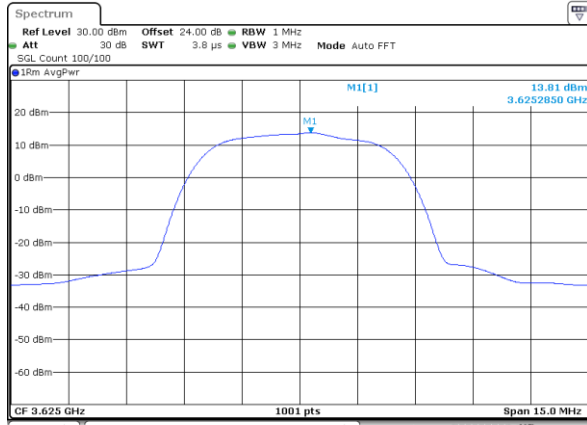
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Middle Channel / 5MHz / Full / QPSK



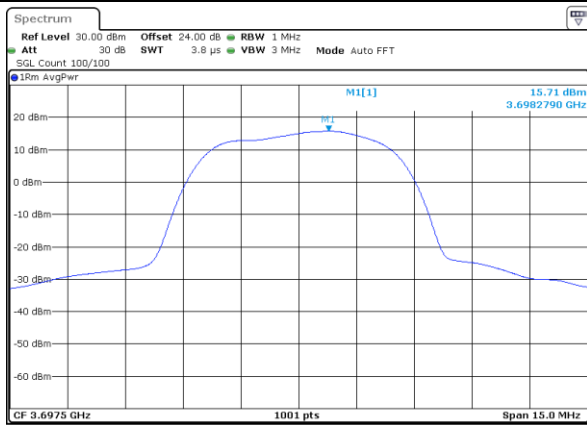
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Middle Channel / 5MHz / Full / 16QAM



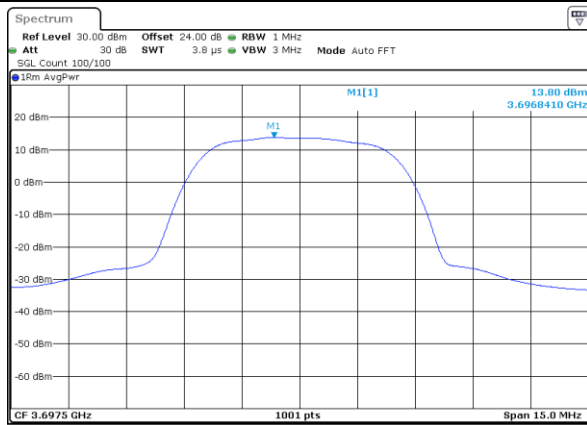
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Highest Channel / 5MHz / Full / QPSK



Date: 20.APR.2020 00:27:57

Highest Channel / 5MHz / Full / 16QAM

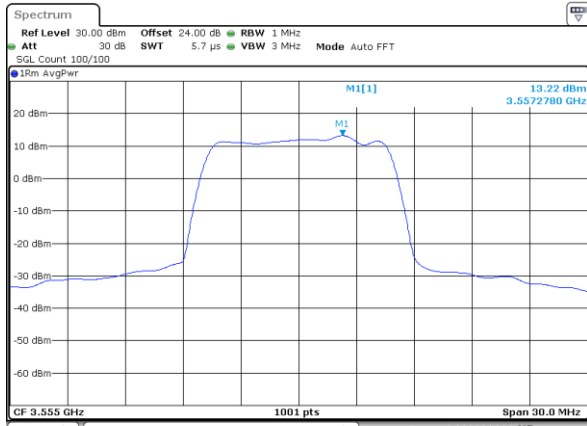


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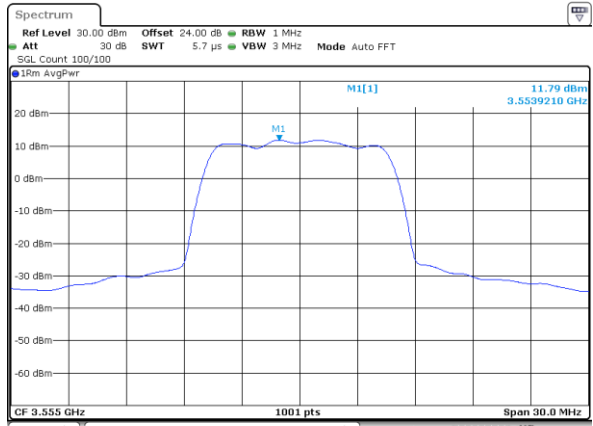
LTE Band 48 / 10MHz

Lowest Channel / 10MHz / Full / QPSK



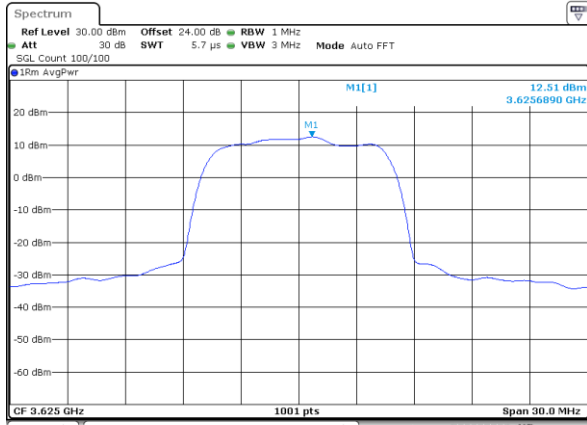
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Lowest Channel / 10MHz / Full / 16QAM



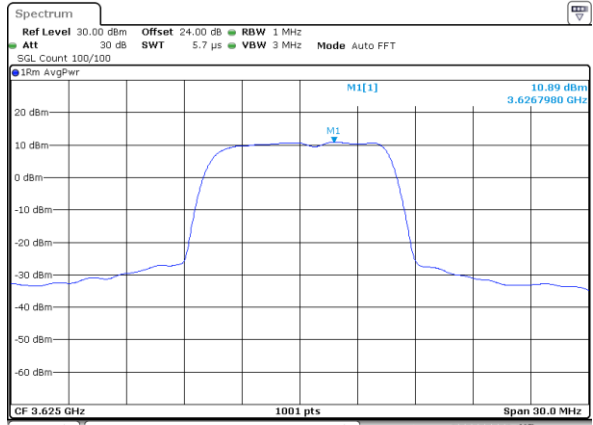
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Middle Channel / 10MHz / Full / QPSK



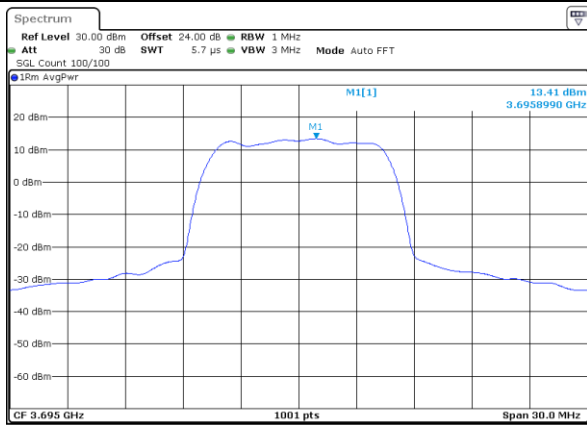
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Middle Channel / 10MHz / Full / 16QAM



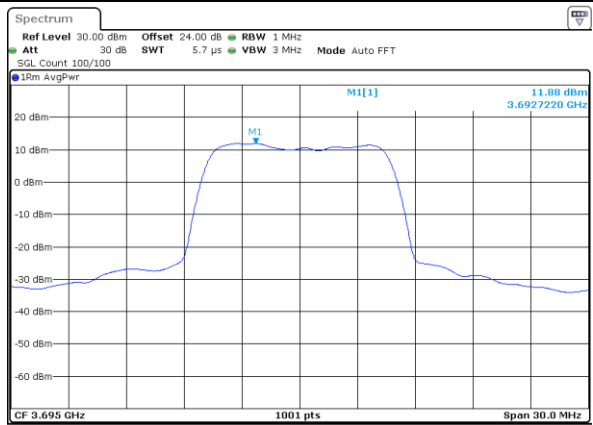
Date: 20.APR.2020 00:30:07

Highest Channel / 10MHz / Full / QPSK



Date: 20.APR.2020 00:31:20

Highest Channel / 10MHz / Full / 16QAM

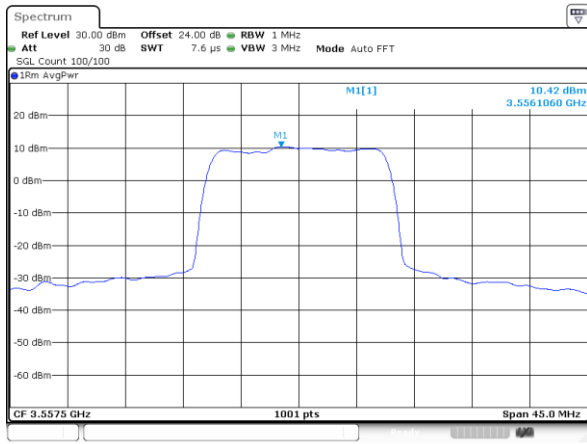


Date: 20.APR.2020 00:31:01



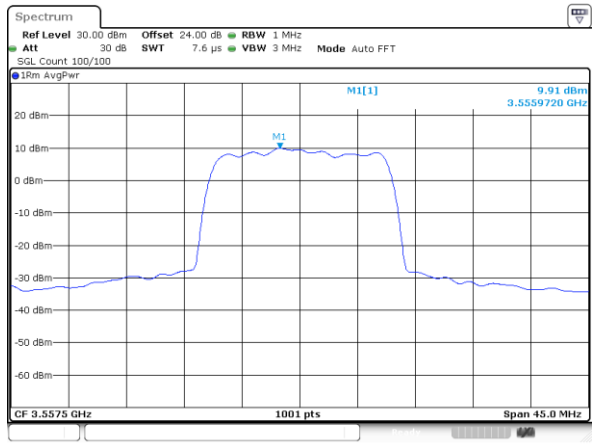
LTE Band 48 / 15MHz

Lowest Channel / 15MHz / Full / QPSK



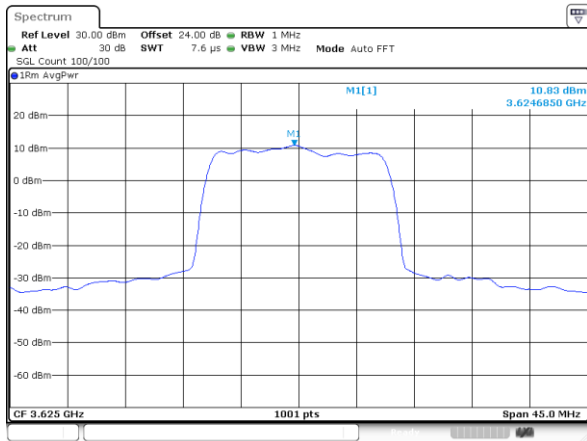
Date: 20.APR.2020 00:31:39

Lowest Channel / 15MHz / Full / 16QAM



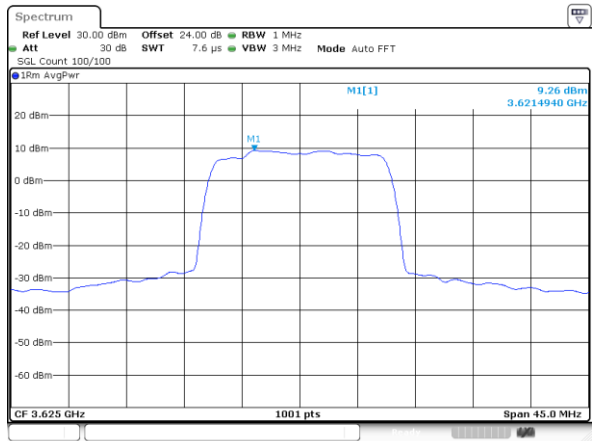
Date: 20.APR.2020 00:31:58

Middle Channel / 15MHz / Full / QPSK



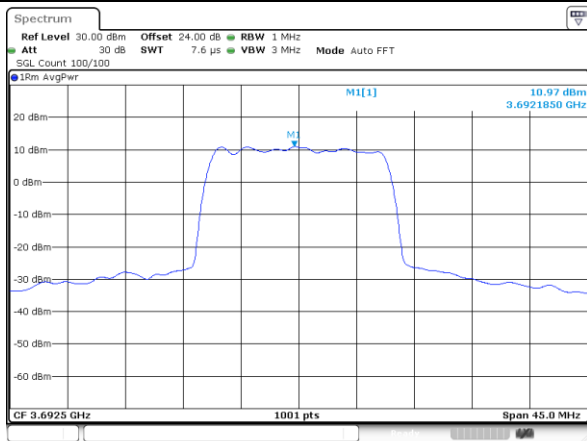
Date: 20.APR.2020 00:33:10

Middle Channel / 15MHz / Full / 16QAM



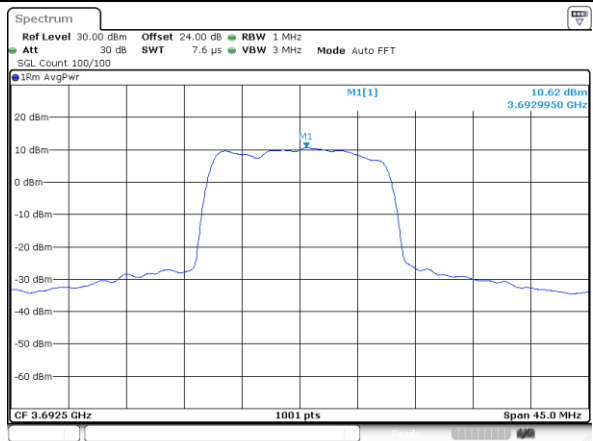
Date: 20.APR.2020 00:32:52

Highest Channel / 15MHz / Full / QPSK



Date: 20.APR.2020 00:33:28

Highest Channel / 15MHz / Full / 16QAM

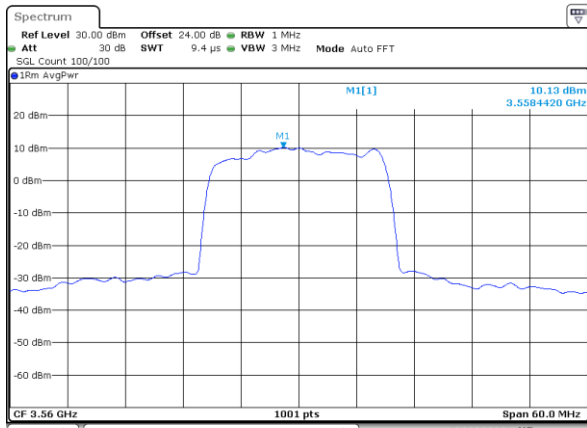


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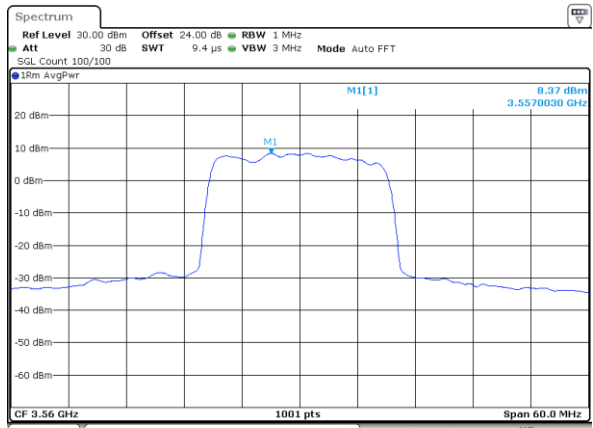
LTE Band 48 / 20MHz

Lowest Channel / 20MHz / Full / QPSK



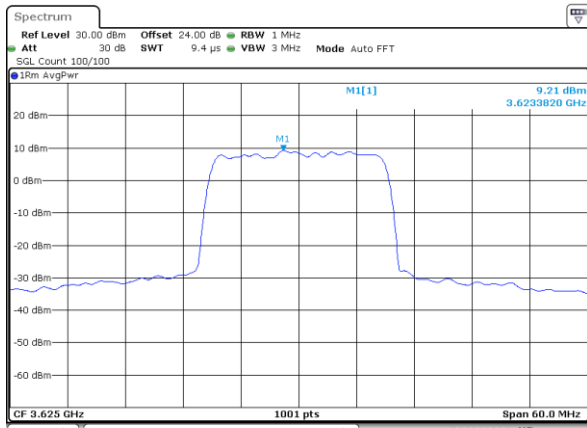
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Lowest Channel / 20MHz / Full / 16QAM



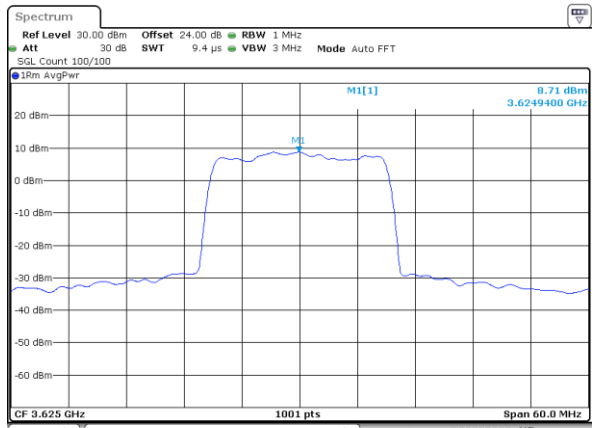
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Middle Channel / 20MHz / Full / QPSK



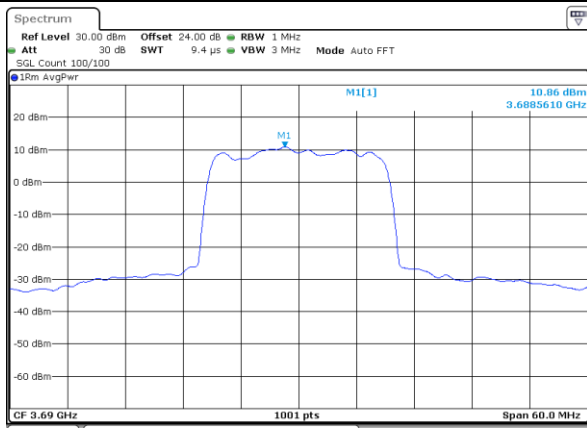
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Middle Channel / 20MHz / Full / 16QAM



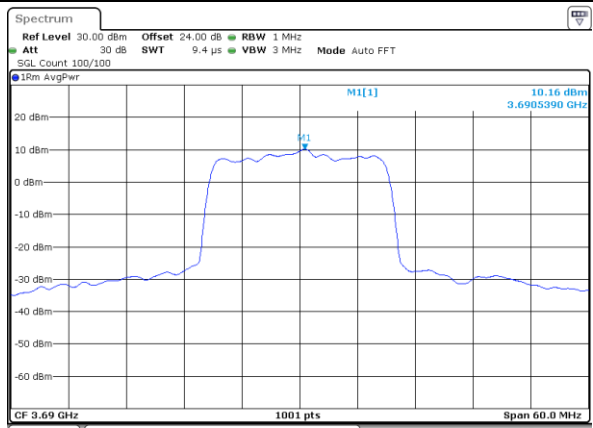
Date: 20.APR.2020 00:35:38

Highest Channel / 20MHz / Full / QPSK



Date: 20.APR.2020 00:36:51

Highest Channel / 20MHz / Full / 16QAM



Date: 20.APR.2020 00:36:32