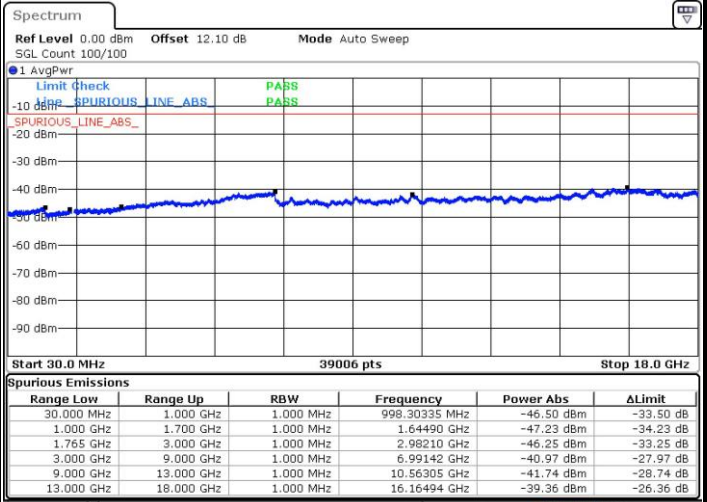
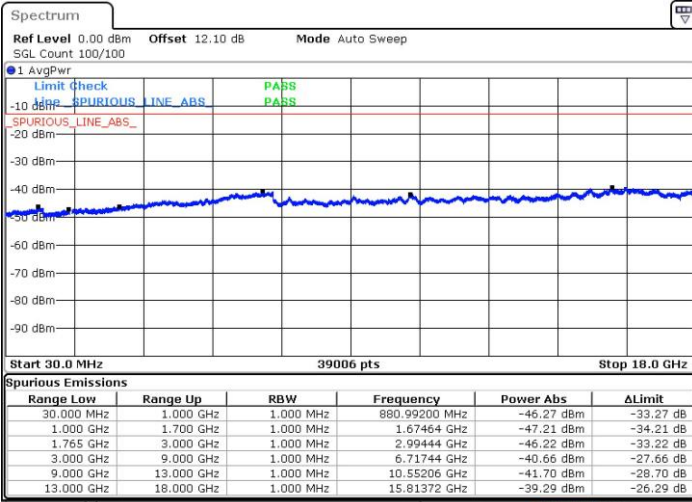




LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

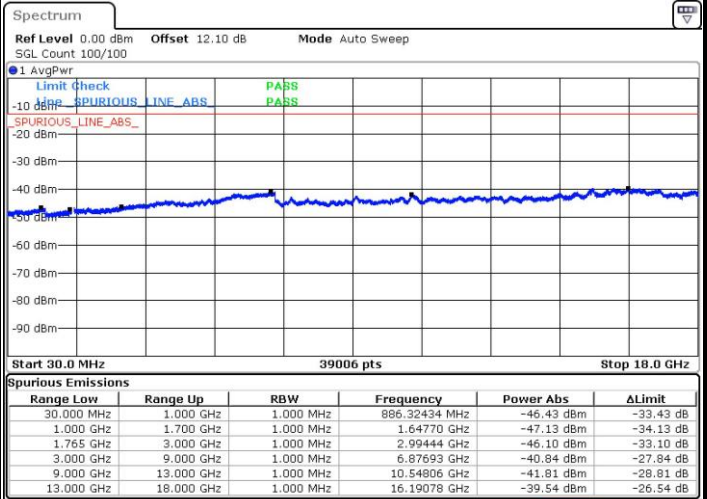
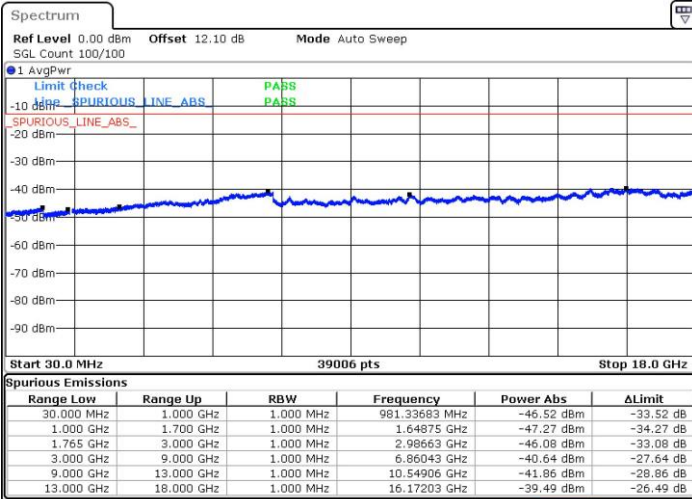


Date: 1.MAR.2019 00:05:44

Date: 1.MAR.2019 00:06:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.MAR.2019 00:12:31

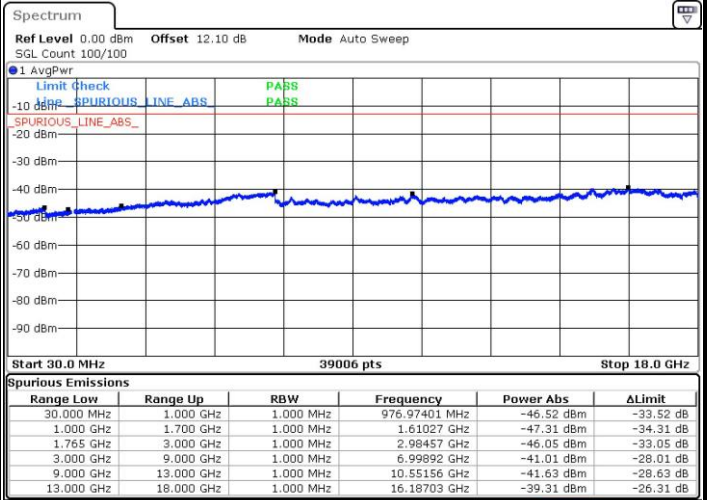
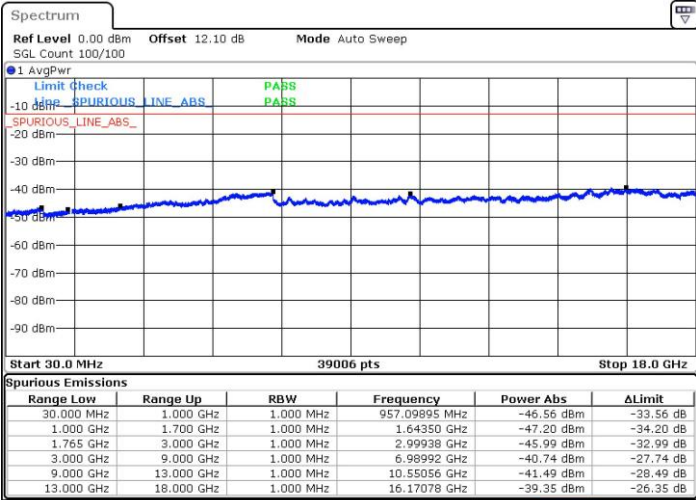
Date: 1.MAR.2019 00:13:32



LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

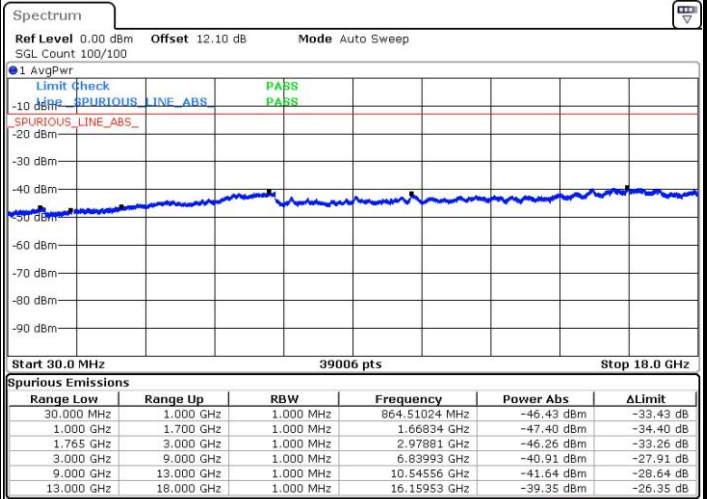
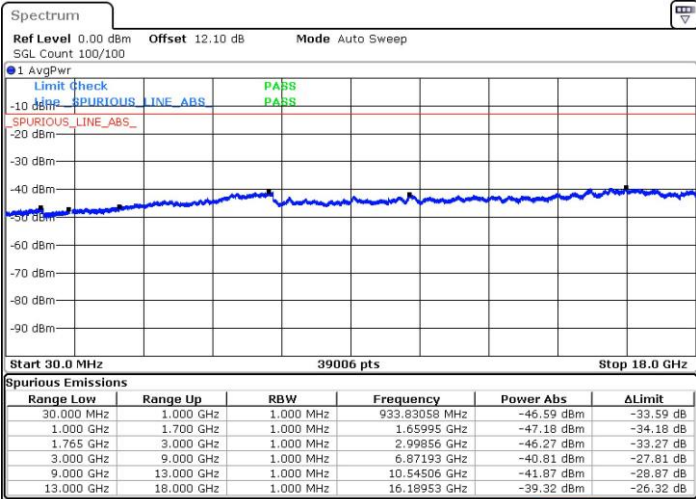


Date: 1.MAR.2019 00:19:20

Date: 1.MAR.2019 00:20:21

Middle Channel / QPSK

Middle Channel / 16QAM



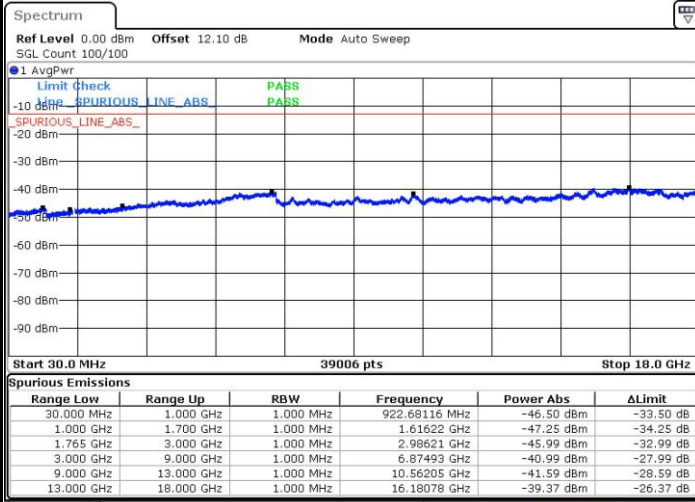
Date: 1.MAR.2019 00:22:08

Date: 1.MAR.2019 00:23:08



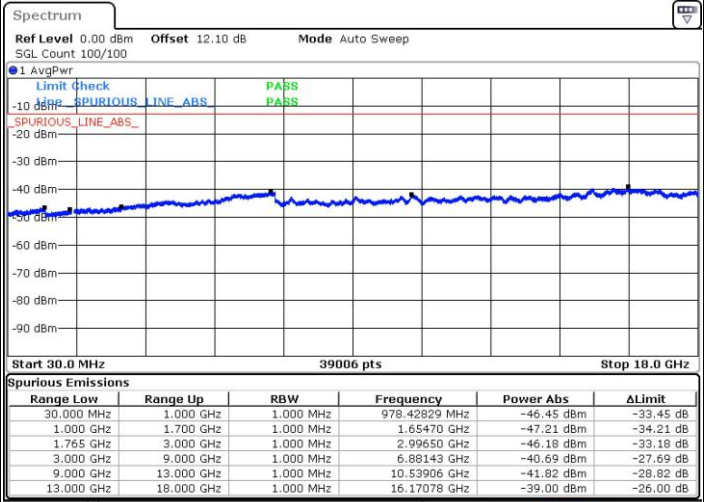
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 1.MAR.2019 00:28:55

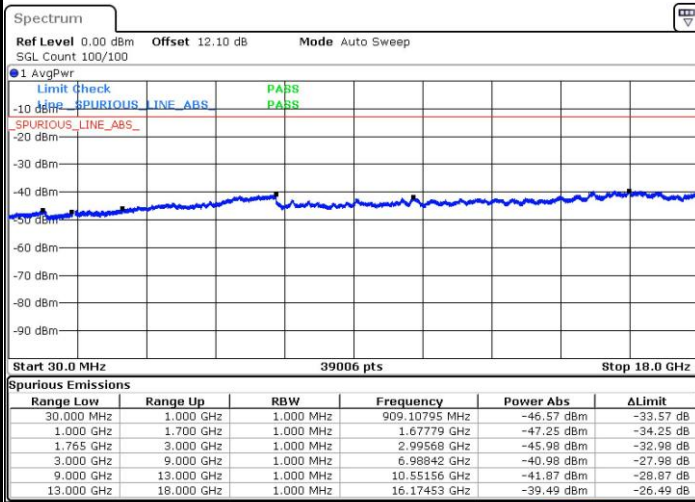
Highest Channel / 16QAM



Date: 1.MAR.2019 00:29:56

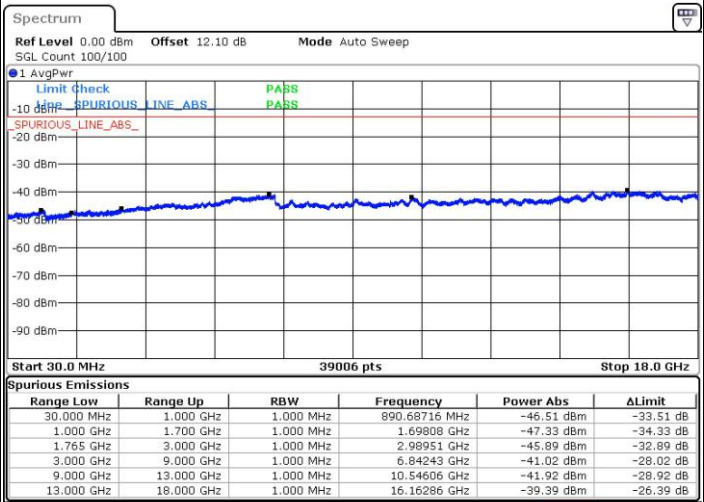
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 1.MAR.2019 00:35:43

Lowest Channel / 16QAM



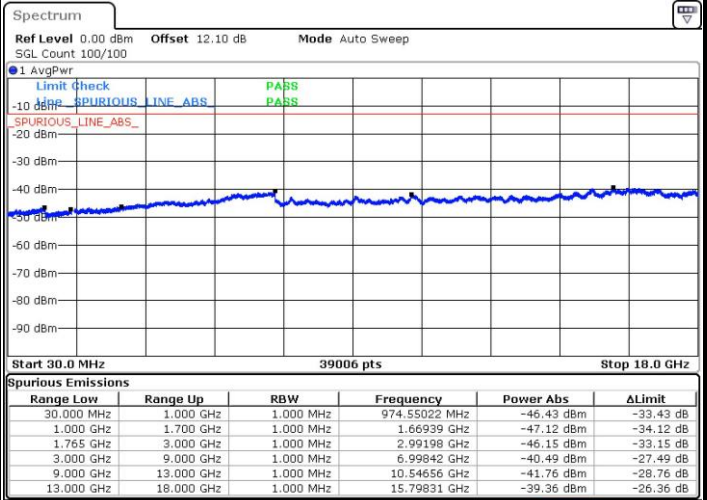
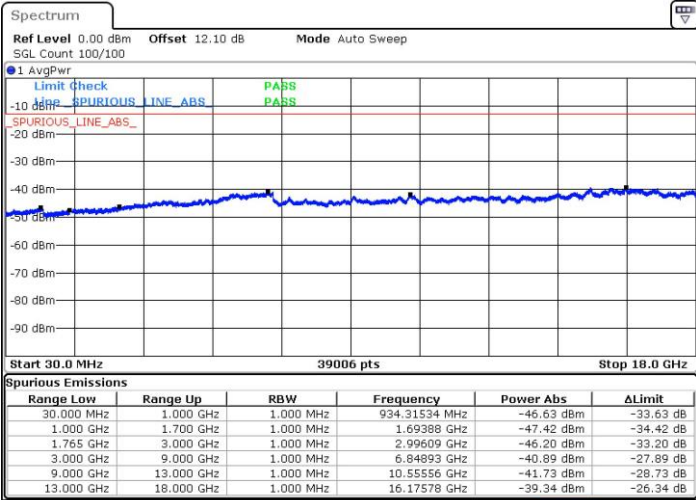
Date: 1.MAR.2019 00:36:44



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

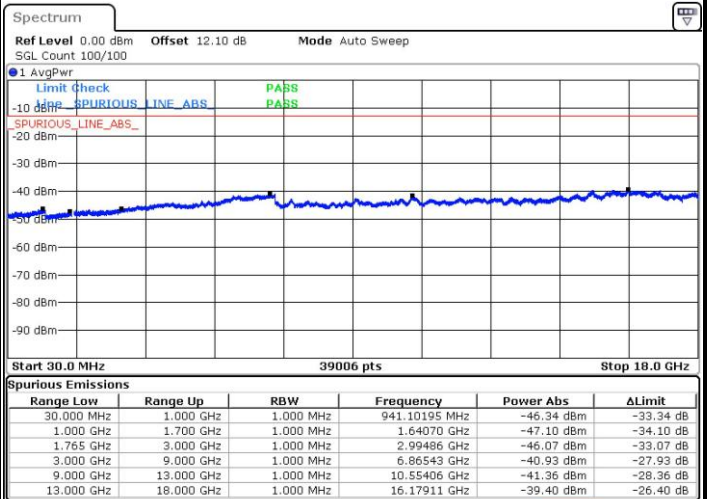
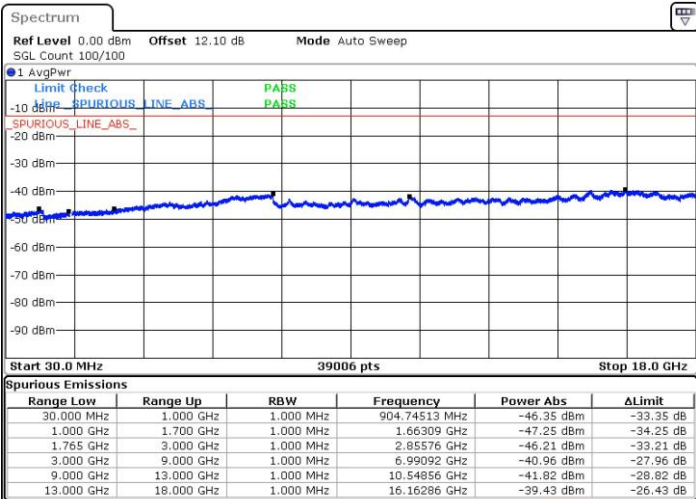


Date: 1.MAR.2019 00:38:31

Date: 1.MAR.2019 00:39:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.MAR.2019 00:45:18

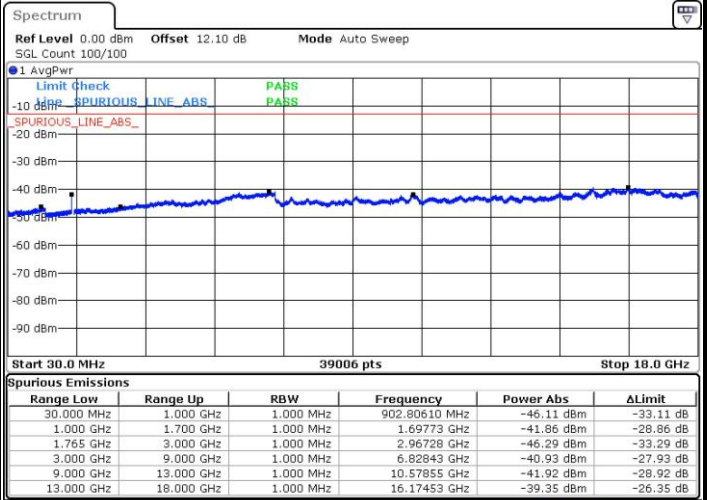
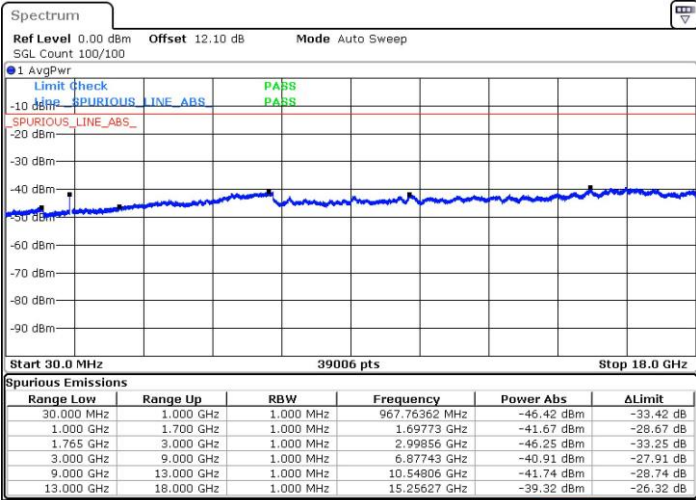
Date: 1.MAR.2019 00:46:20



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

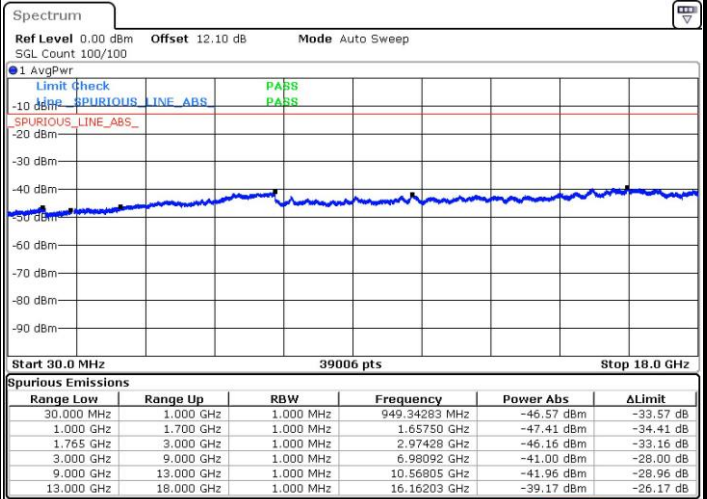
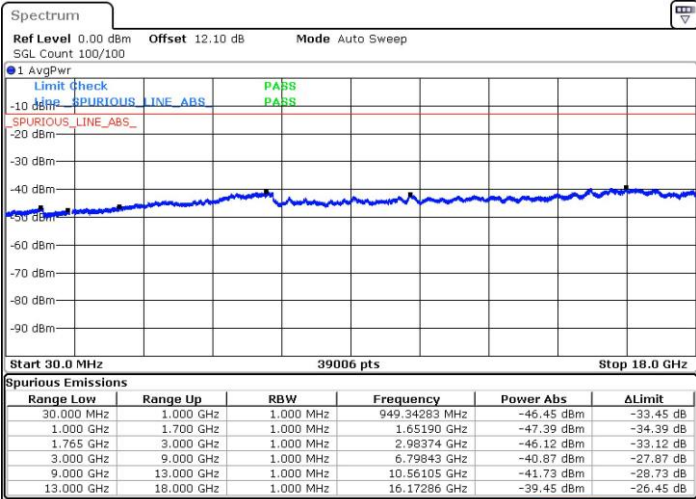


Date: 1.MAR.2019 00:52:07

Date: 1.MAR.2019 00:53:08

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 1.MAR.2019 00:54:55

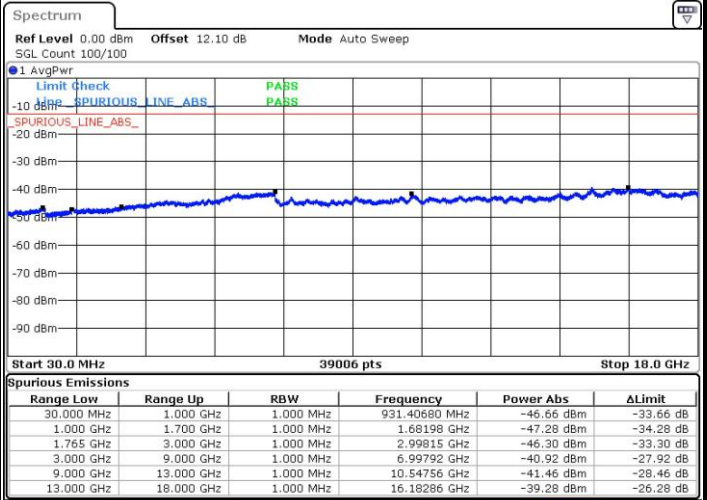
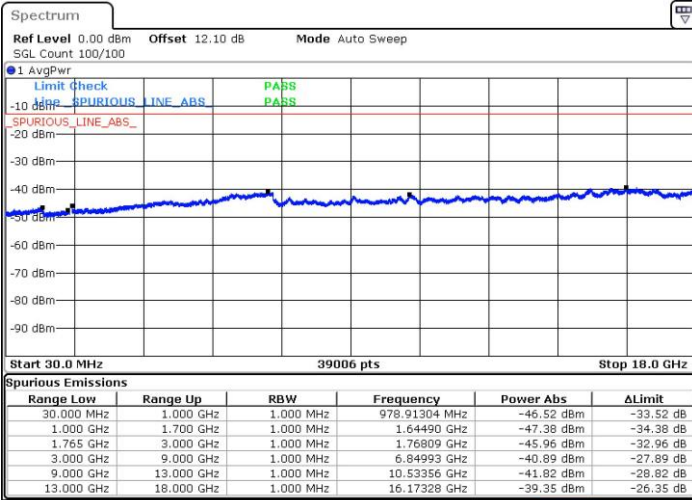
Date: 1.MAR.2019 00:55:56



LTE Band 4 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



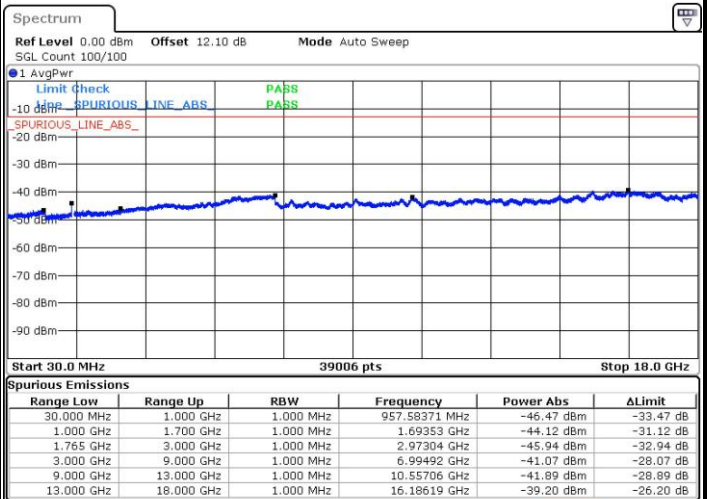
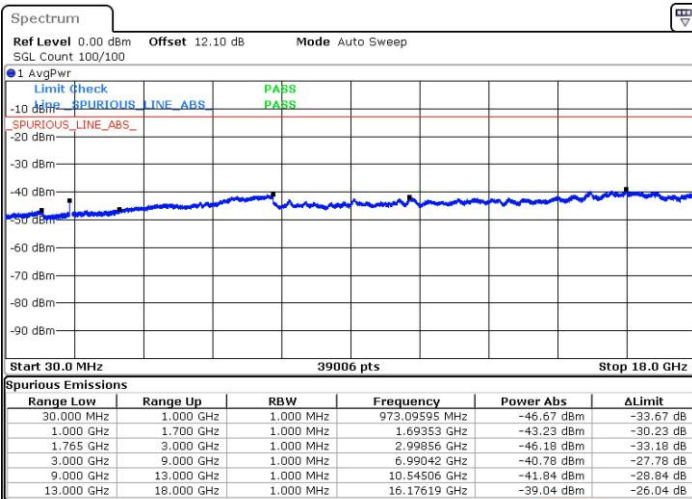
Date: 1.MAR.2019 01:01:43

Date: 1.MAR.2019 01:02:44

LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1.MAR.2019 01:08:33

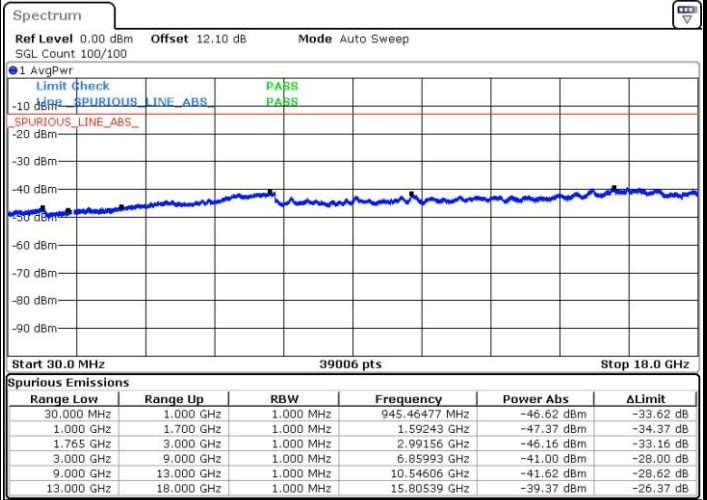
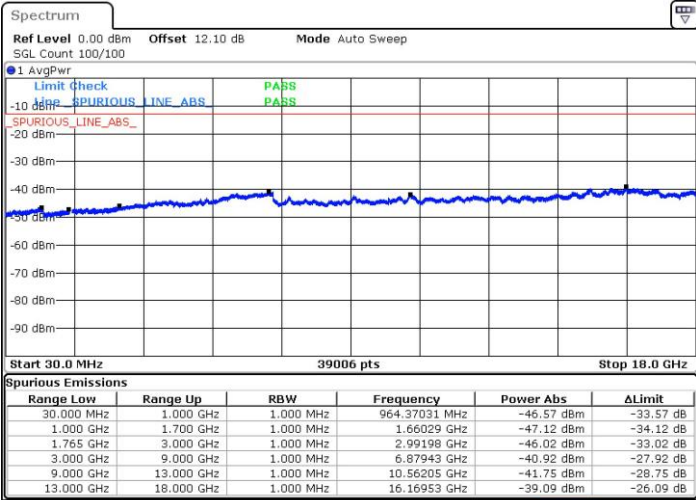
Date: 1.MAR.2019 01:09:34



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

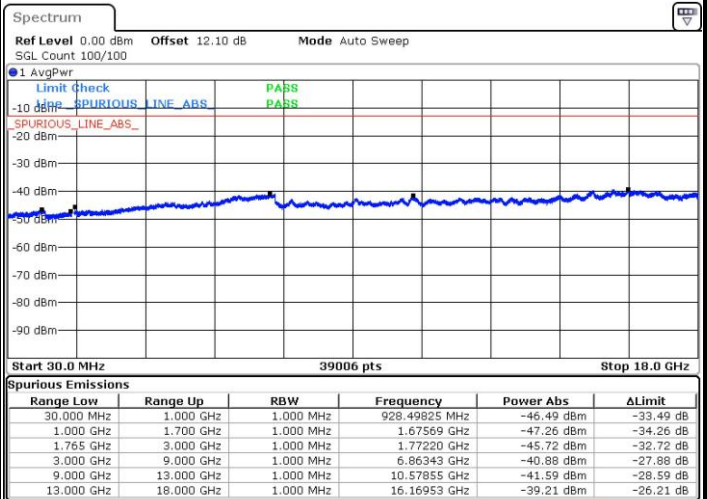
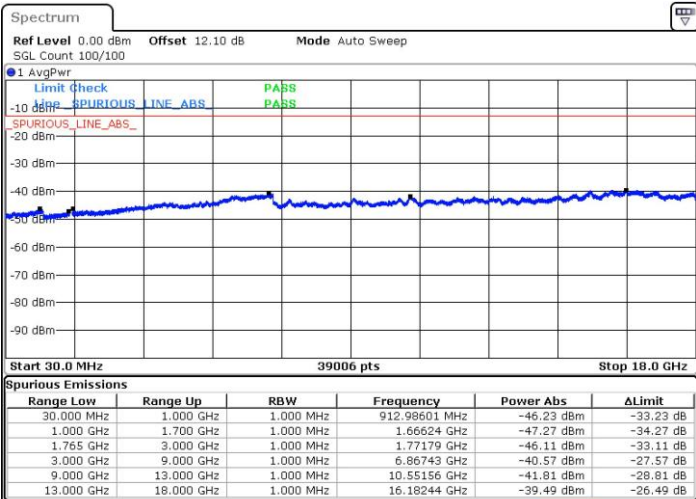


Date: 1.MAR.2019 01:11:21

Date: 1.MAR.2019 01:12:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.MAR.2019 01:18:14

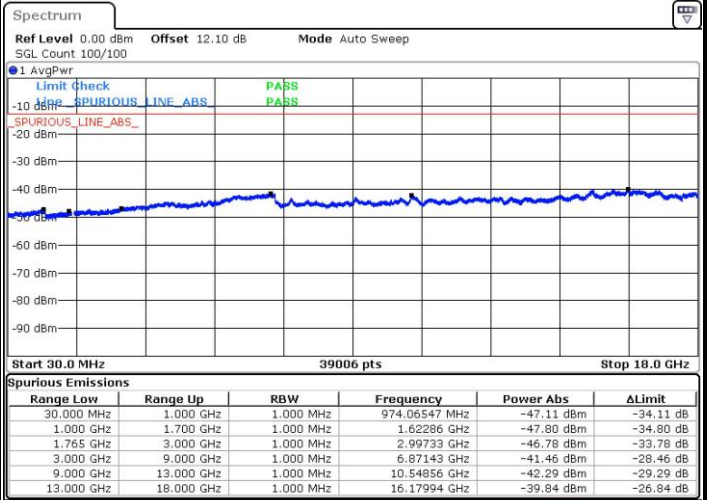
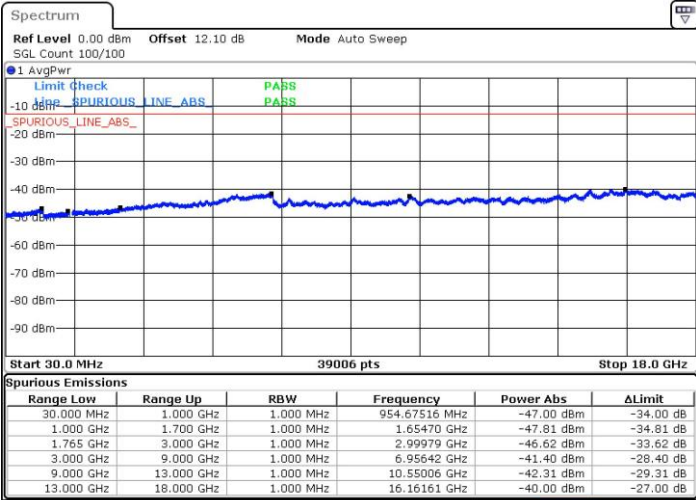
Date: 1.MAR.2019 01:19:15



LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM

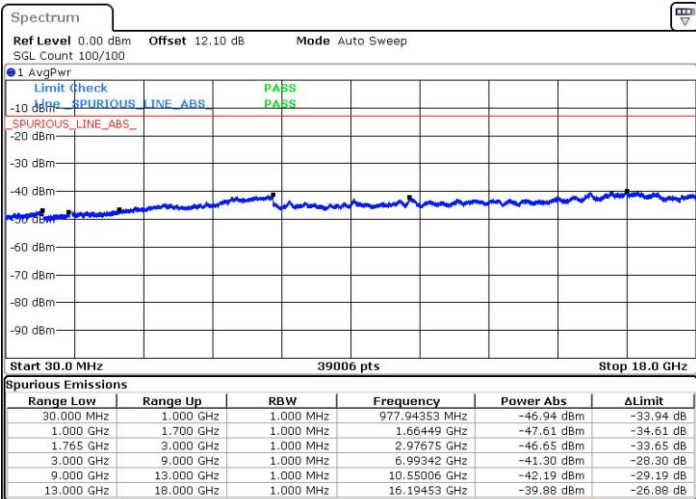
Middle Channel / 64QAM



Date: 1.MAR.2019 20:10:12

Date: 1.MAR.2019 20:11:35

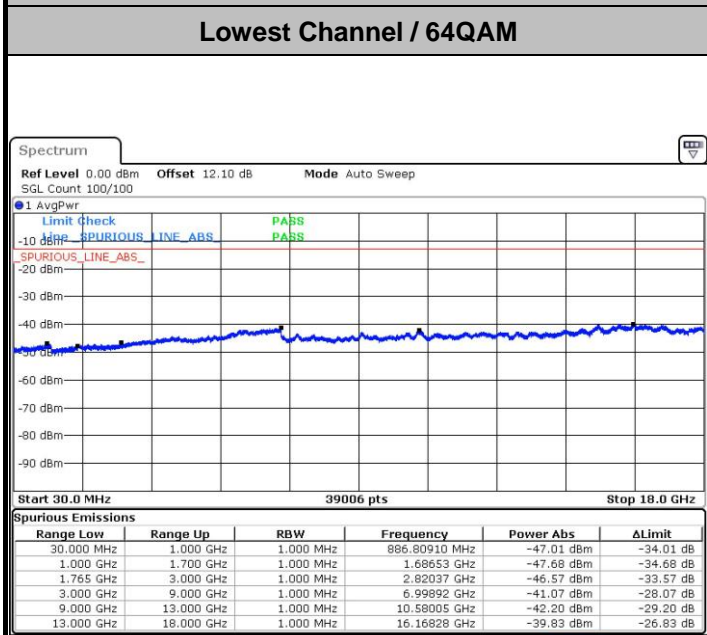
Highest Channel / 64QAM



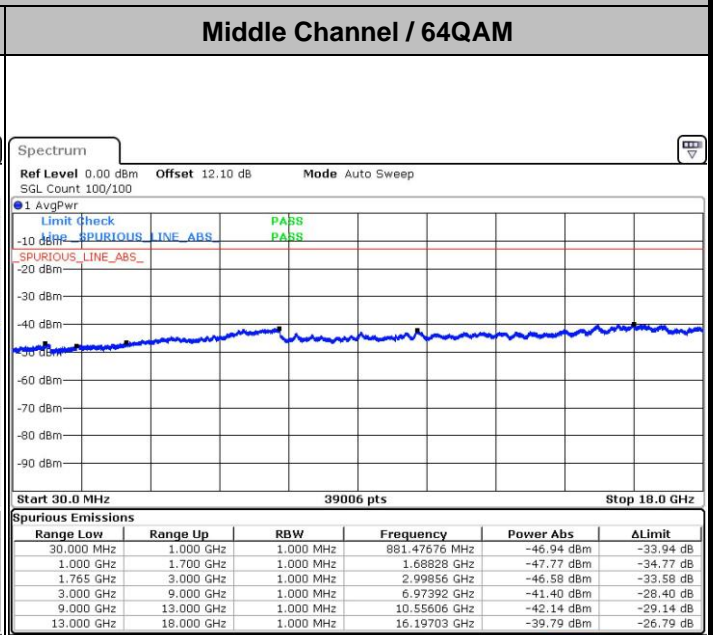
Date: 1.MAR.2019 20:15:00



LTE Band 4 / 3MHz

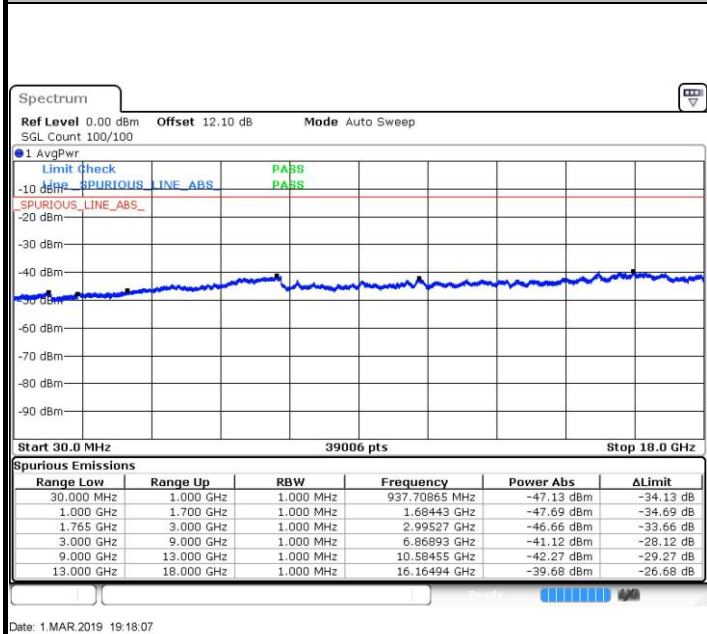


Date: 1.MAR.2019 19:13:26



Date: 1.MAR.2019 19:14:48

Highest Channel / 64QAM



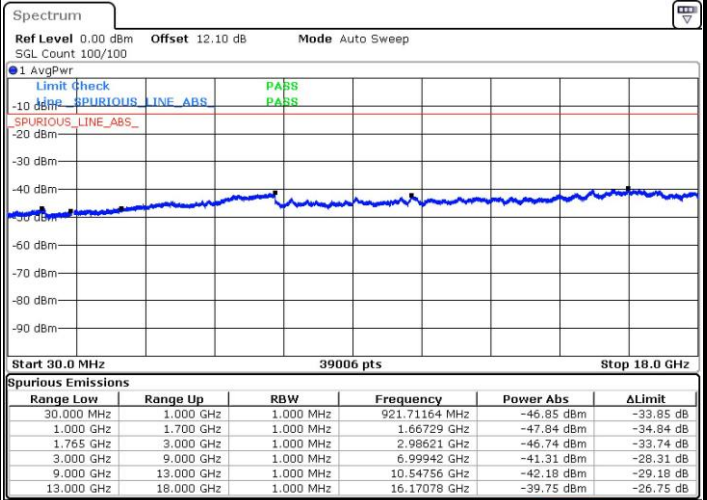
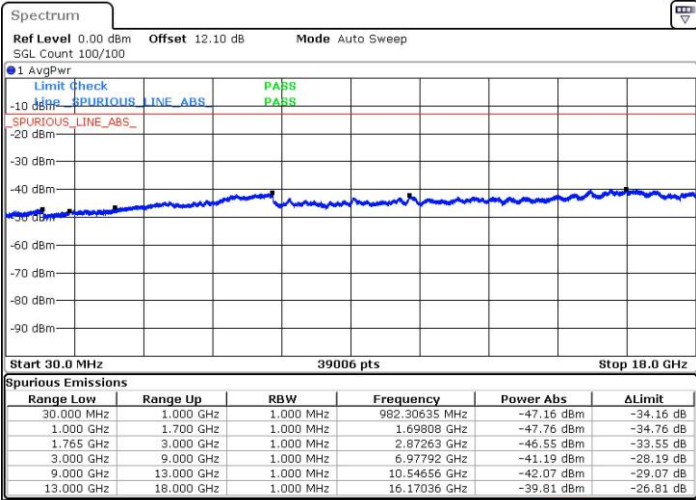
Date: 1.MAR.2019 19:18:07



LTE Band 4 / 5MHz

Lowest Channel / 64QAM

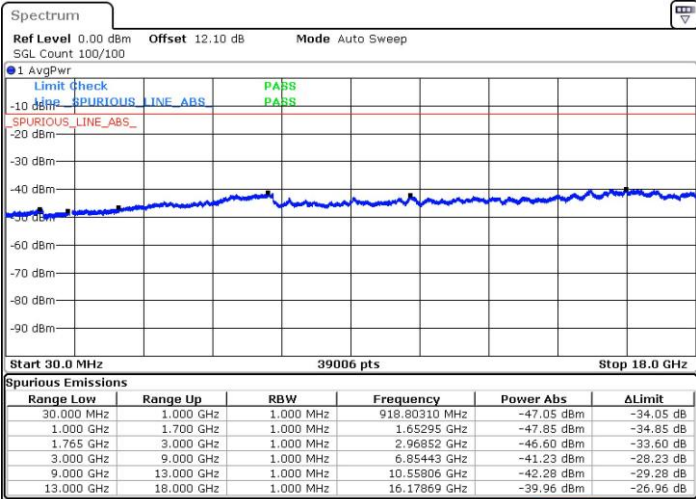
Middle Channel / 64QAM



Date: 1.MAR.2019 19:21:26

Date: 1.MAR.2019 19:22:48

Highest Channel / 64QAM



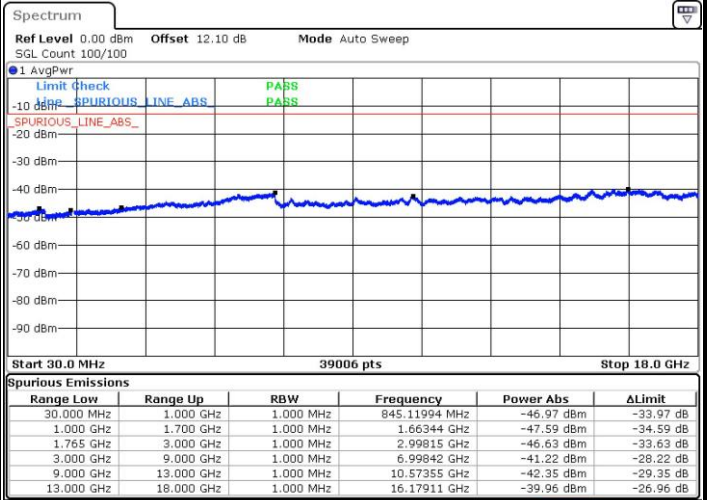
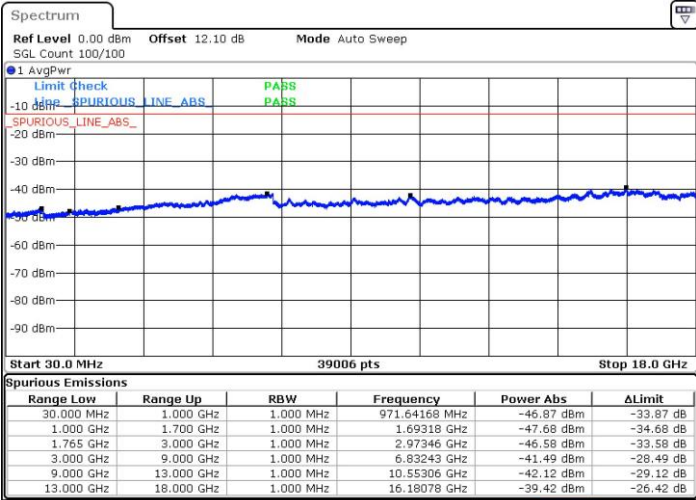
Date: 1.MAR.2019 19:26:08



LTE Band 4 / 10MHz

Lowest Channel / 64QAM

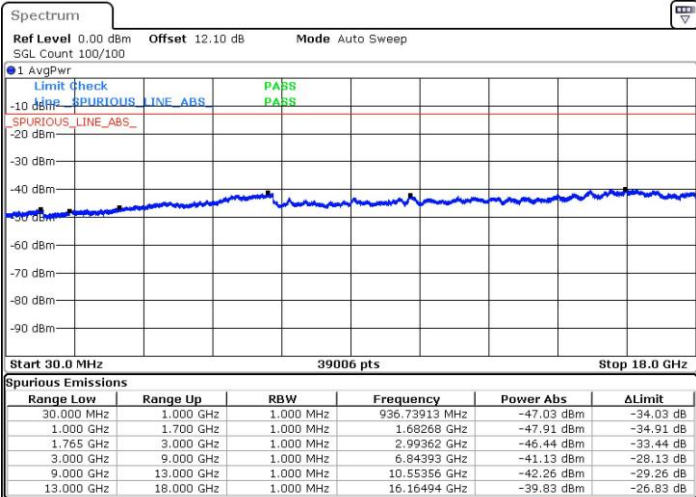
Middle Channel / 64QAM



Date: 1.MAR.2019 19:29:27

Date: 1.MAR.2019 19:30:49

Highest Channel / 64QAM



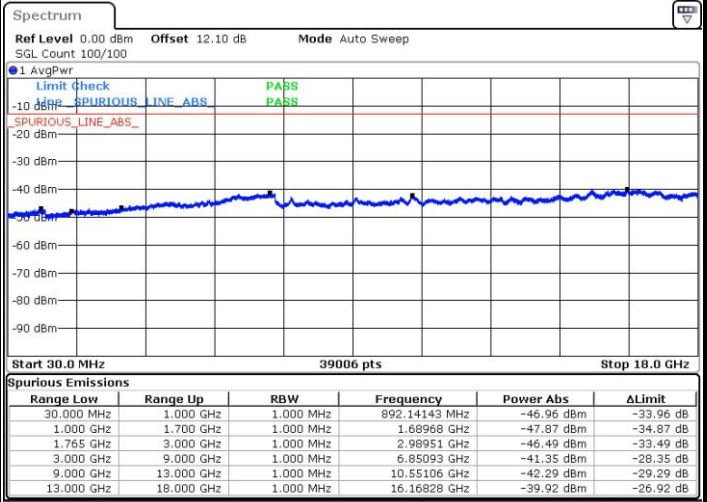
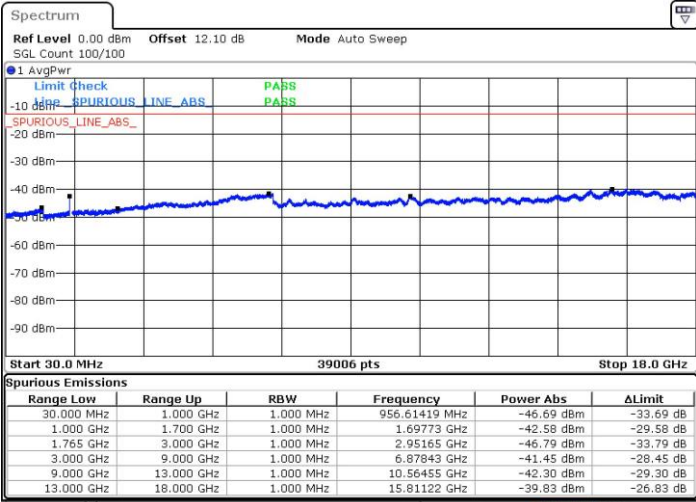
Date: 1.MAR.2019 19:34:09



LTE Band 4 / 15MHz

Lowest Channel / 64QAM

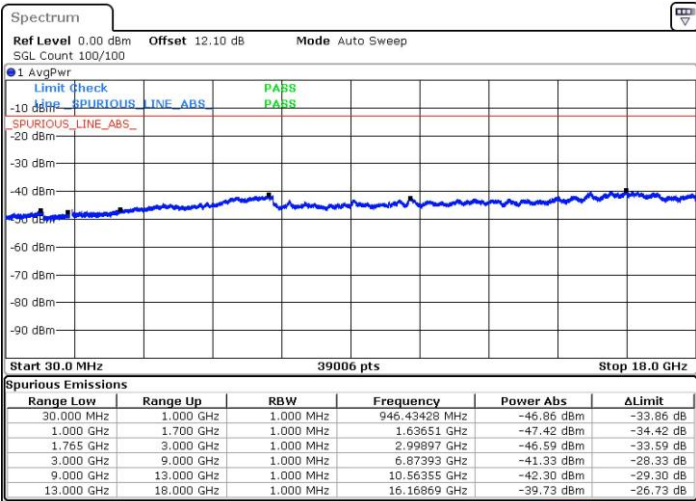
Middle Channel / 64QAM



Date: 1.MAR.2019 19:54:04

Date: 1.MAR.2019 19:55:27

Highest Channel / 64QAM



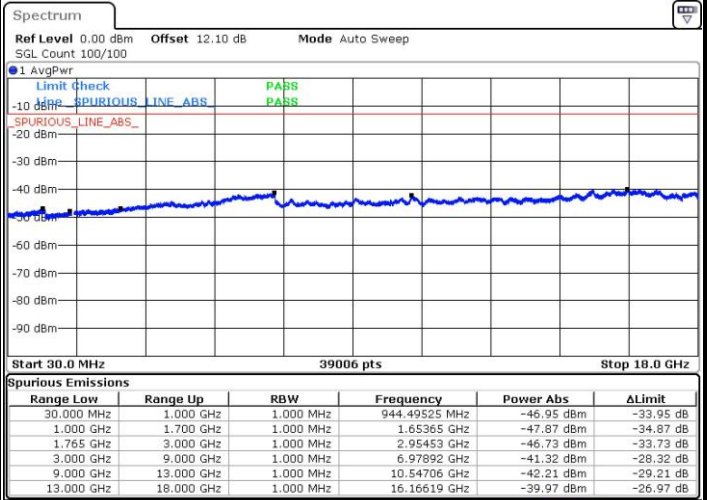
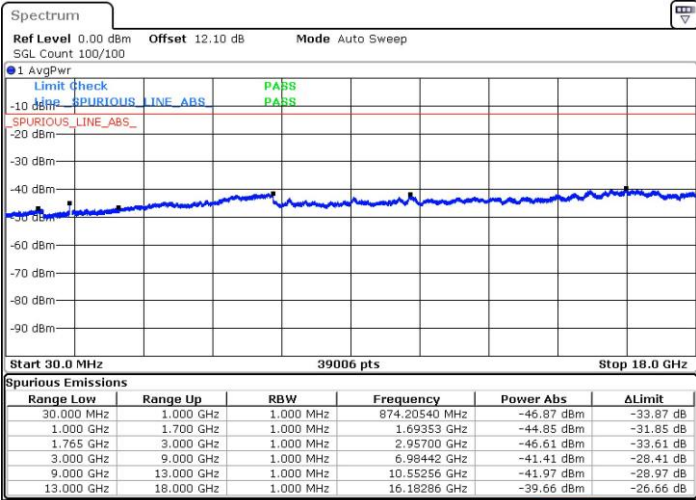
Date: 1.MAR.2019 19:58:46



LTE Band 4 / 20MHz

Lowest Channel / 64QAM

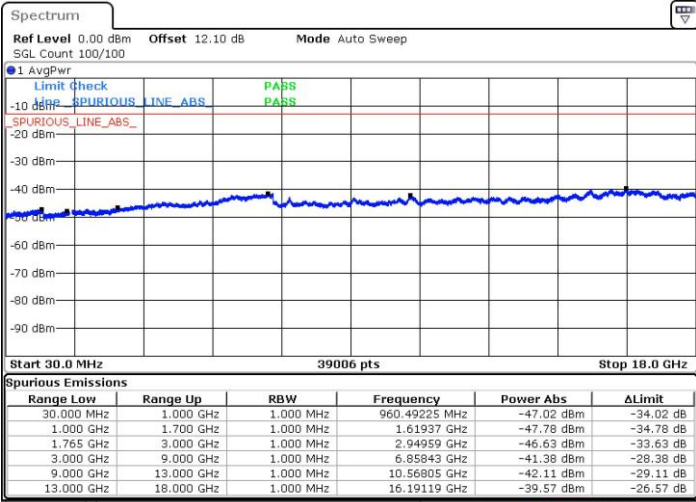
Middle Channel / 64QAM



Date: 1.MAR.2019 20:02:05

Date: 1.MAR.2019 20:03:28

Highest Channel / 64QAM



Date: 1.MAR.2019 20:06:47



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

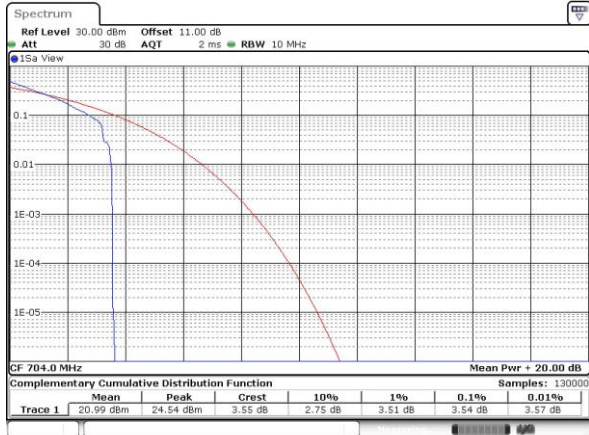
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.43	4.14	5.45	PASS
Middle CH	3.39	4.43	4.12	5.48	
Highest CH	3.71	4.43	4.00	5.45	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.07	6.12	-	-	PASS
Middle CH	4.99	6.17	-	-	
Highest CH	5.01	6.00	-	-	



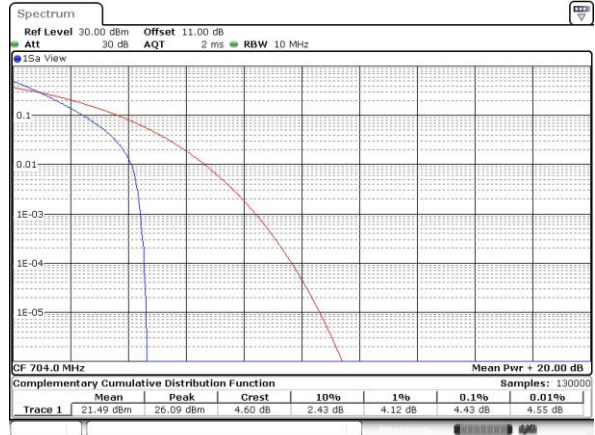
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



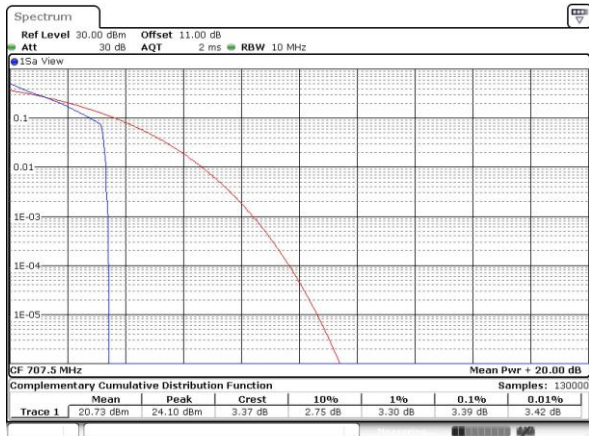
Date: 28 FEB 2019 23:54:01

Lowest Channel / Full RB



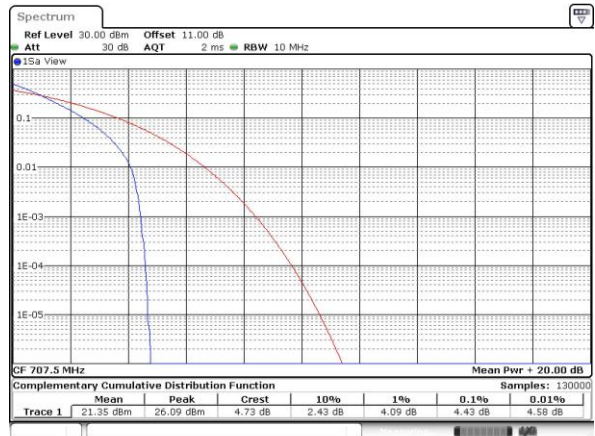
Date: 28 FEB 2019 23:53:50

Middle Channel / 1RB



Date: 28 FEB 2019 23:54:12

Middle Channel / Full RB



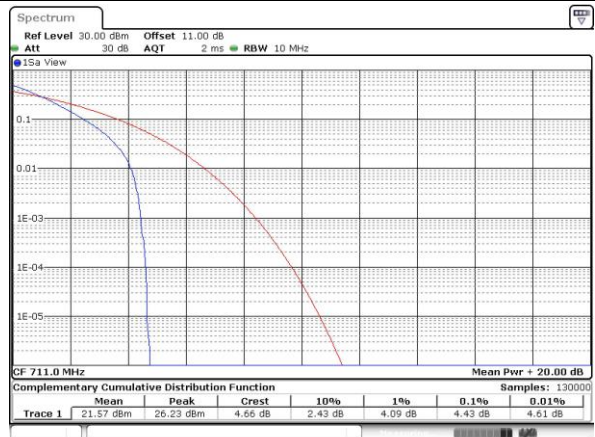
Date: 28 FEB 2019 23:54:22

Highest Channel / 1RB



Date: 28 FEB 2019 23:54:42

Highest Channel / Full RB

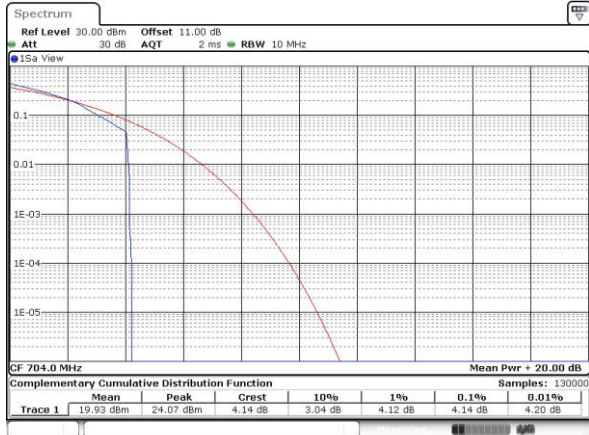


Date: 28 FEB 2019 23:54:32



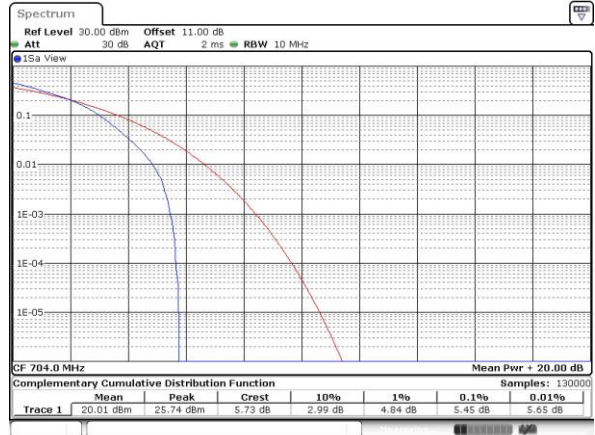
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



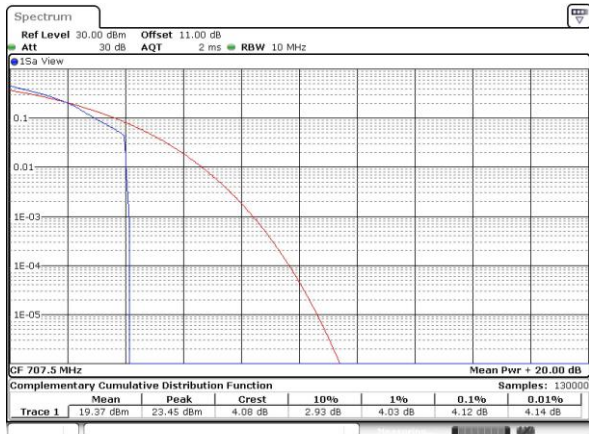
Date: 28 FEB 2019 23:52:58

Lowest Channel / Full RB



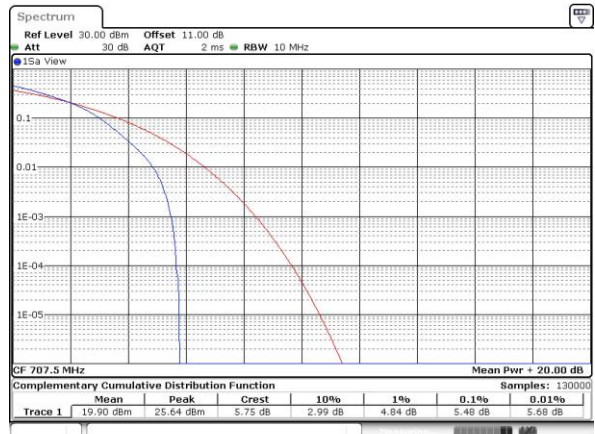
Date: 28 FEB 2019 23:52:48

Middle Channel / 1RB



Date: 28 FEB 2019 23:53:09

Middle Channel / Full RB



Date: 28 FEB 2019 23:53:19

Highest Channel / 1RB



Date: 28 FEB 2019 23:53:40

Highest Channel / Full RB

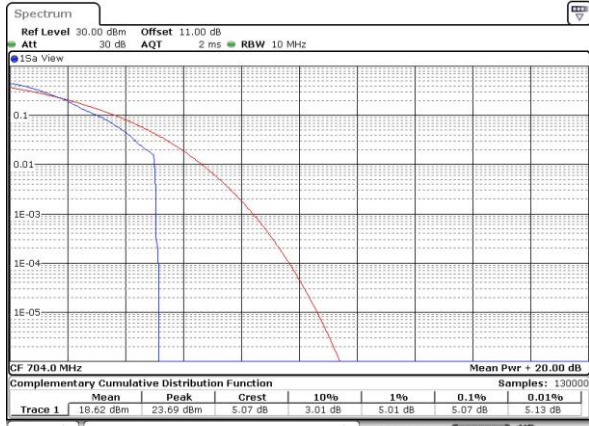


Date: 28 FEB 2019 23:53:29



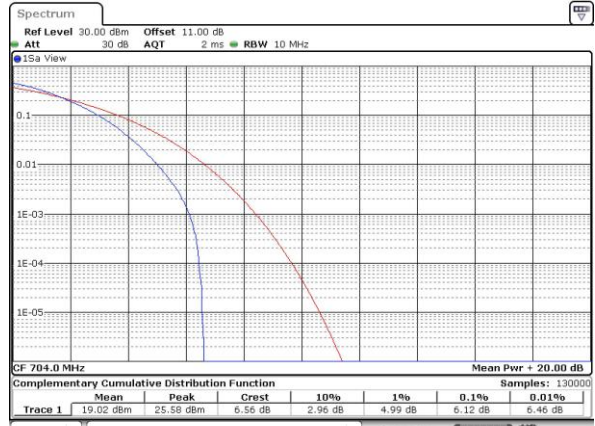
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



Date: 28 FEB 2019 23:51:56

Lowest Channel / Full RB



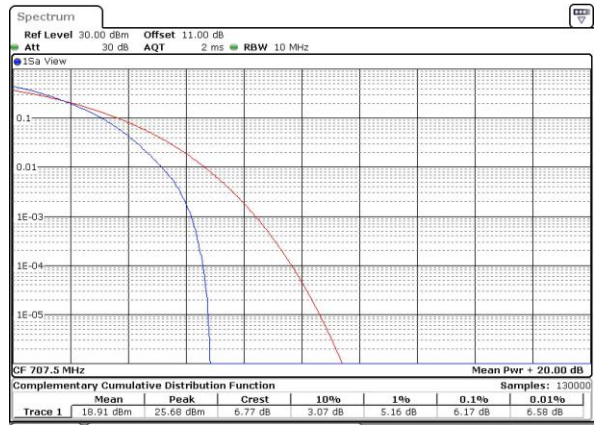
Date: 28 FEB 2019 23:51:45

Middle Channel / 1RB



Date: 28 FEB 2019 23:52:06

Middle Channel / Full RB



Date: 28 FEB 2019 23:52:16

Highest Channel / 1RB



Date: 28 FEB 2019 23:52:37

Highest Channel / Full RB



Date: 28 FEB 2019 23:52:26