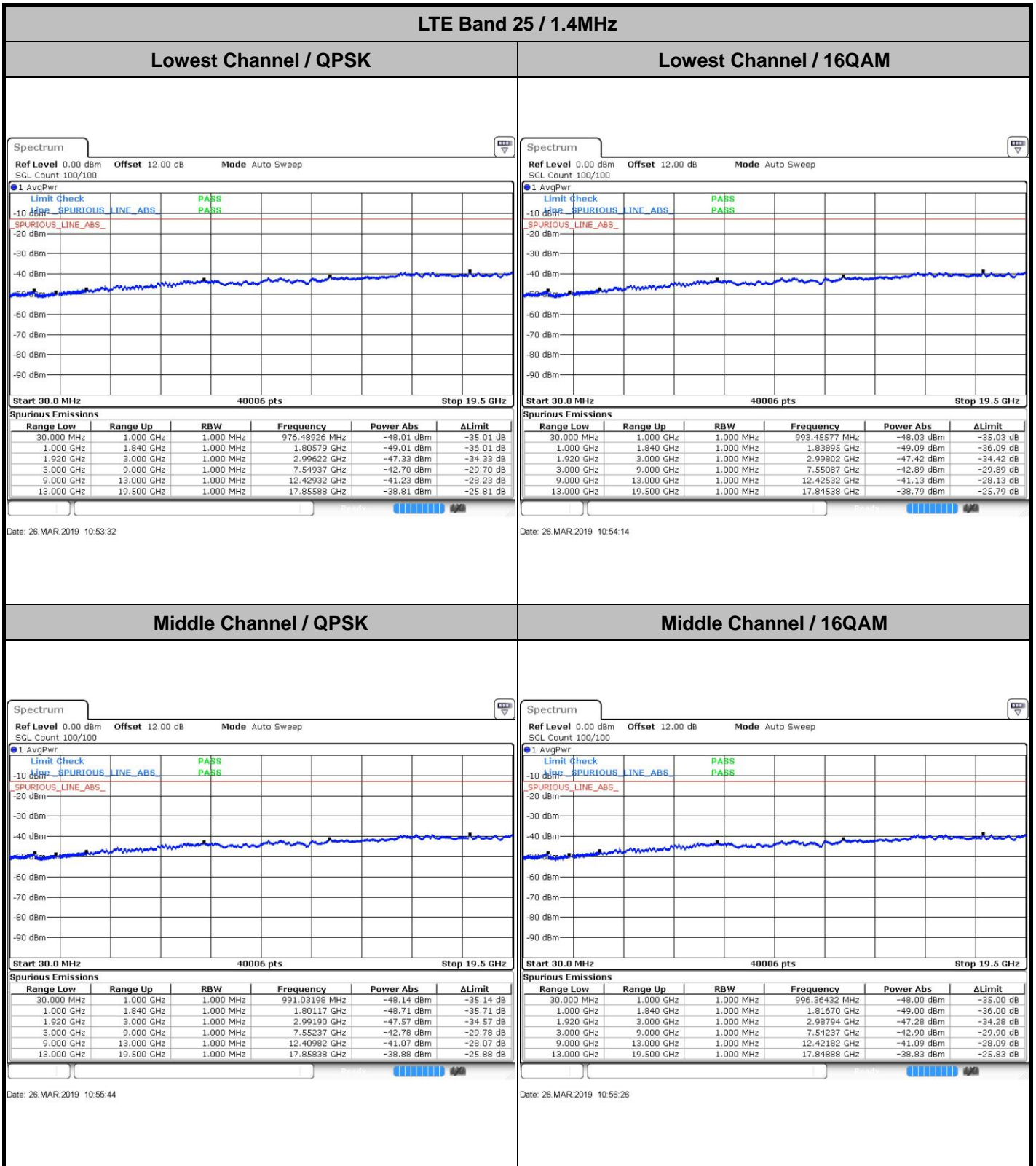




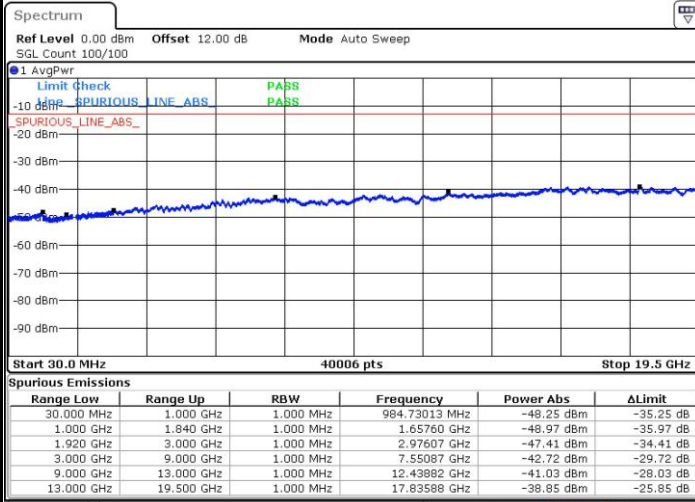
Conducted Spurious Emission





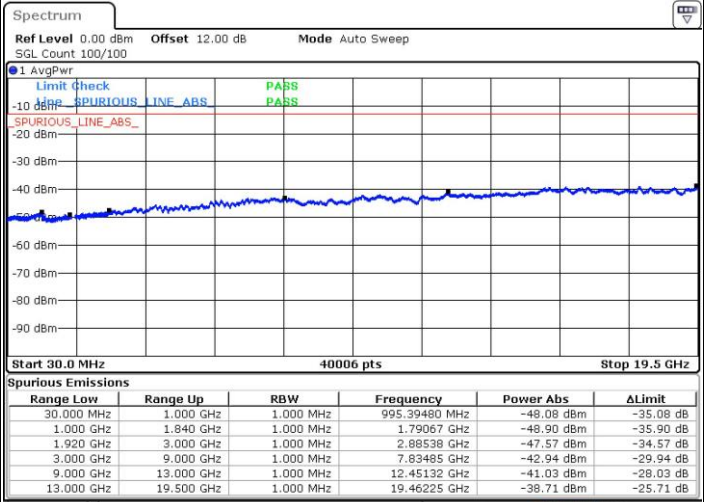
LTE Band 25 / 1.4MHz

Highest Channel / QPSK



Date: 26 MAR 2019 06:14:57

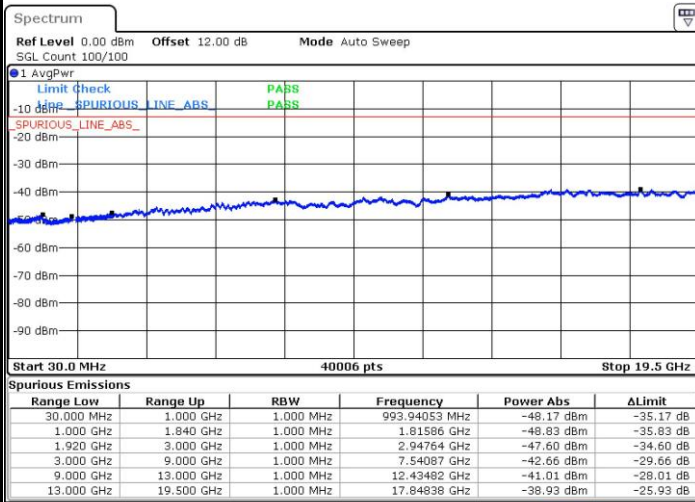
Highest Channel / 16QAM



Date: 26 MAR 2019 06:15:44

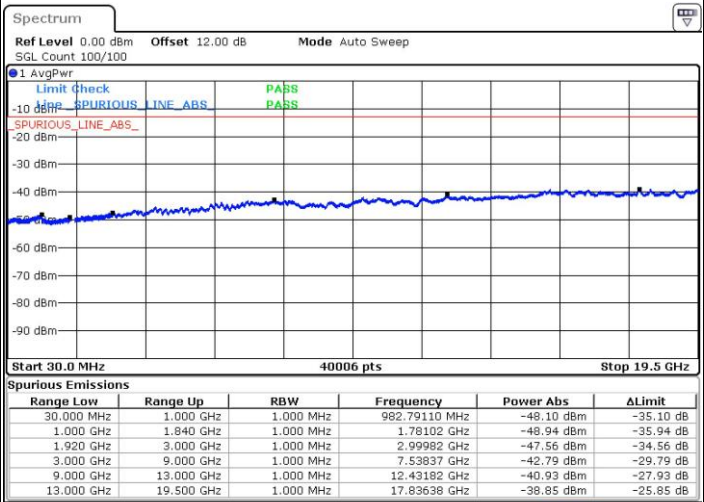
LTE Band 25 / 3MHz

Lowest Channel / QPSK



Date: 26 MAR 2019 09:37:46

Lowest Channel / 16QAM



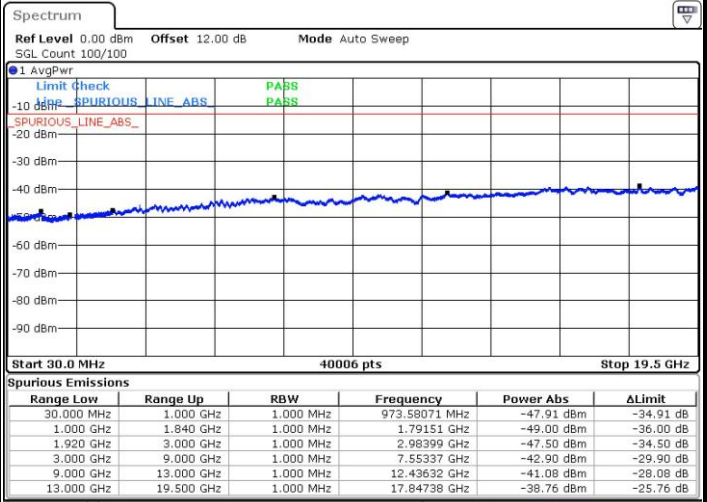
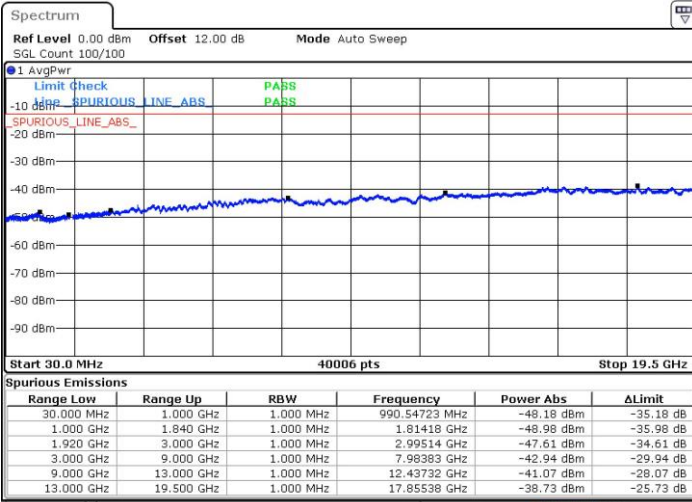
Date: 26 MAR 2019 09:38:28



LTE Band 25 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

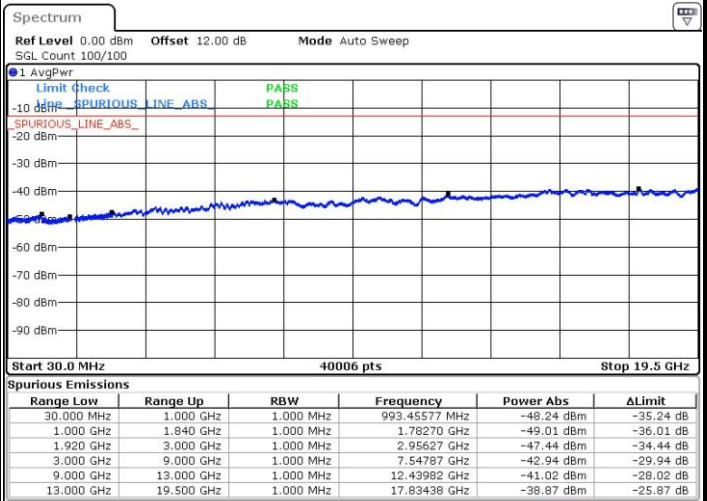
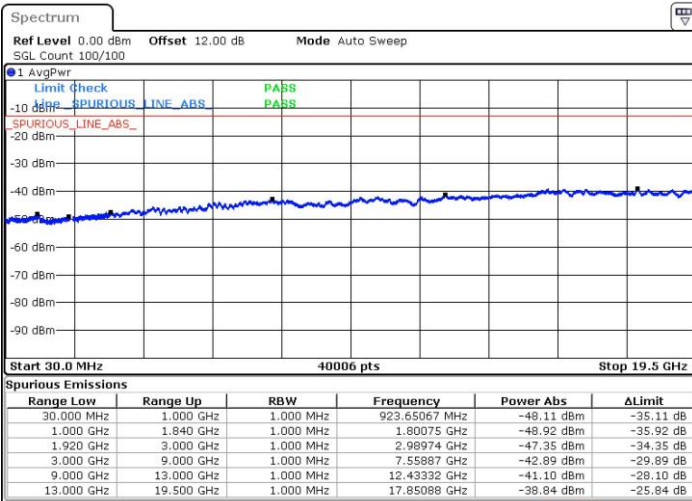


Date: 26 MAR 2019 09:39:59

Date: 26 MAR 2019 09:40:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAR 2019 09:46:17

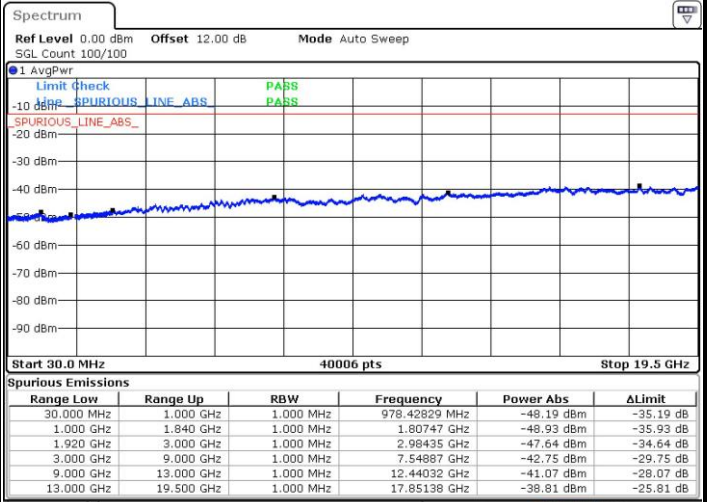
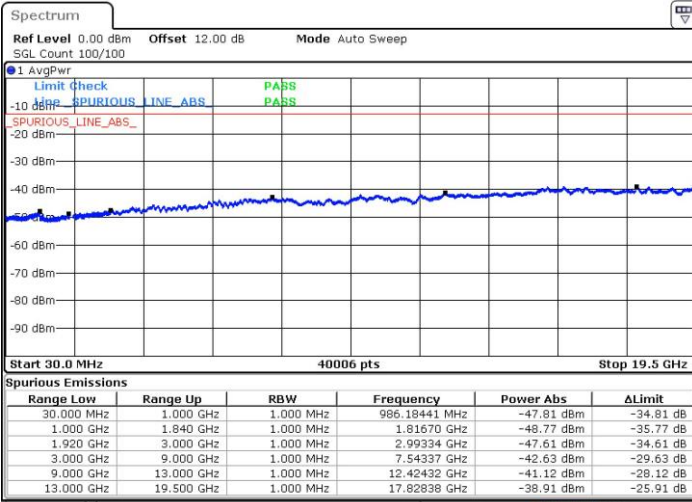
Date: 26 MAR 2019 09:46:58



LTE Band 25 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

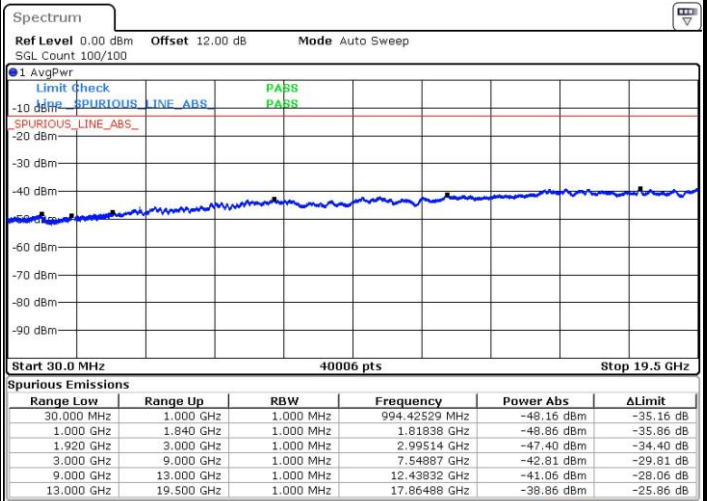
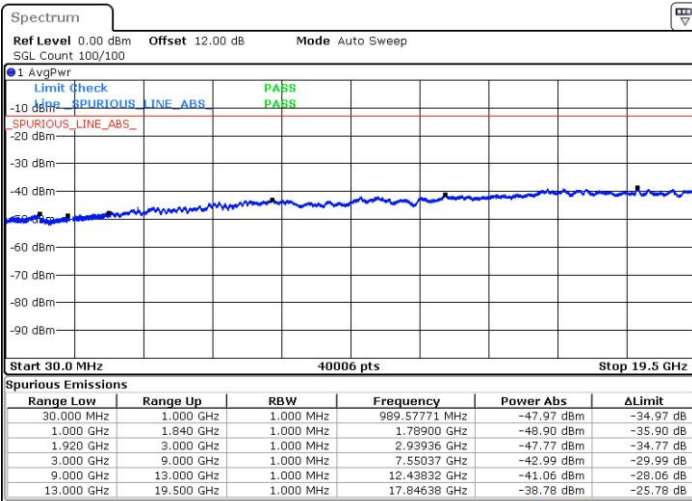


Date: 26 MAR 2019 09:52:34

Date: 26 MAR 2019 09:53:16

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 26 MAR 2019 09:54:47

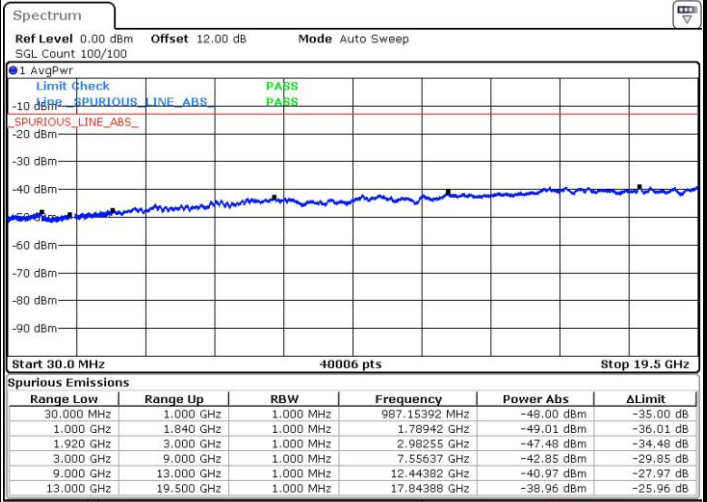
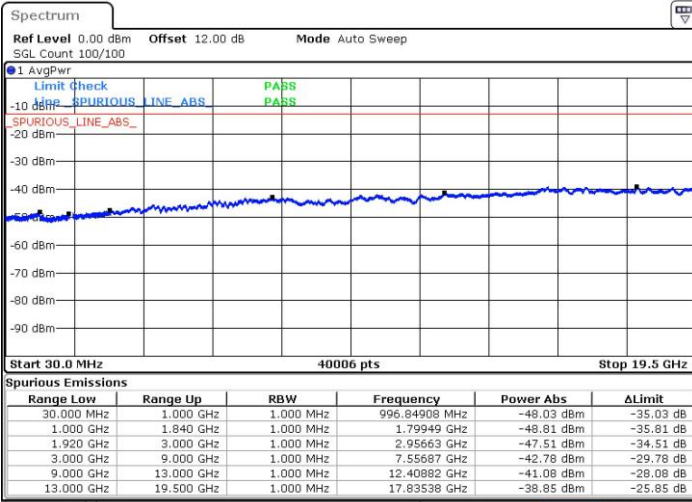
Date: 26 MAR 2019 09:55:28



LTE Band 25 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



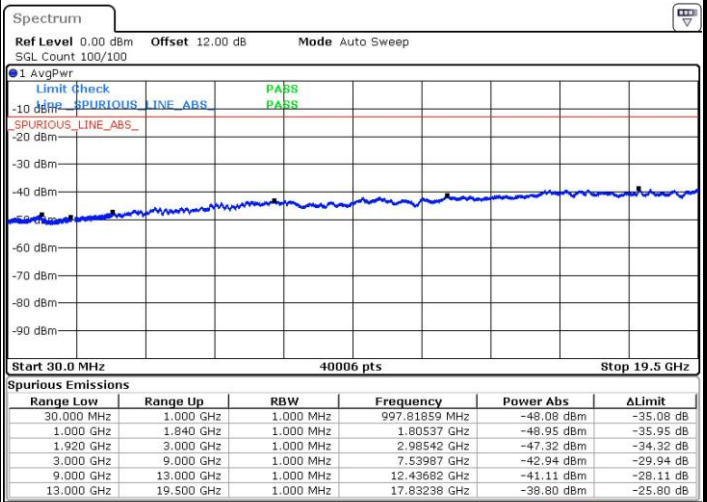
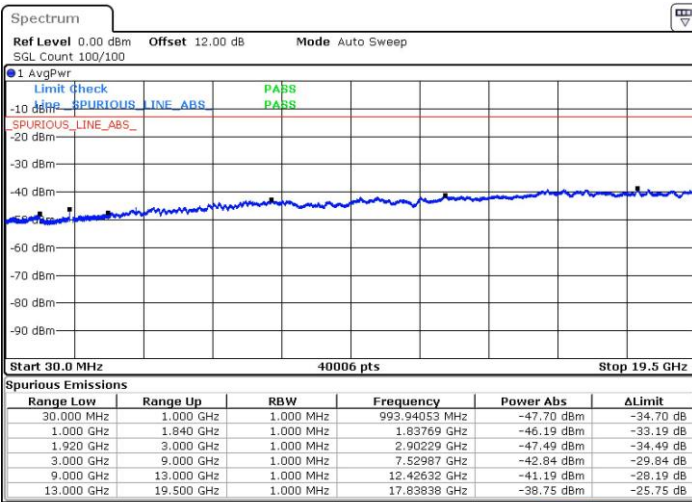
Date: 26.MAR.2019 10:01:04

Date: 26.MAR.2019 10:01:45

LTE Band 25 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 26.MAR.2019 10:07:21

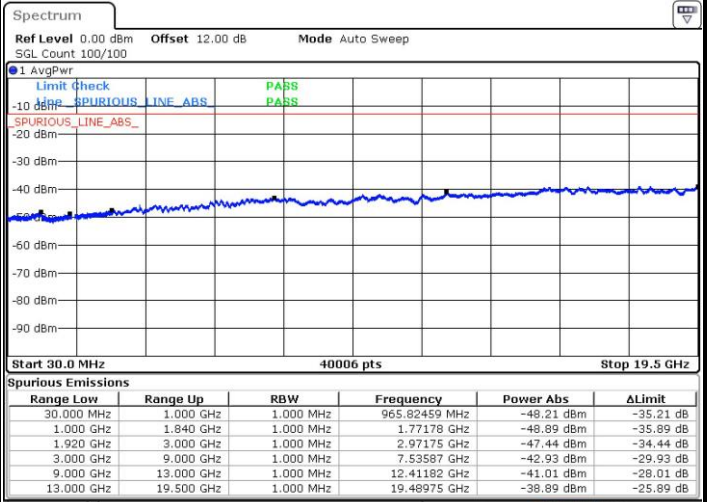
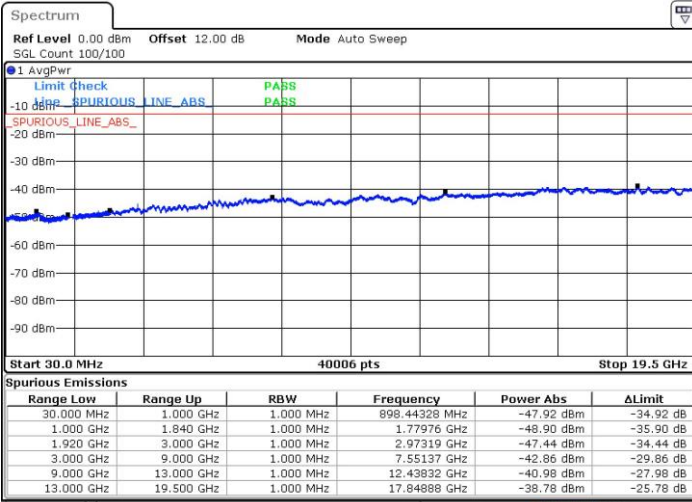
Date: 26.MAR.2019 10:08:03



LTE Band 25 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

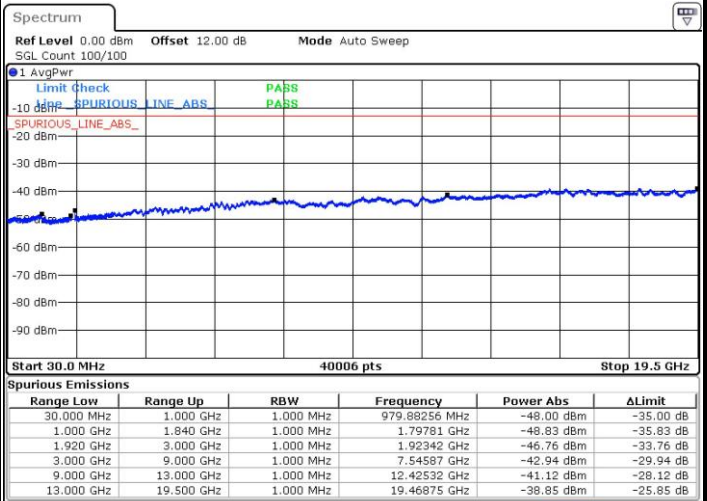
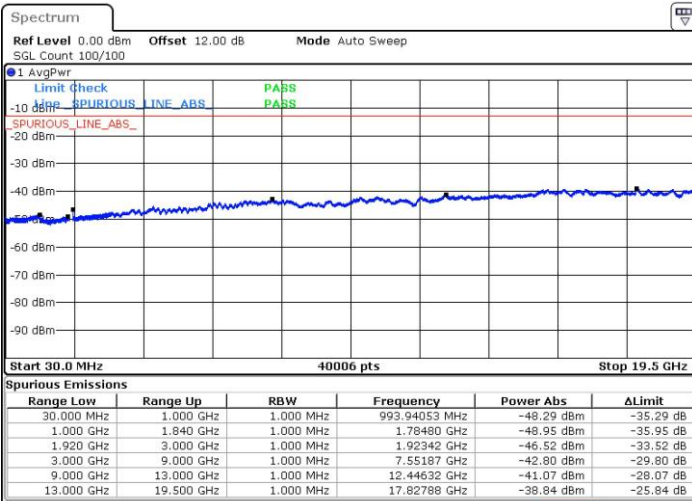


Date: 26 MAR 2019 10:09:34

Date: 26 MAR 2019 10:10:16

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAR 2019 10:15:52

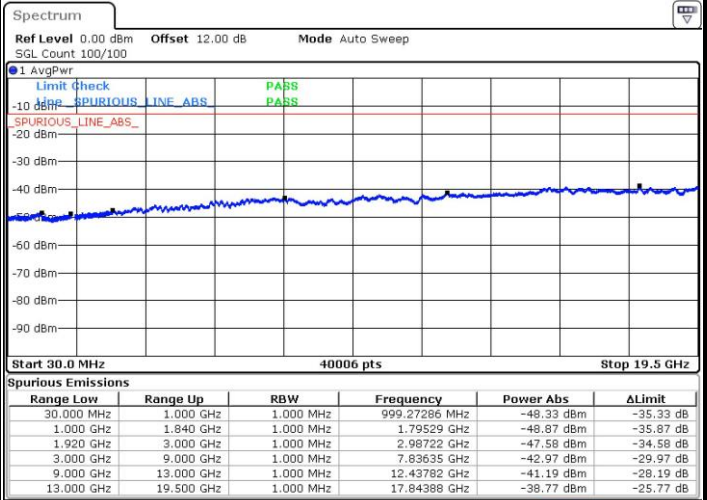
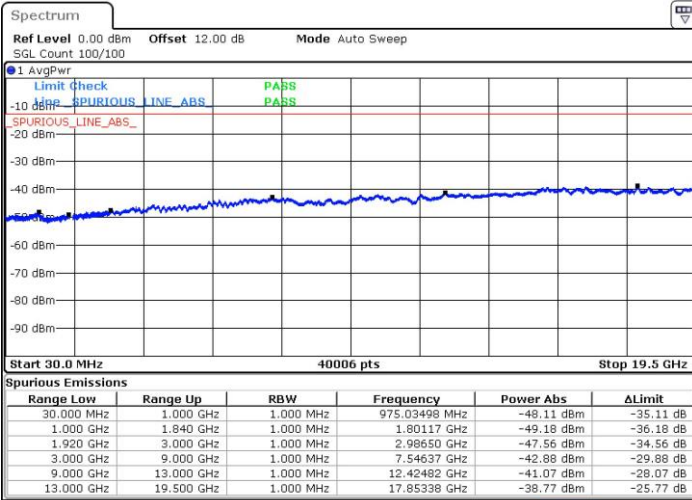
Date: 26 MAR 2019 10:16:33



LTE Band 25 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

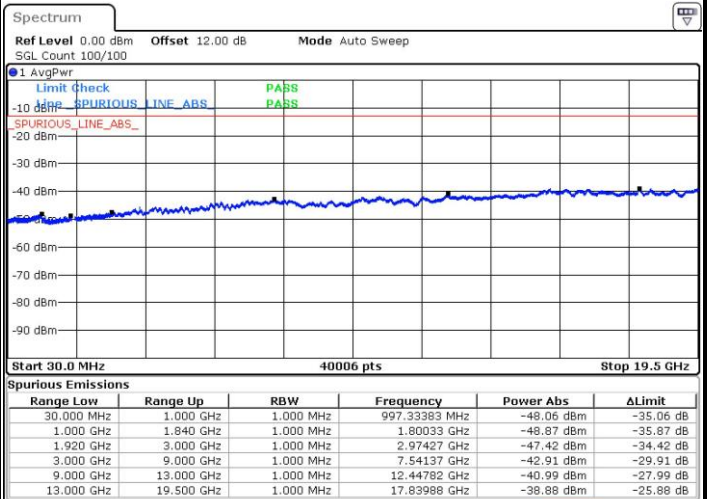
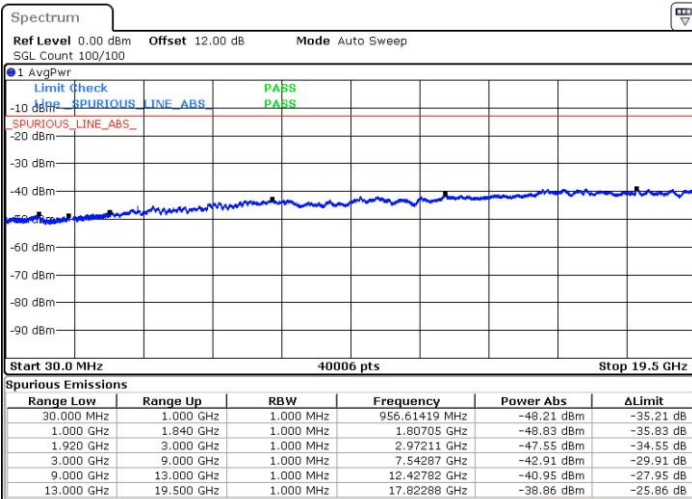


Date: 26 MAR 2019 10:22:09

Date: 26 MAR 2019 10:22:51

Middle Channel / QPSK

Middle Channel / 16QAM



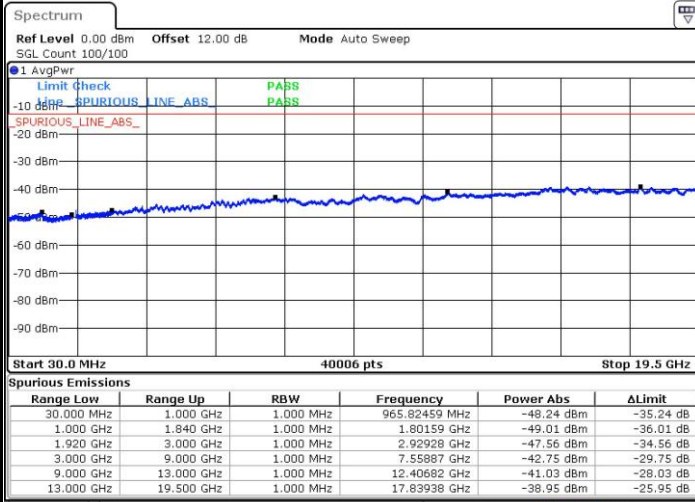
Date: 26 MAR 2019 10:24:22

Date: 26 MAR 2019 10:25:04



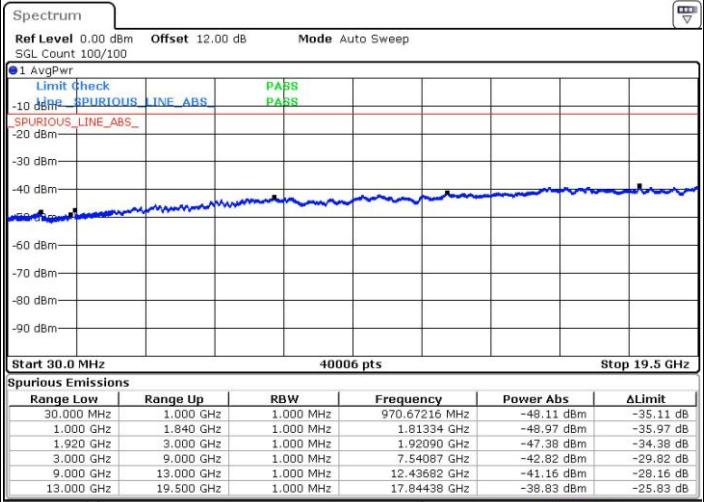
LTE Band 25 / 15MHz

Highest Channel / QPSK



Date: 26 MAR 2019 10:30:39

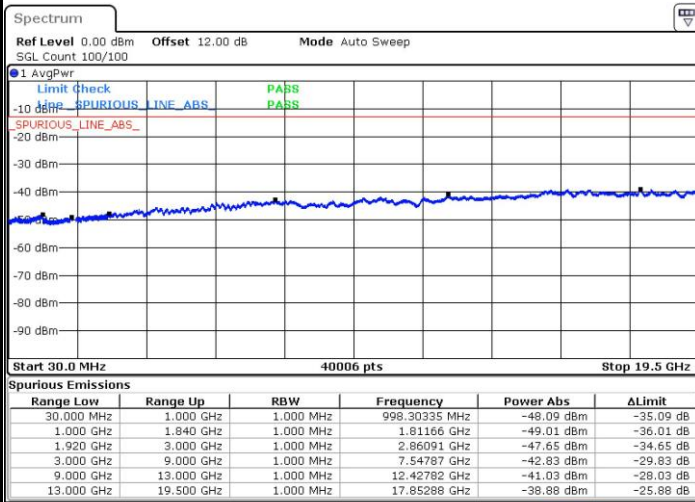
Highest Channel / 16QAM



Date: 26 MAR 2019 10:31:21

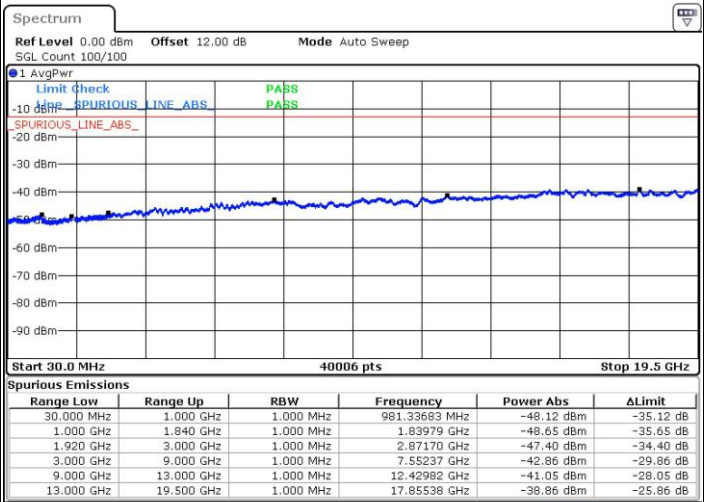
LTE Band 25 / 20MHz

Lowest Channel / QPSK



Date: 26 MAR 2019 10:36:57

Lowest Channel / 16QAM



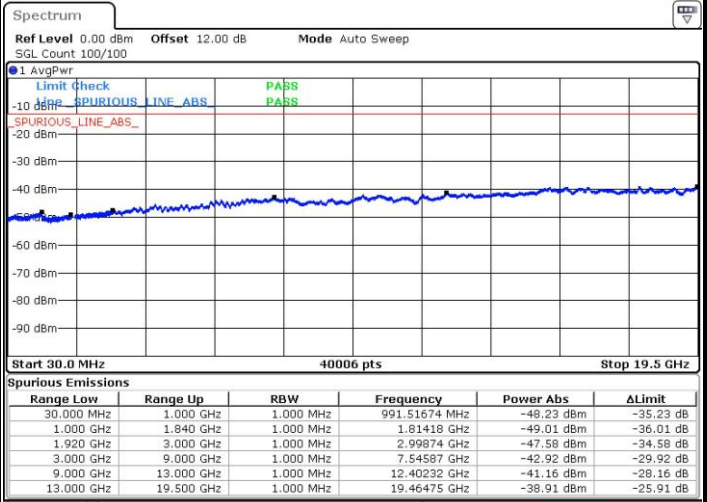
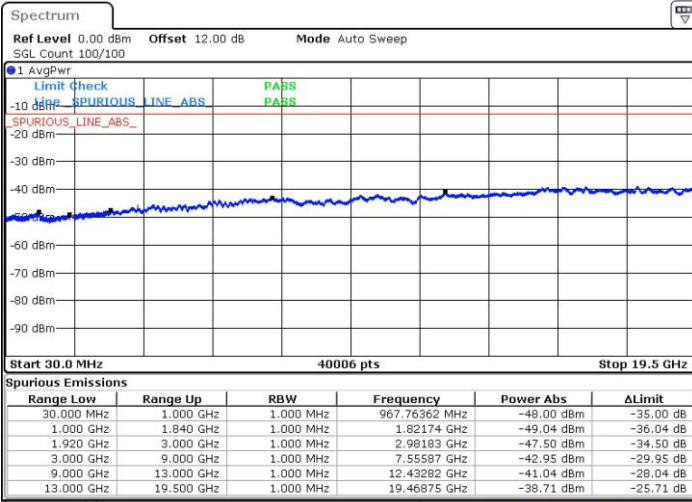
Date: 26 MAR 2019 10:37:38



LTE Band 25 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

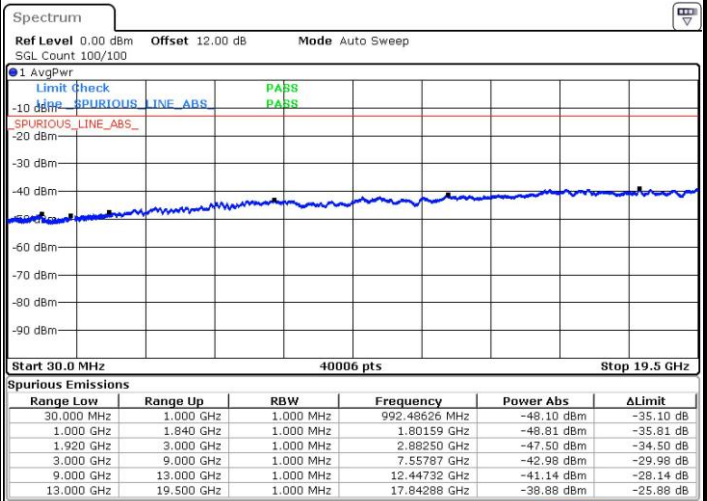
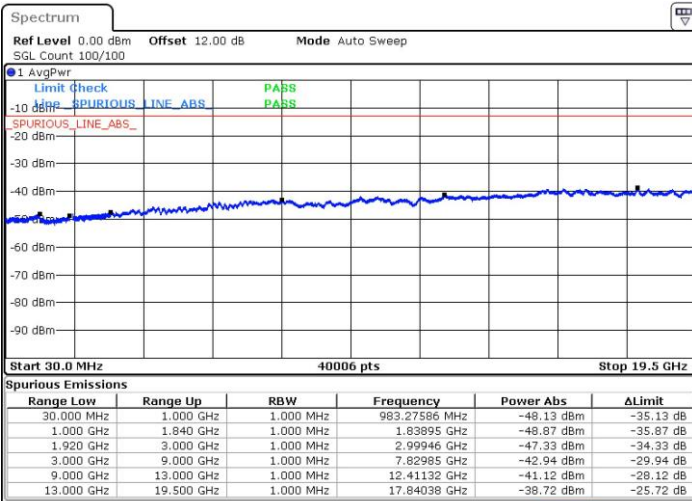


Date: 26 MAR 2019 10:39:10

Date: 26 MAR 2019 10:39:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAR 2019 10:45:27

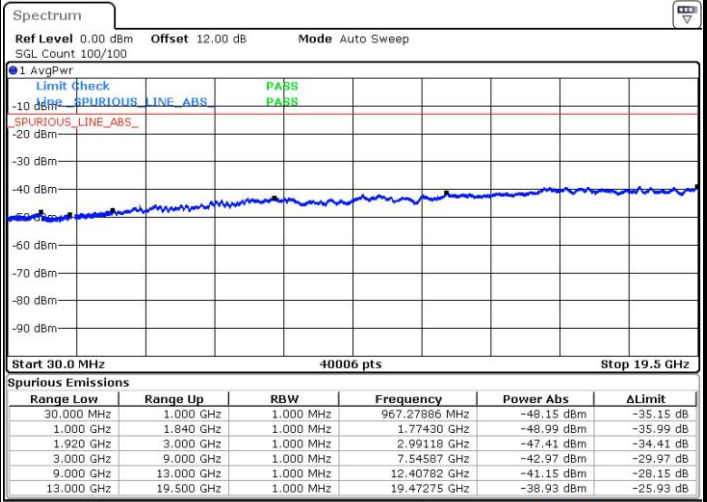
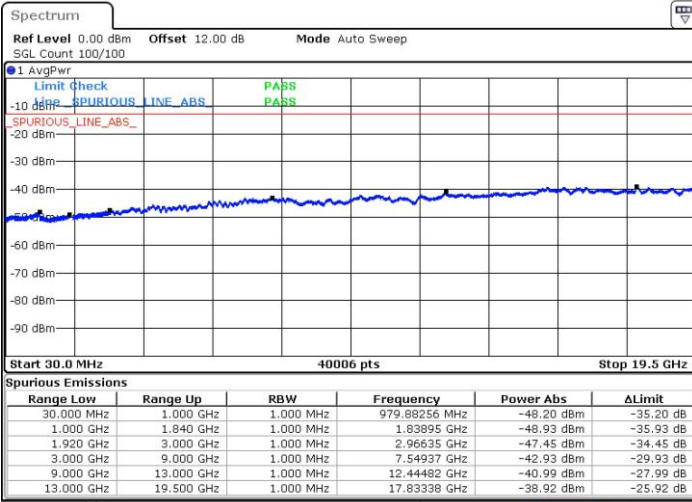
Date: 26 MAR 2019 10:46:08



LTE Band 25 / 1.4MHz

Lowest Channel / 64QAM

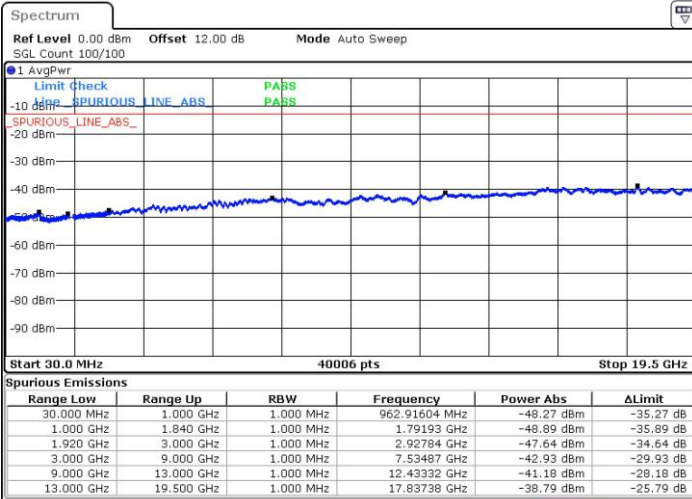
Middle Channel / 64QAM



Date: 26 MAR 2019 06:19:04

Date: 26 MAR 2019 06:20:16

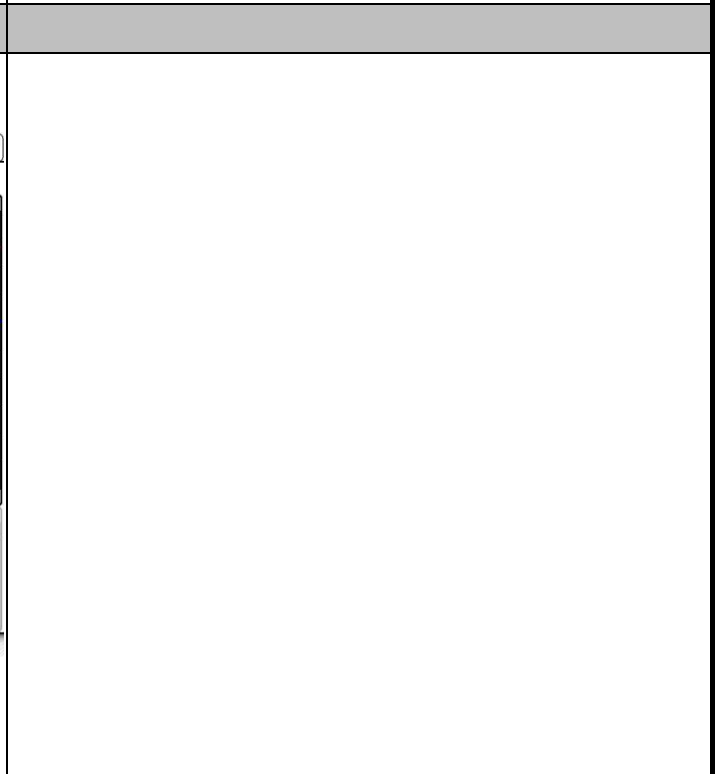
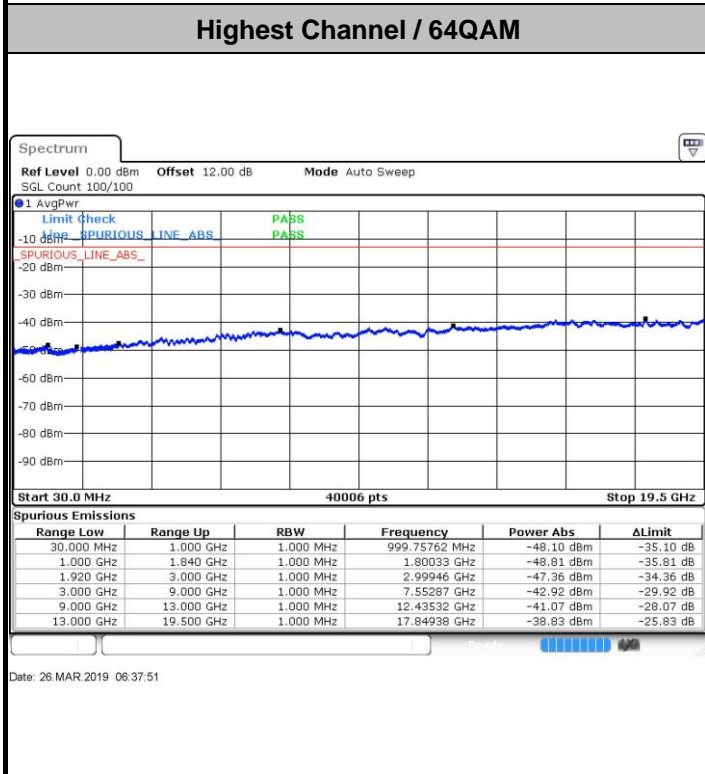
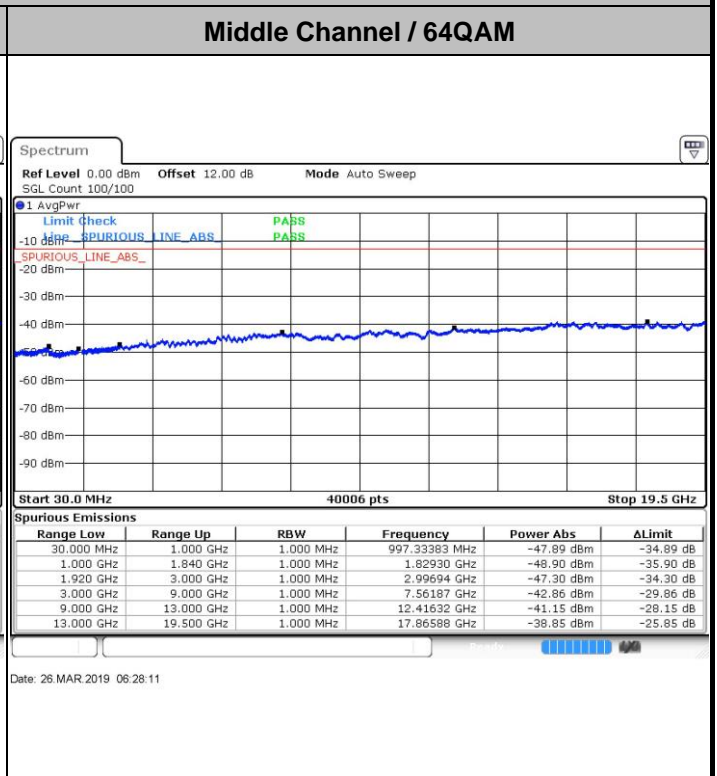
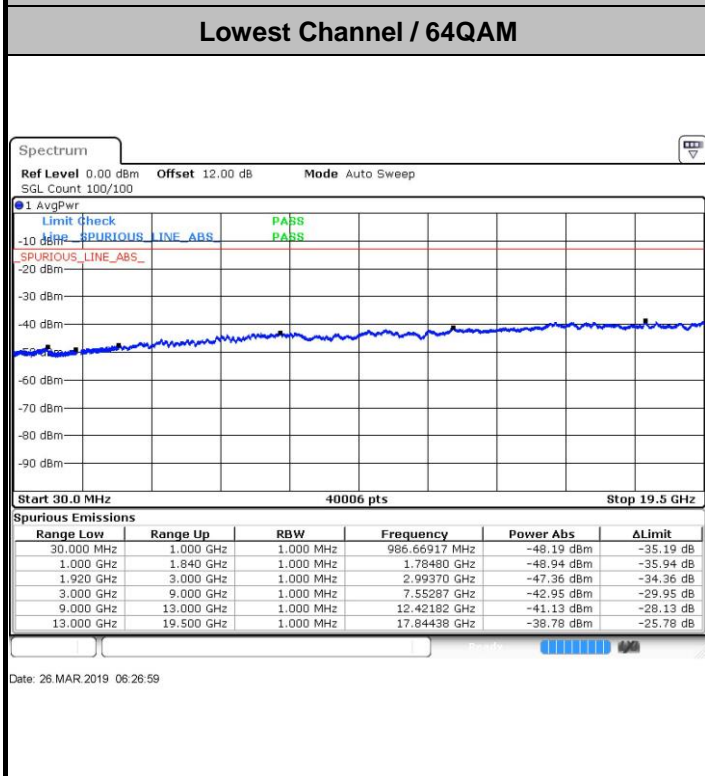
Highest Channel / 64QAM



Date: 26 MAR 2019 06:23:45



LTE Band 25 / 3MHz

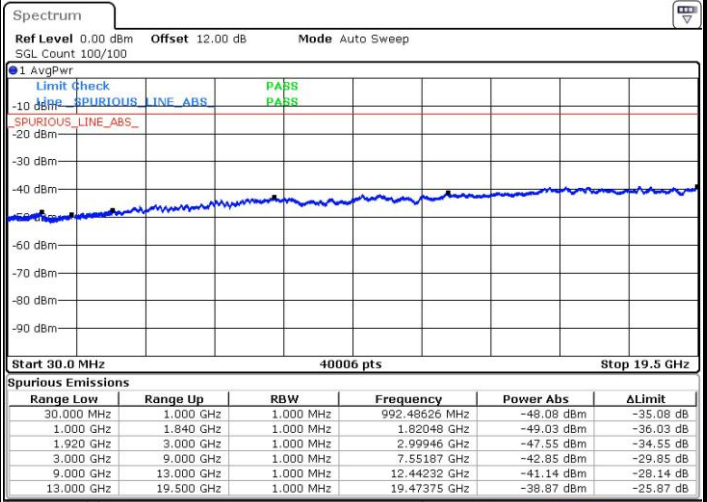
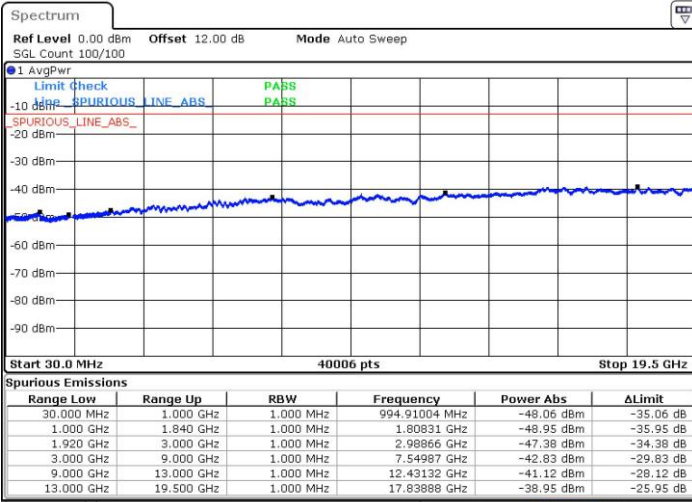




LTE Band 25 / 5MHz

Lowest Channel / 64QAM

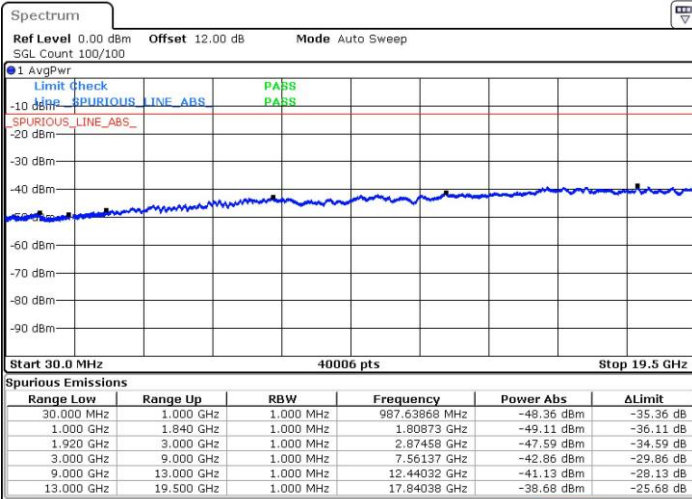
Middle Channel / 64QAM



Date: 26.MAR.2019 06:41:04

Date: 26.MAR.2019 06:42:16

Highest Channel / 64QAM



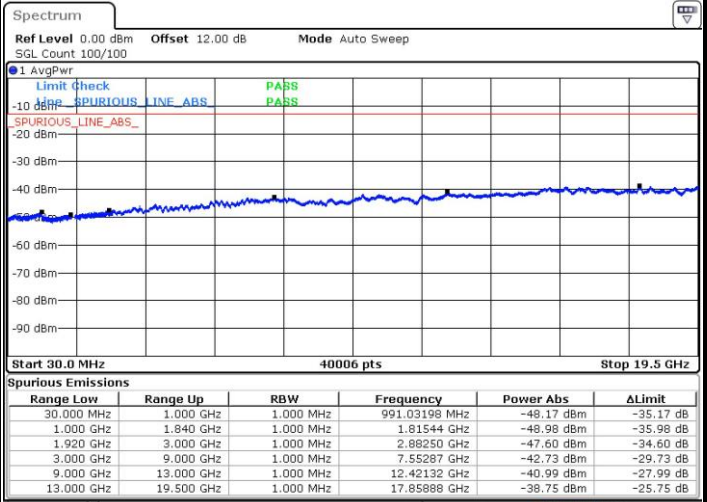
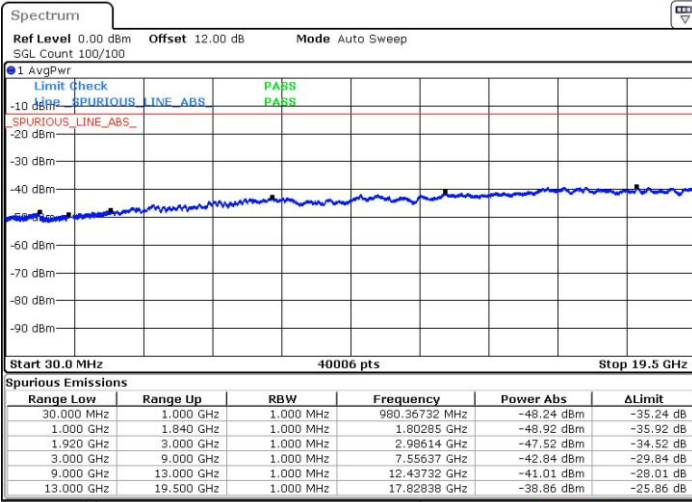
Date: 26.MAR.2019 06:45:30



LTE Band 25 / 10MHz

Lowest Channel / 64QAM

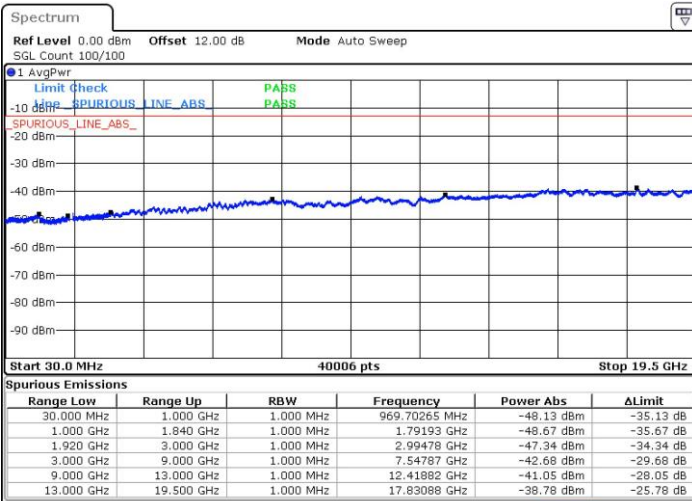
Middle Channel / 64QAM



Date: 26 MAR 2019 06:48:44

Date: 26 MAR 2019 06:49:55

Highest Channel / 64QAM



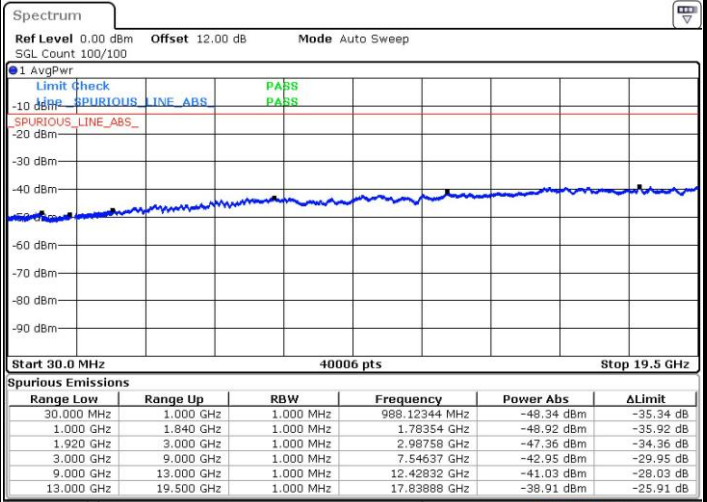
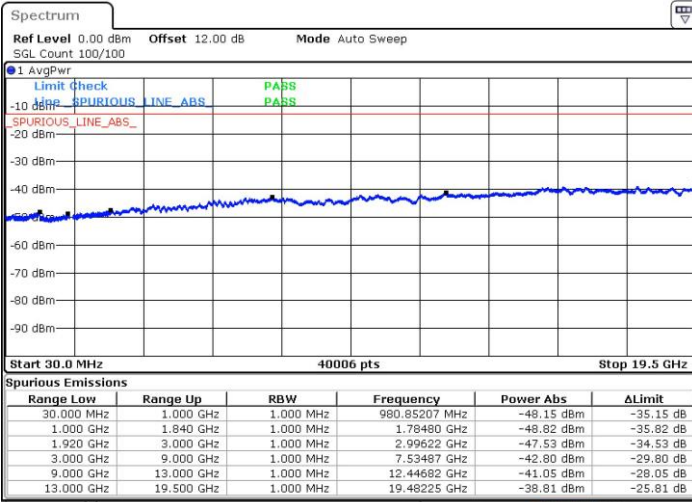
Date: 26 MAR 2019 06:53:09



LTE Band 25 / 15MHz

Lowest Channel / 64QAM

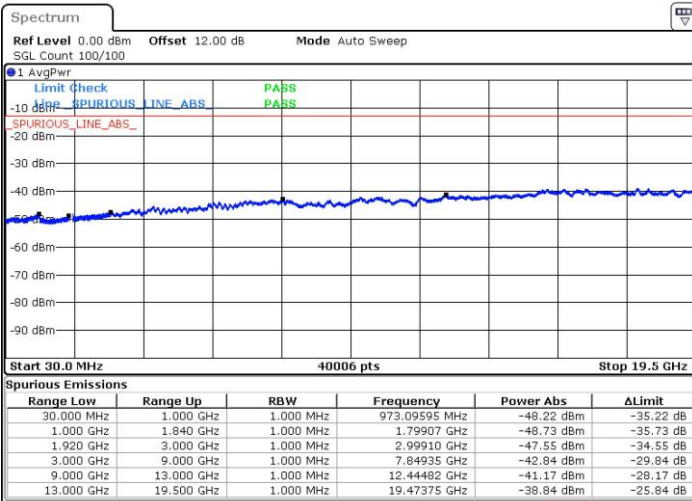
Middle Channel / 64QAM



Date: 26 MAR 2019 06:56:22

Date: 26 MAR 2019 06:57:34

Highest Channel / 64QAM



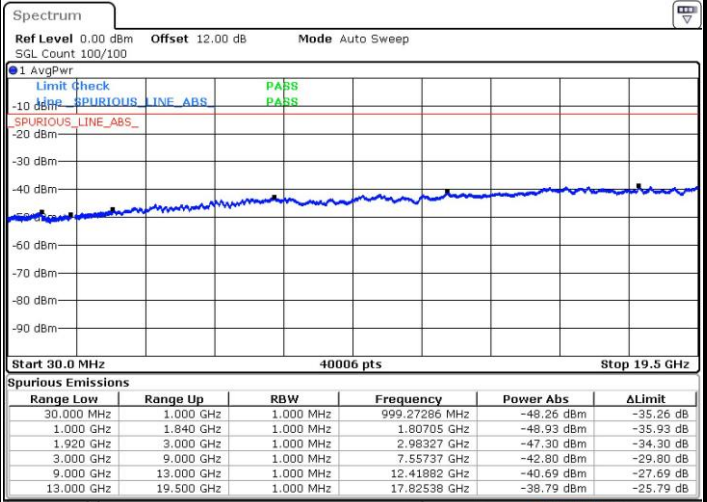
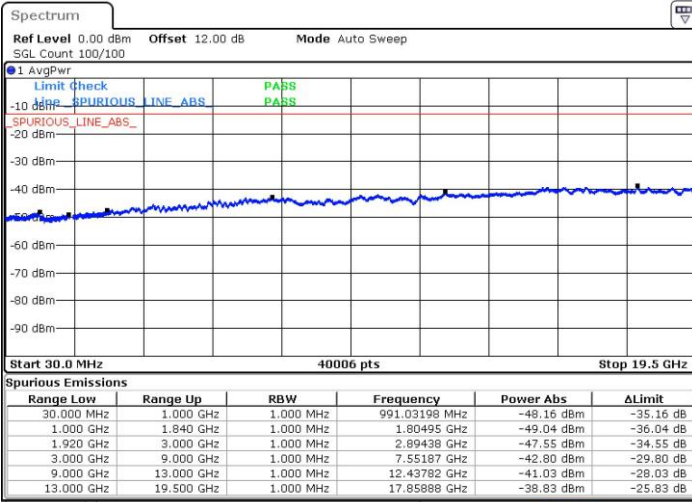
Date: 26 MAR 2019 07:00:47



LTE Band 25 / 20MHz

Lowest Channel / 64QAM

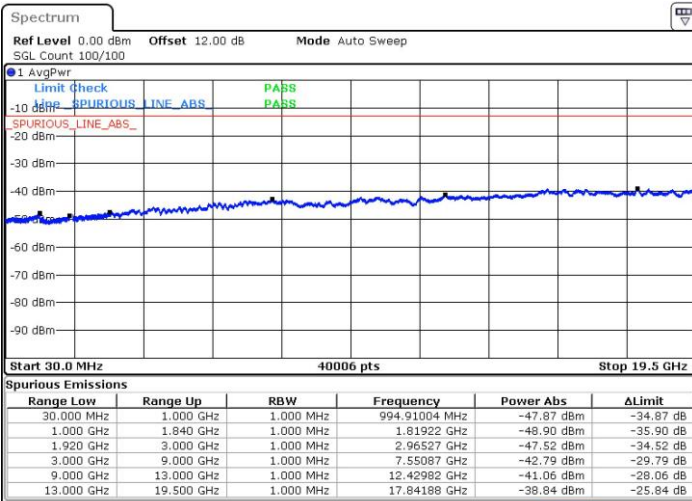
Middle Channel / 64QAM



Date: 26 MAR 2019 07:04:01

Date: 26 MAR 2019 07:05:12

Highest Channel / 64QAM



Date: 26 MAR 2019 07:08:26



Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0066	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0070	
-10	Normal Voltage	0.0076	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.86	4.93	5.19	6.2	PASS
Middle CH	3.83	5.01	5.28	6.29	
Highest CH	3.77	4.96	5.28	6.26	
Mode	LTE Band 26 / 15MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.75	6.93	-	-	PASS
Middle CH	6.17	6.93	-	-	
Highest CH	6.70	6.96	-	-	



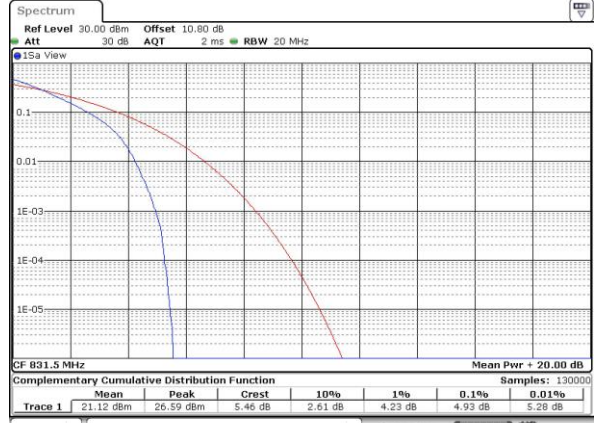
LTE Band 26 / 15MHz / QPSK

Lowest Channel / 1RB



Date: 23 MAR 2019 00:08:16

Lowest Channel / Full RB



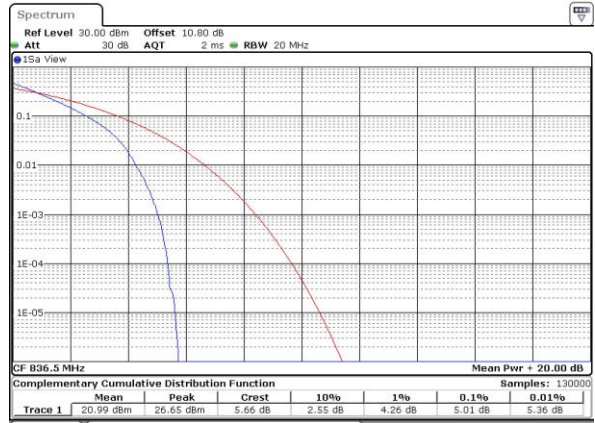
Date: 23 MAR 2019 00:07:39

Middle Channel / 1RB



Date: 23 MAR 2019 00:08:29

Middle Channel / Full RB



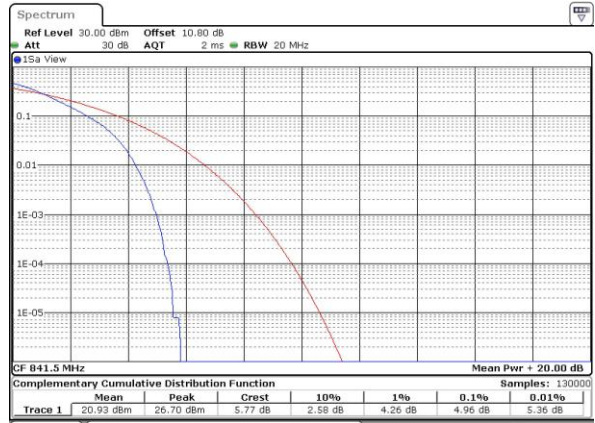
Date: 23 MAR 2019 00:09:07

Highest Channel / 1RB



Date: 23 MAR 2019 00:10:02

Highest Channel / Full RB

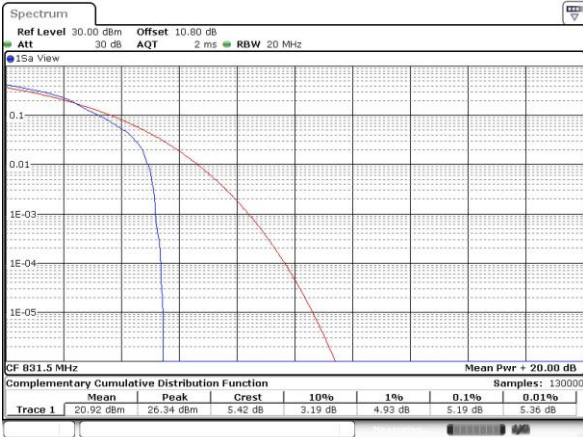


Date: 23 MAR 2019 00:09:24



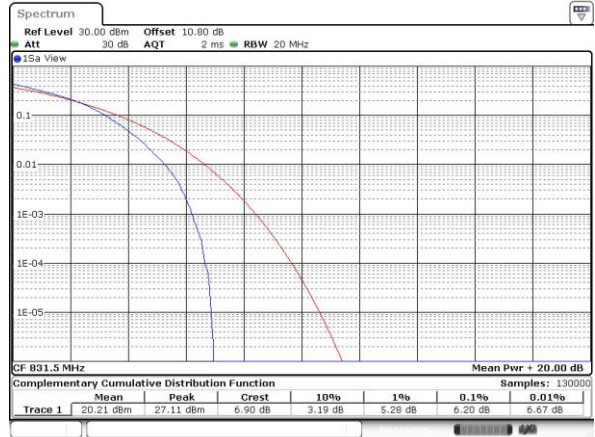
LTE Band 26 / 15MHz / 16QAM

Lowest Channel / 1RB



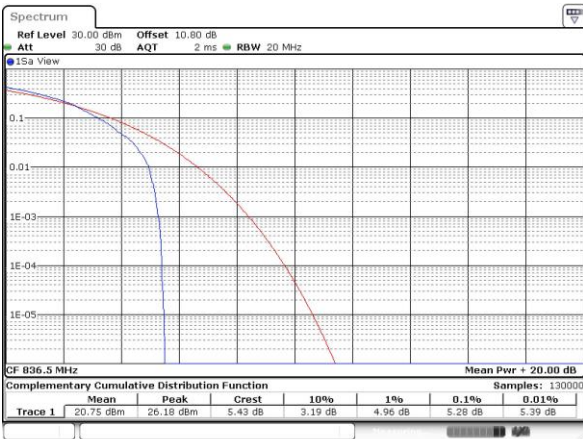
Date: 23 MAR 2019 00:08:02

Lowest Channel / Full RB



Date: 23 MAR 2019 00:07:51

Middle Channel / 1RB



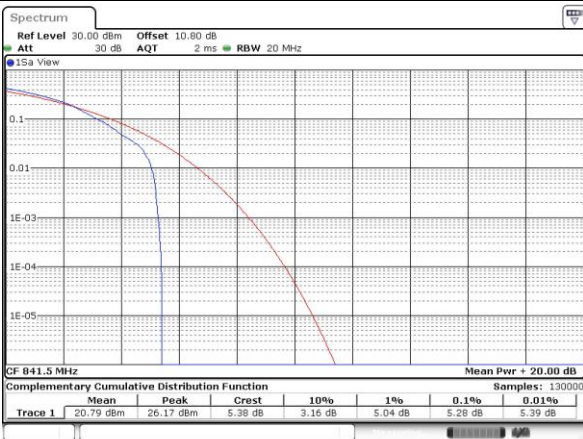
Date: 23 MAR 2019 00:08:41

Middle Channel / Full RB



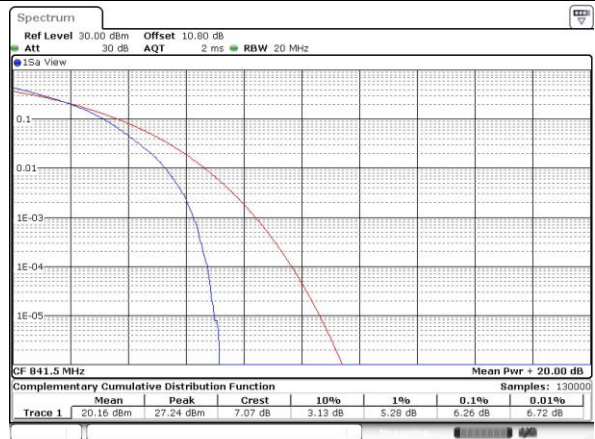
Date: 23 MAR 2019 00:08:55

Highest Channel / 1RB



Date: 23 MAR 2019 00:09:50

Highest Channel / Full RB

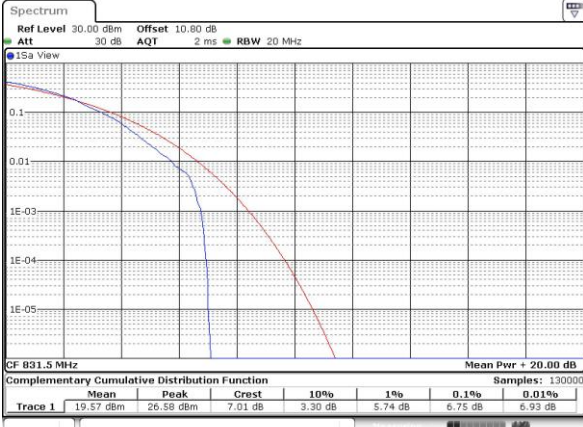


Date: 23 MAR 2019 00:09:36



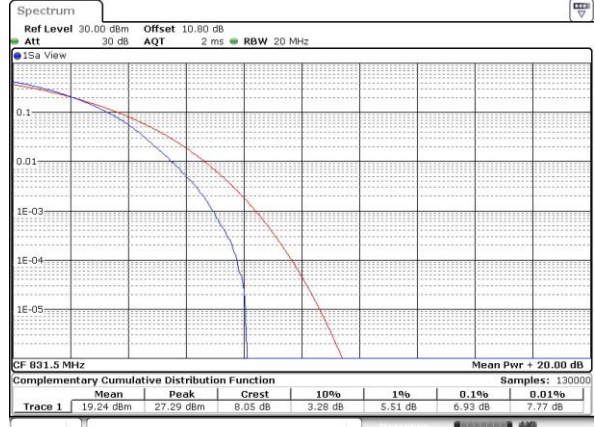
LTE Band 26 / 15MHz / 64QAM

Lowest Channel / 1RB



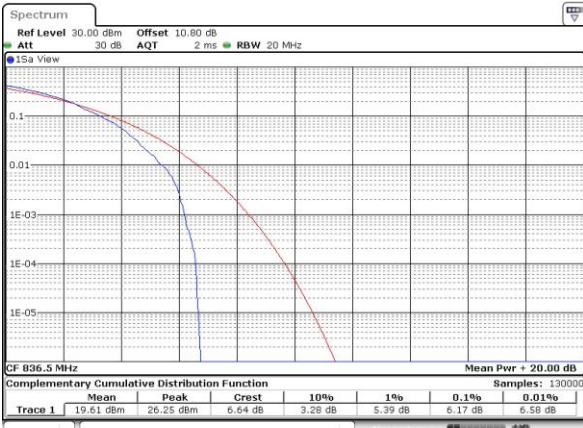
Date: 23 MAR 2019 00:10:31

Lowest Channel / Full RB



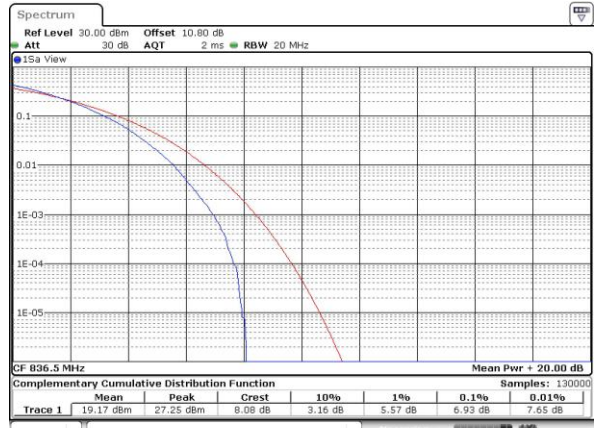
Date: 23 MAR 2019 00:10:16

Middle Channel / 1RB



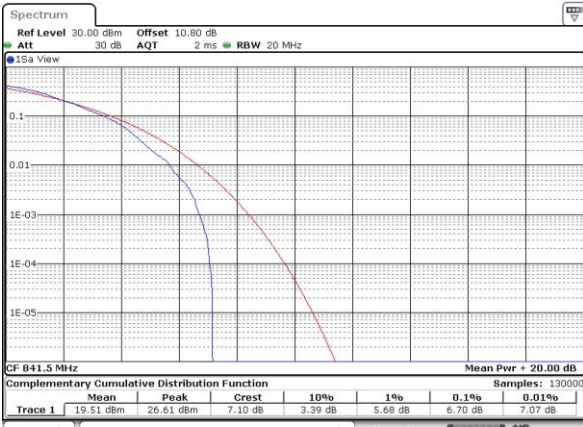
Date: 23 MAR 2019 00:10:52

Middle Channel / Full RB



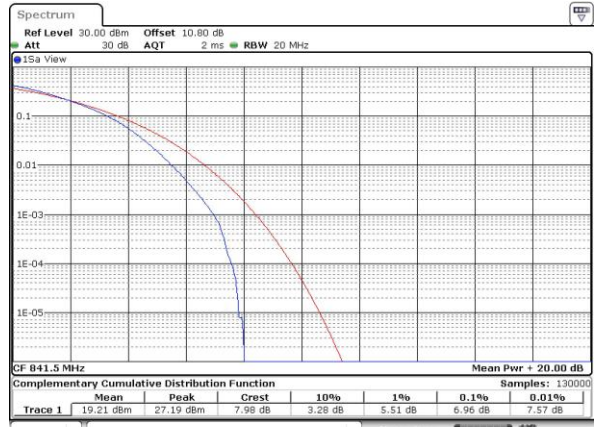
Date: 23 MAR 2019 00:11:05

Highest Channel / 1RB



Date: 23 MAR 2019 00:11:42

Highest Channel / Full RB



Date: 23 MAR 2019 00:11:30



26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.23	3.01	2.97	4.94	4.87	9.69	9.79	14.27	14.45	-	-
Middle CH	1.22	1.22	3.00	3.02	4.91	4.94	9.81	9.71	14.45	14.57	-	-
Highest CH	1.22	1.21	3.00	3.02	4.92	4.93	9.91	9.85	14.54	14.42	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.05	-	4.97	-	9.79	-	14.54	-	-	-
Middle CH	1.23	-	3.02	-	4.95	-	9.89	-	14.54	-	-	-
Highest CH	1.24	-	3.00	-	4.96	-	9.85	-	14.39	-	-	-