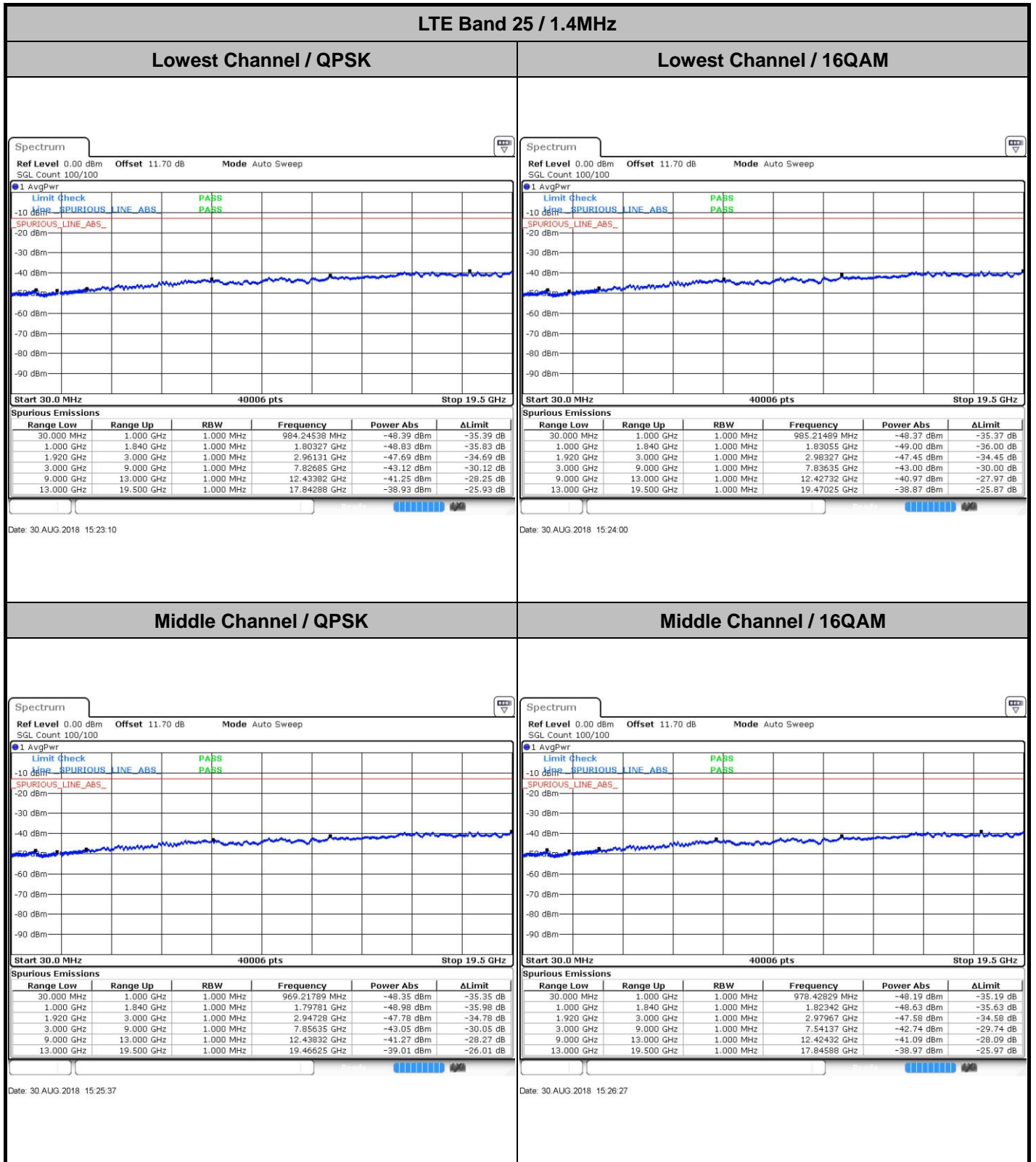




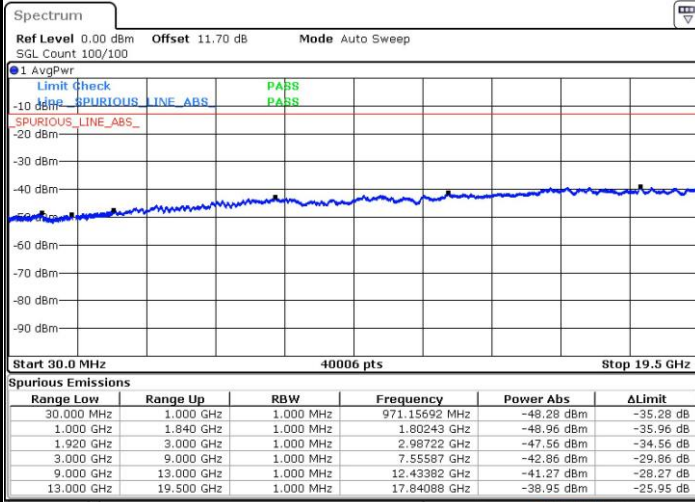
# Conducted Spurious Emission





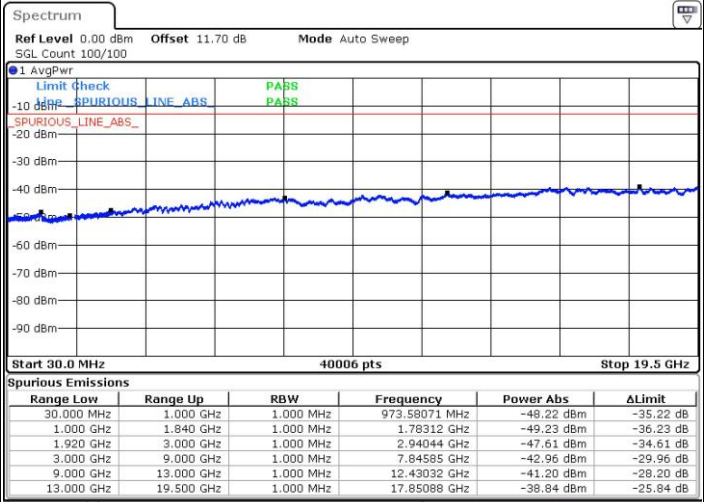
LTE Band 25 / 1.4MHz

Highest Channel / QPSK



Date: 30 AUG.2018 15:32:45

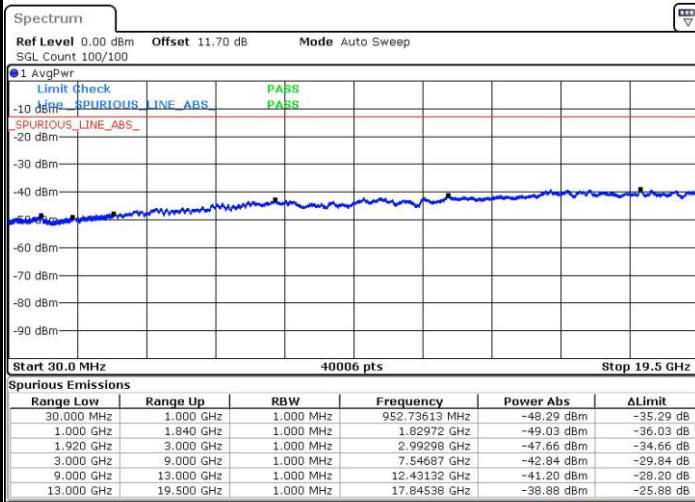
Highest Channel / 16QAM



Date: 30 AUG.2018 15:33:36

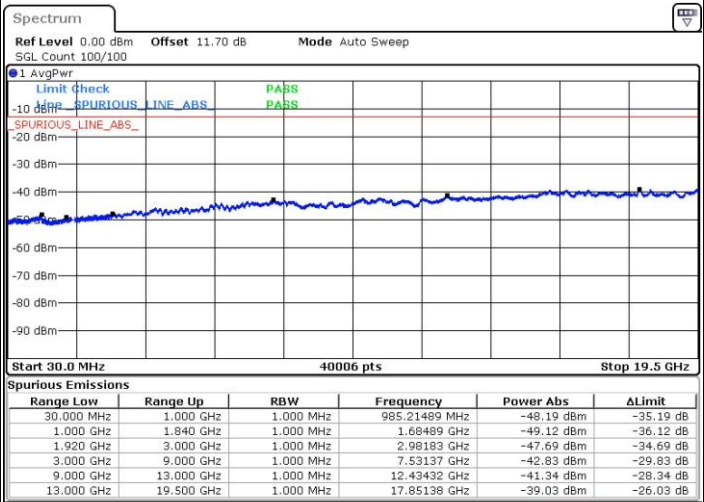
LTE Band 25 / 3MHz

Lowest Channel / QPSK



Date: 30 AUG.2018 12:01:23

Lowest Channel / 16QAM



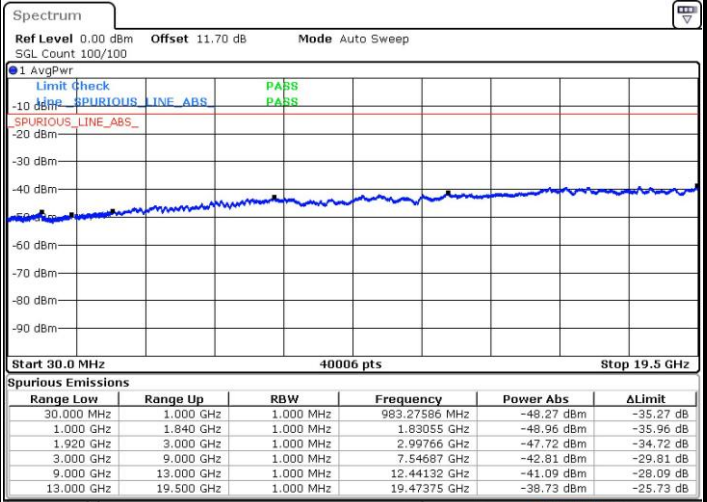
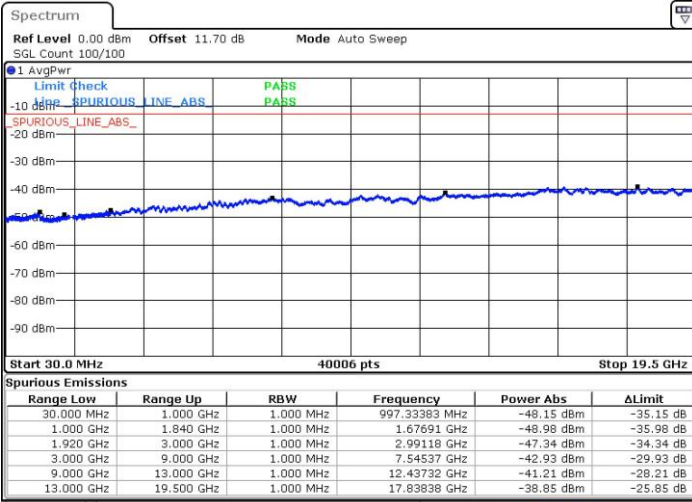
Date: 30 AUG.2018 12:02:14



LTE Band 25 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

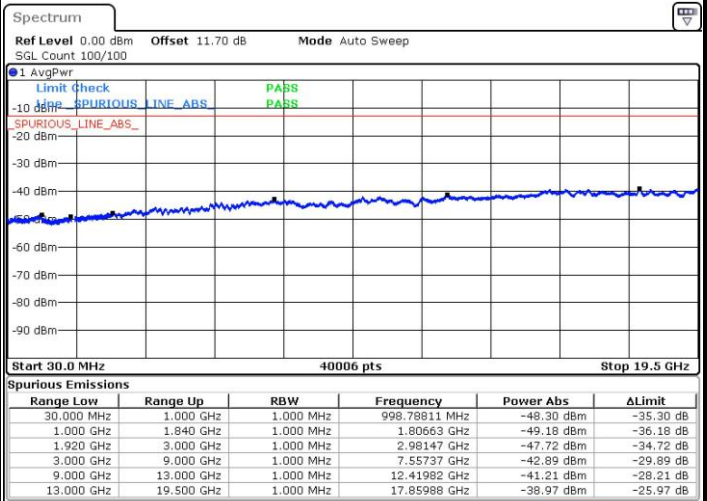
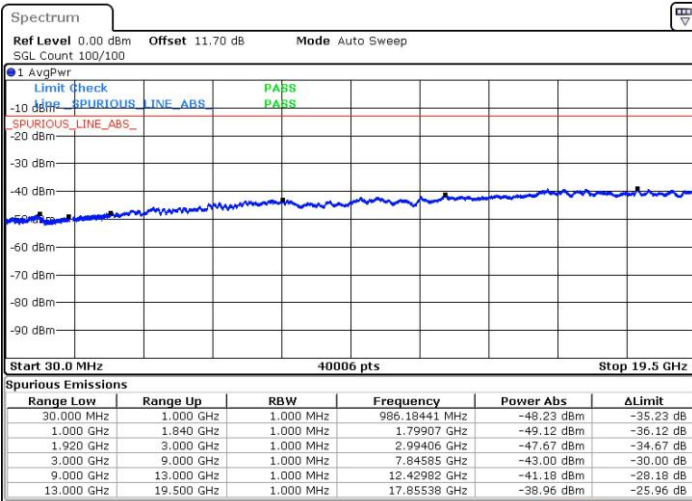


Date: 30 AUG.2018 12:03:50

Date: 30.AUG.2018 12:04:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 AUG.2018 12:09:37

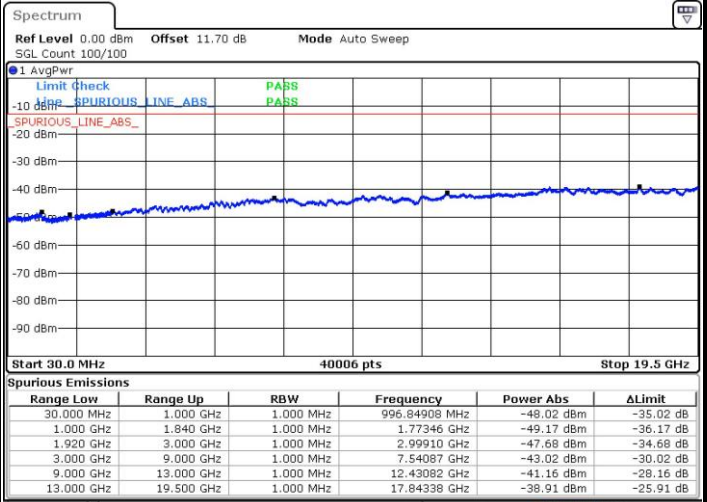
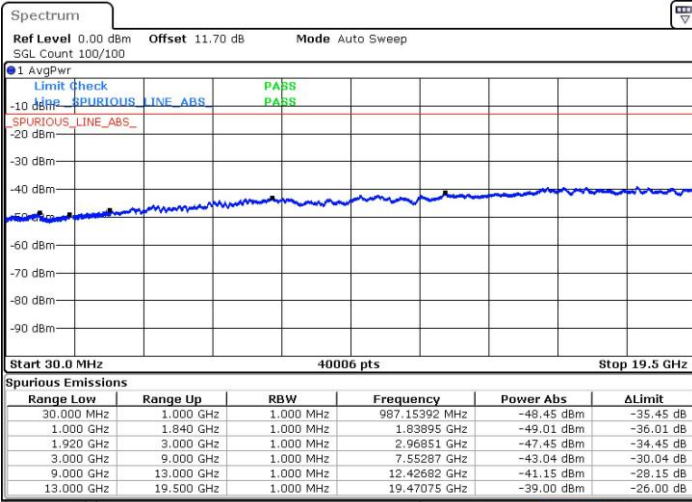
Date: 30.AUG.2018 12:10:28



LTE Band 25 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

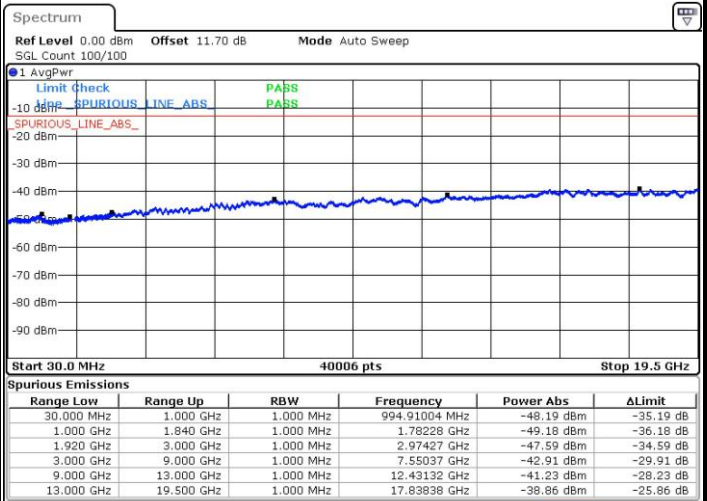
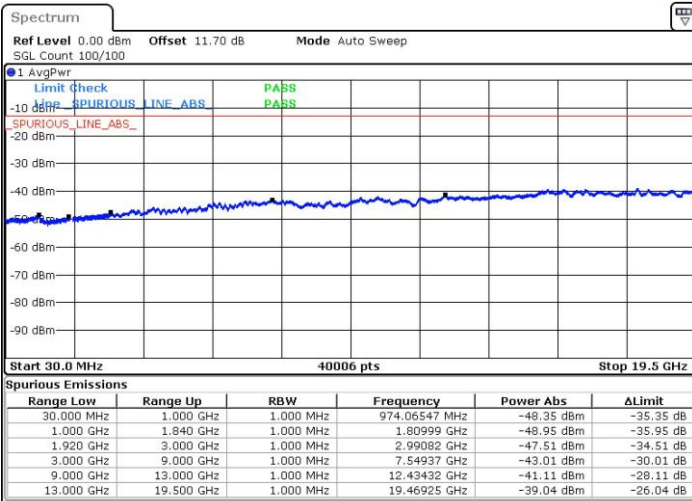


Date: 30.AUG.2018 12:15:24

Date: 30.AUG.2018 12:16:15

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 30.AUG.2018 12:17:51

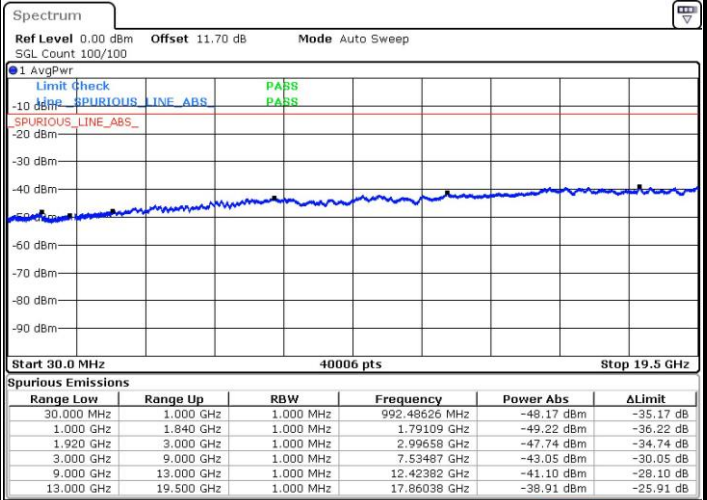
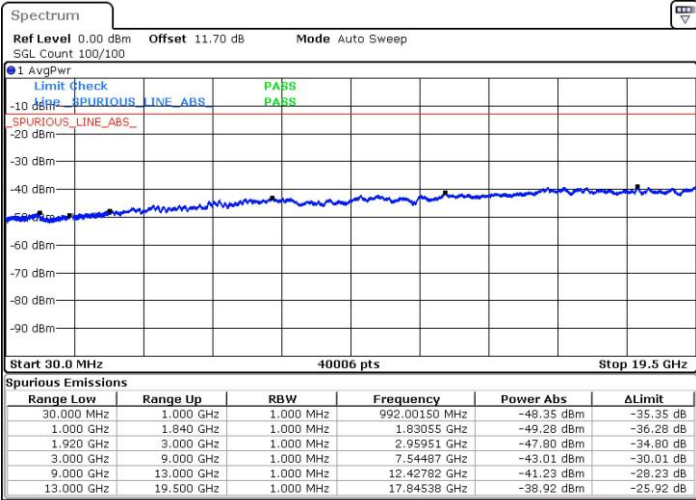
Date: 30.AUG.2018 12:18:41



LTE Band 25 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



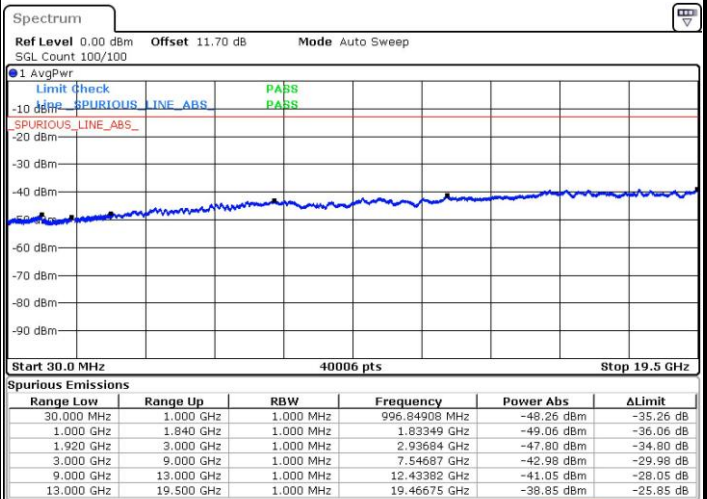
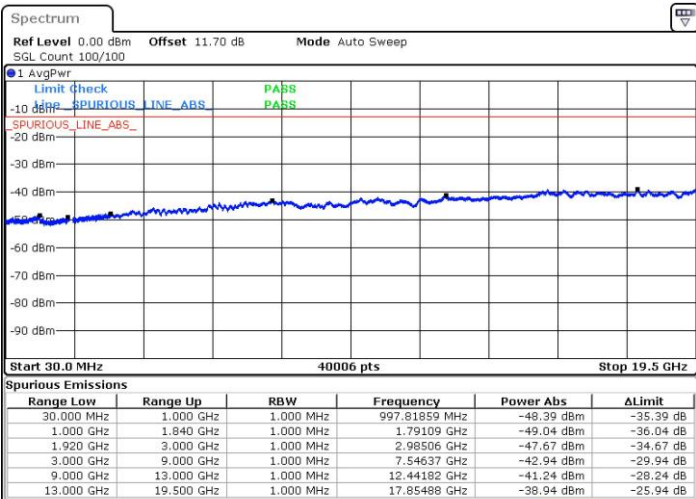
Date: 30.AUG.2018 12:23:39

Date: 30.AUG.2018 12:24:29

LTE Band 25 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 30.AUG.2018 12:29:26

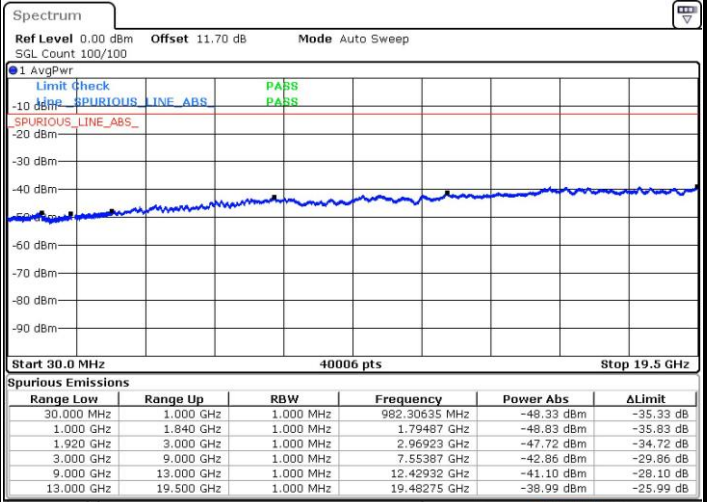
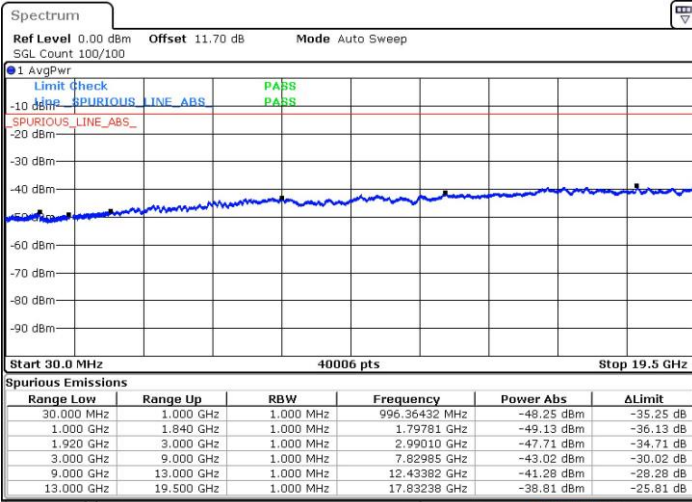
Date: 30.AUG.2018 12:30:17



LTE Band 25 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

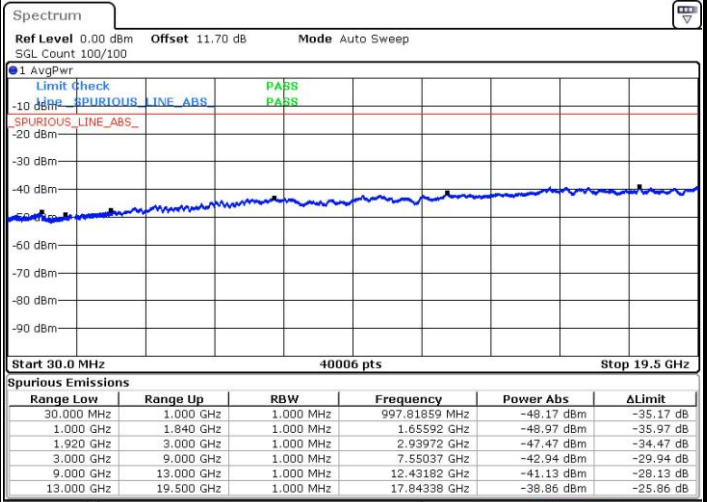
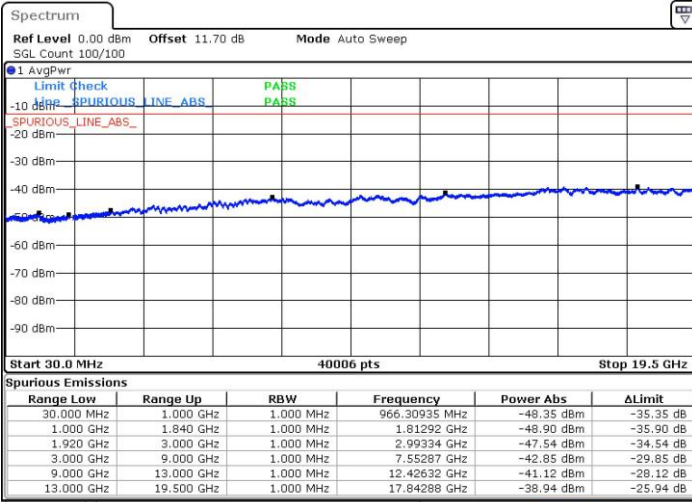


Date: 30.AUG.2018 12:31:53

Date: 30.AUG.2018 12:32:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.AUG.2018 12:37:40

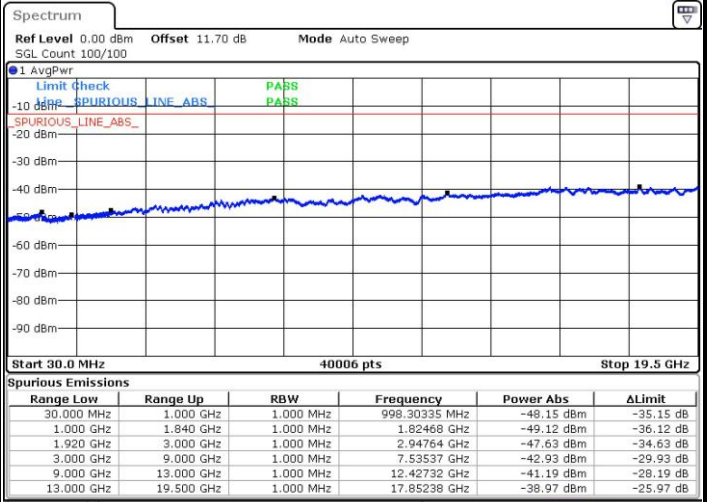
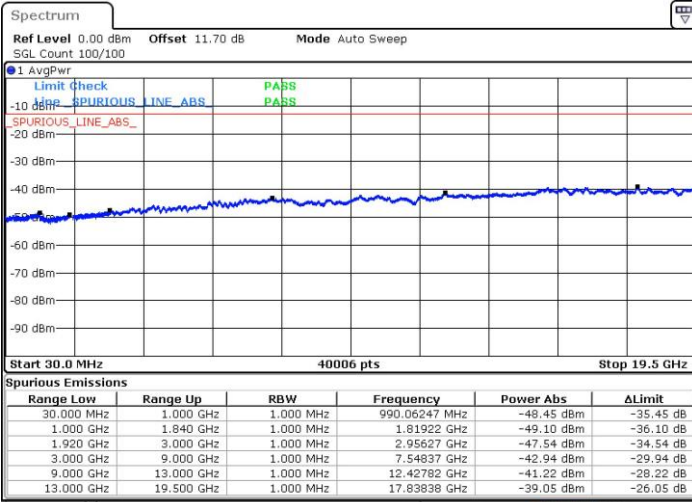
Date: 30.AUG.2018 12:38:31



LTE Band 25 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

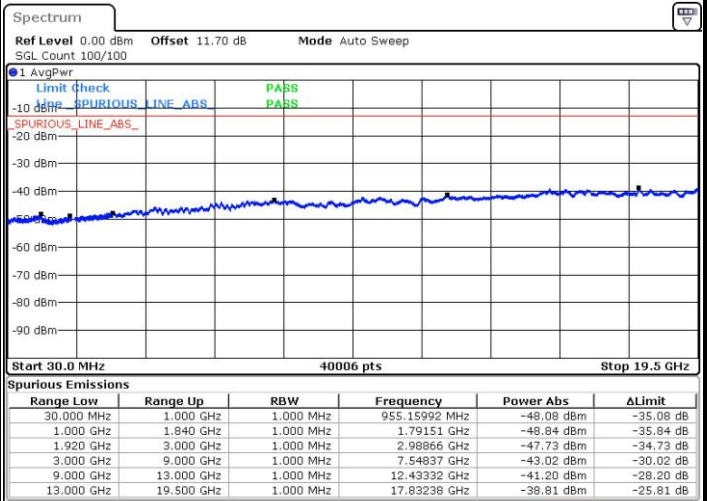
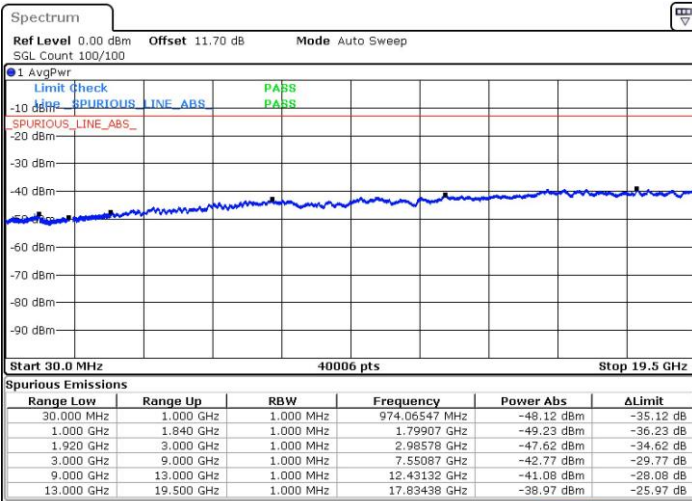


Date: 30.AUG.2018 12:43:28

Date: 30.AUG.2018 12:44:18

Middle Channel / QPSK

Middle Channel / 16QAM



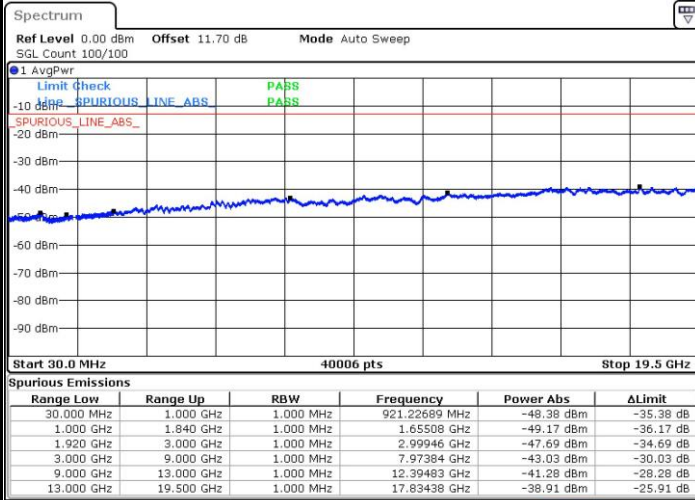
Date: 30.AUG.2018 12:45:55

Date: 30.AUG.2018 12:46:46



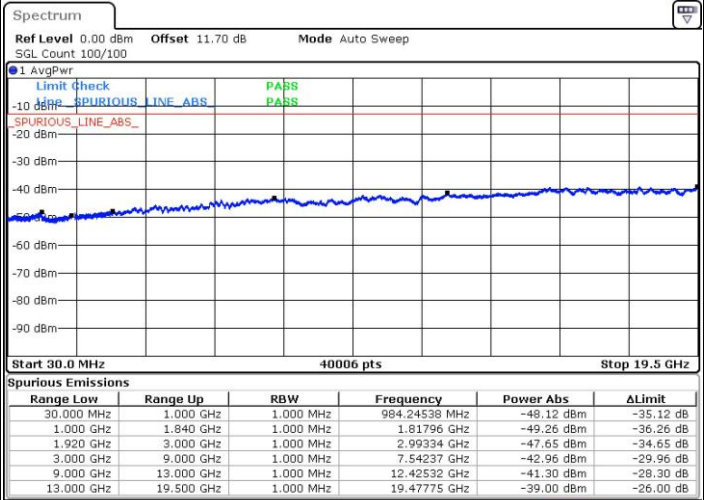
LTE Band 25 / 15MHz

Highest Channel / QPSK



Date: 30 AUG.2018 12:51:43

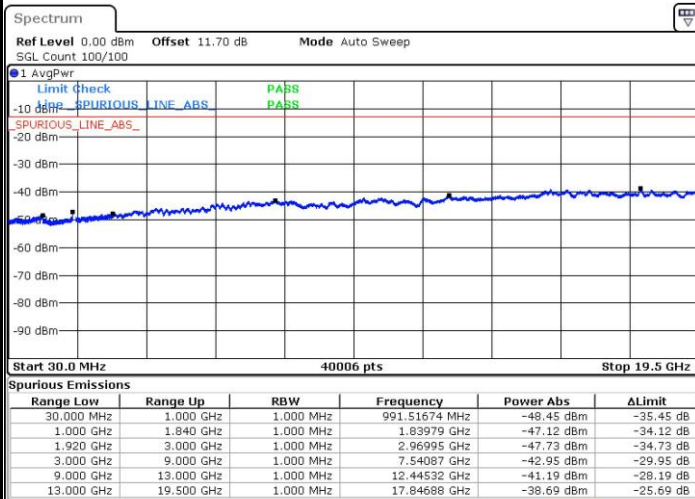
Highest Channel / 16QAM



Date: 30 AUG.2018 12:52:33

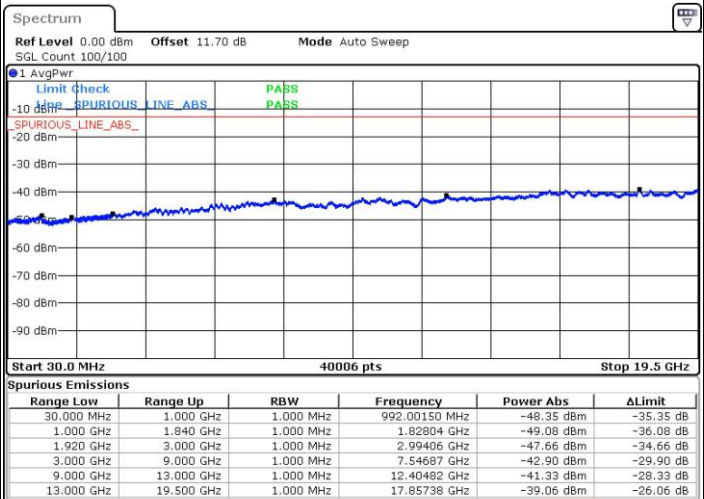
LTE Band 25 / 20MHz

Lowest Channel / QPSK



Date: 30 AUG.2018 12:57:30

Lowest Channel / 16QAM



Date: 30 AUG.2018 12:58:20

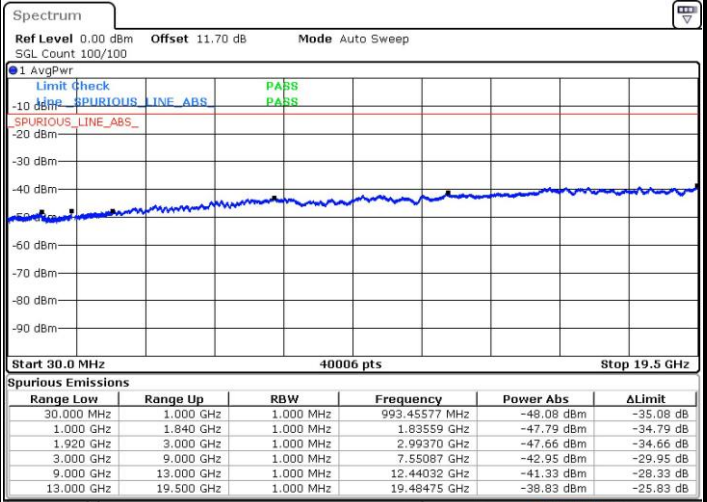
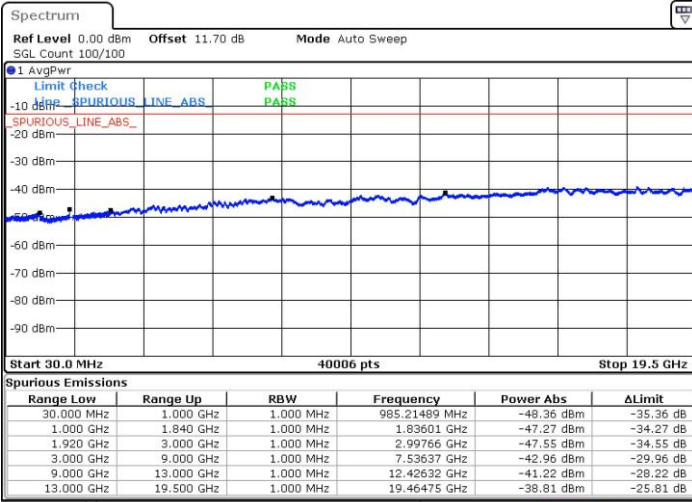




LTE Band 25 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

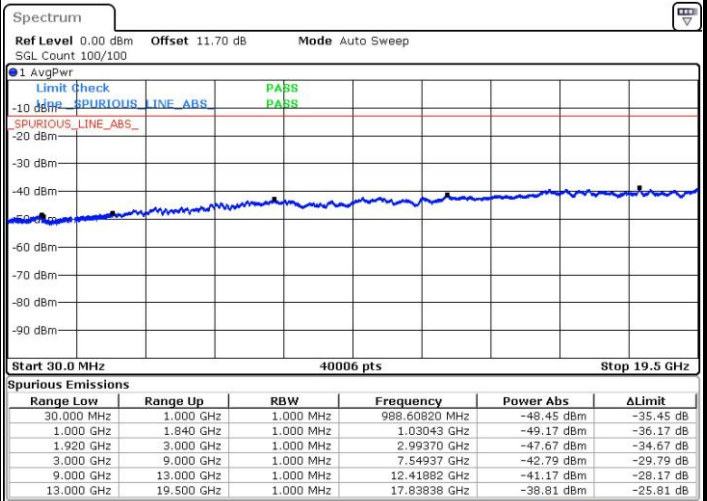
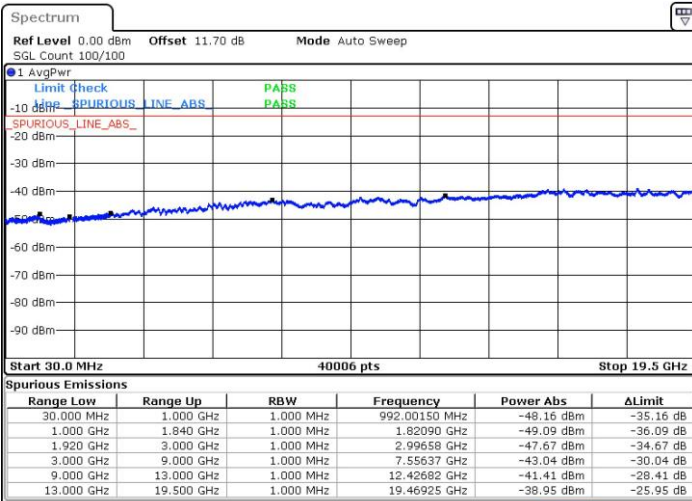


Date: 30 AUG.2018 12:59:56

Date: 30.AUG.2018 13:00:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 AUG.2018 13:06:01

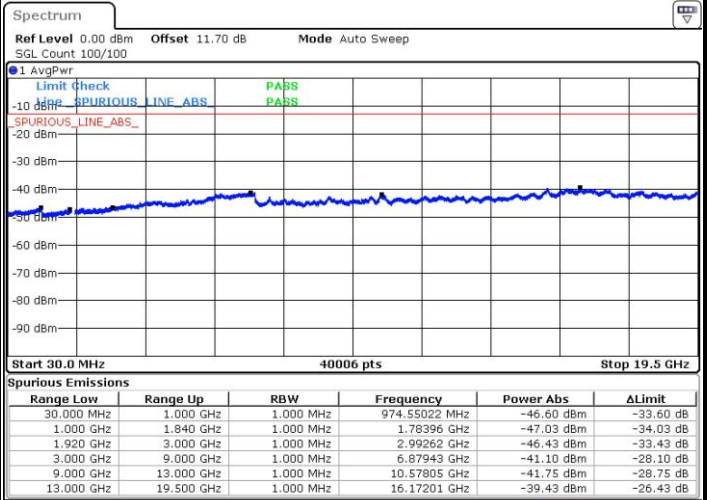
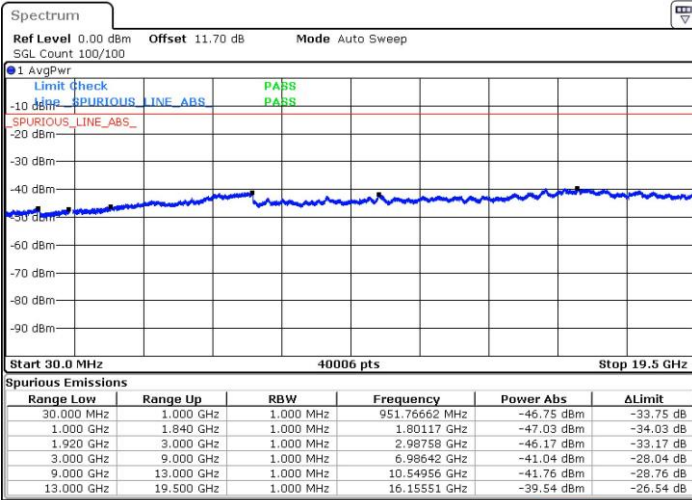
Date: 30.AUG.2018 13:06:51



LTE Band 25 / 1.4MHz

Lowest Channel / 64QAM

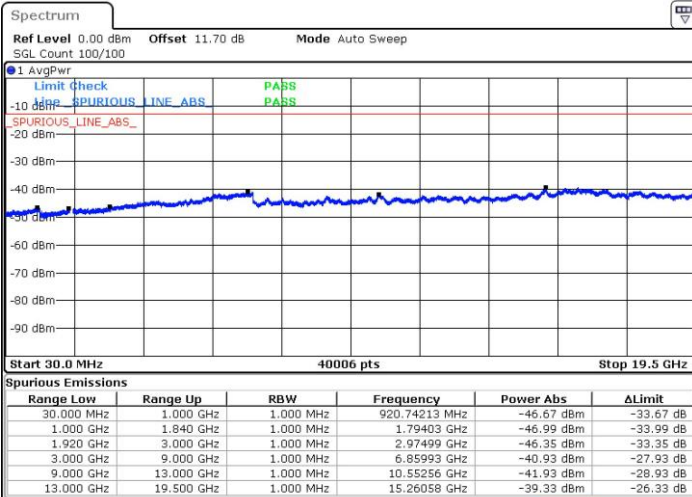
Middle Channel / 64QAM



Date: 14.NOV.2018 17:49:37

Date: 14.NOV.2018 17:51:00

Highest Channel / 64QAM



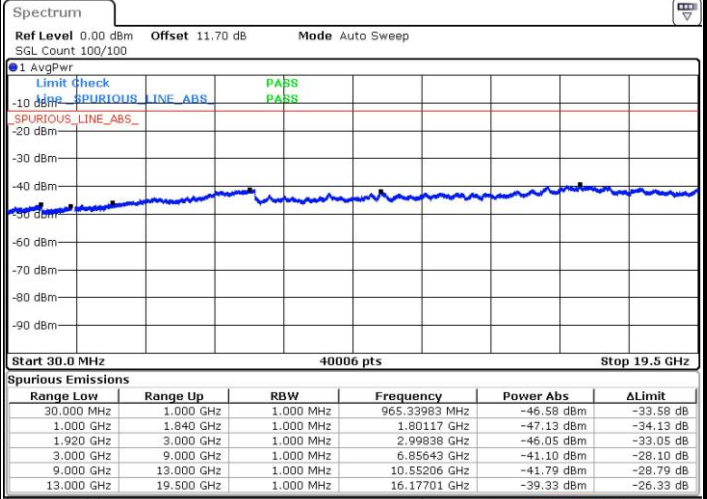
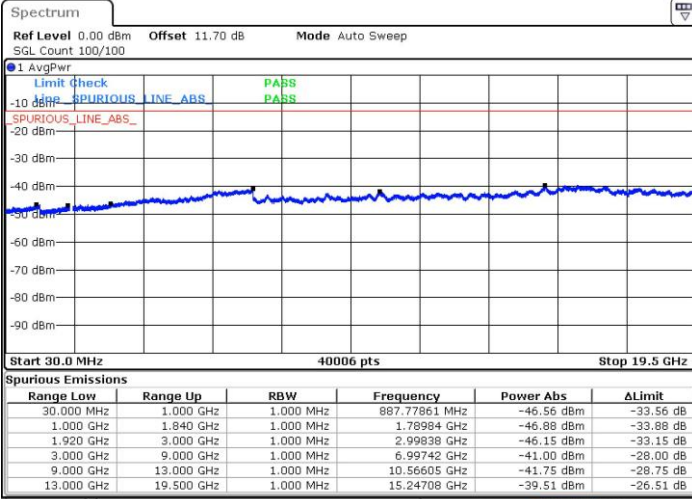
Date: 14.NOV.2018 17:54:35



LTE Band 25 / 3MHz

Lowest Channel / 64QAM

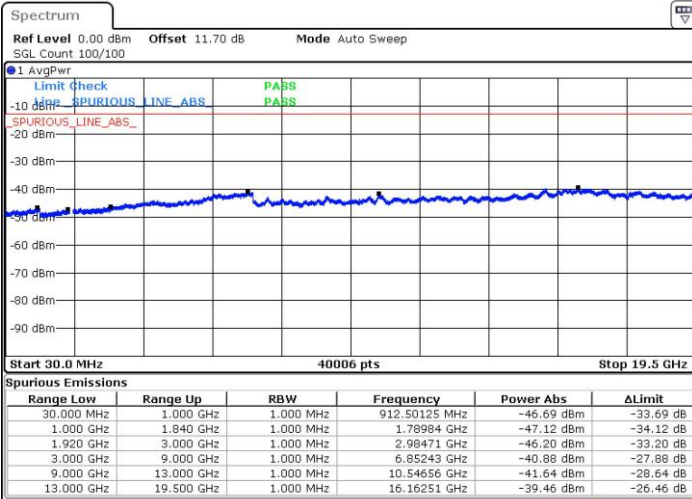
Middle Channel / 64QAM



Date: 14.NOV.2018 16:22:43

Date: 14.NOV.2018 16:24:05

Highest Channel / 64QAM



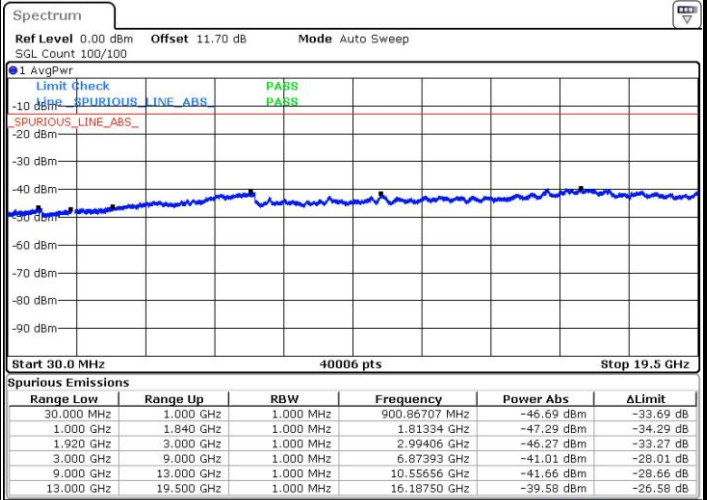
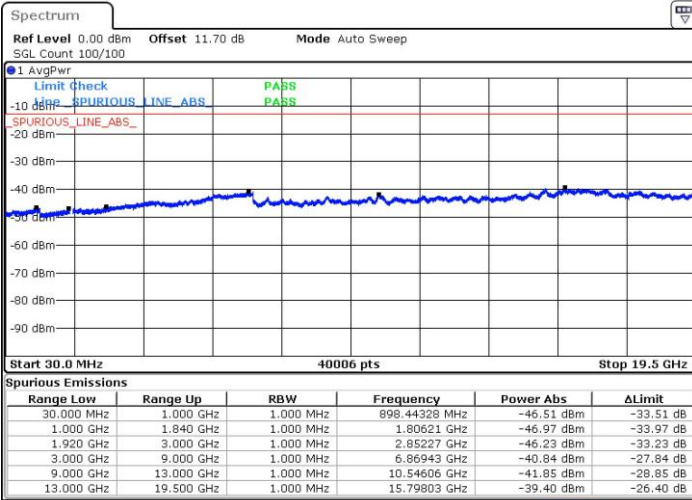
Date: 14.NOV.2018 16:27:25



LTE Band 25 / 5MHz

Lowest Channel / 64QAM

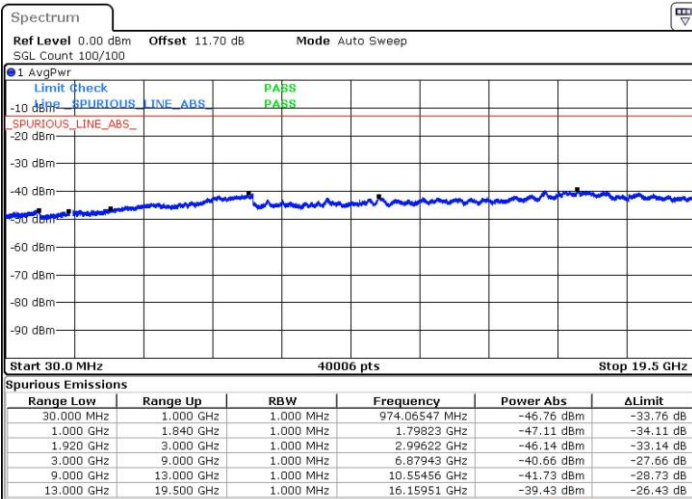
Middle Channel / 64QAM



Date: 14.NOV.2018 16:30:45

Date: 14.NOV.2018 16:32:07

Highest Channel / 64QAM



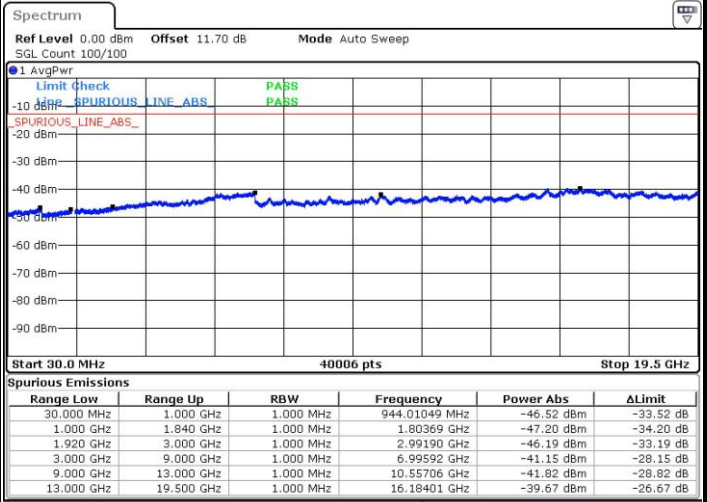
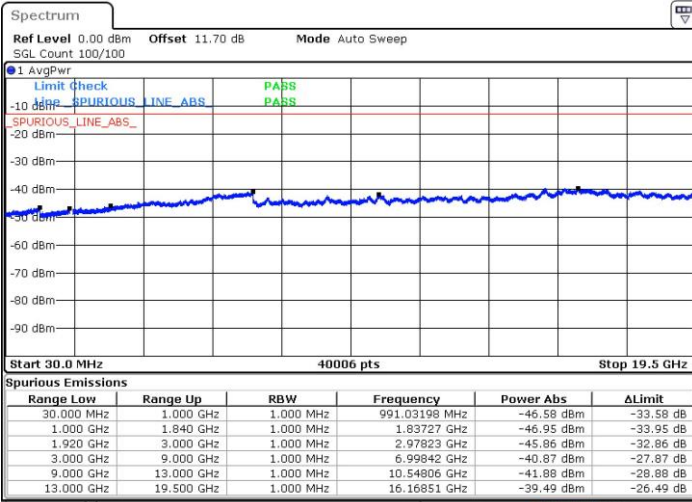
Date: 14.NOV.2018 16:35:27



LTE Band 25 / 10MHz

Lowest Channel / 64QAM

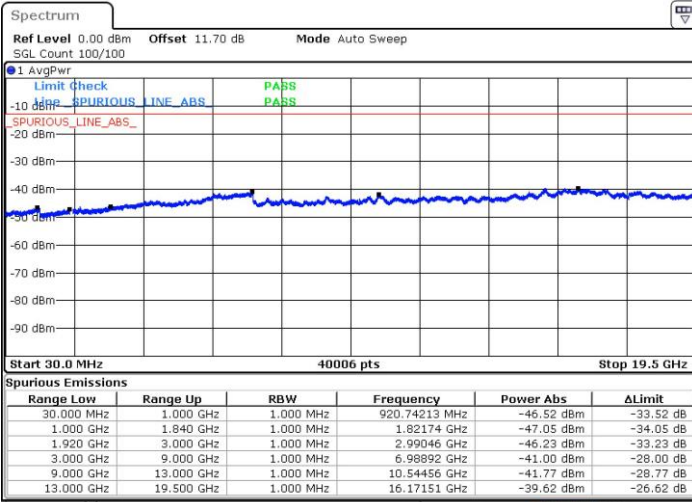
Middle Channel / 64QAM



Date: 14.NOV.2018 16:38:46

Date: 14.NOV.2018 16:40:08

Highest Channel / 64QAM



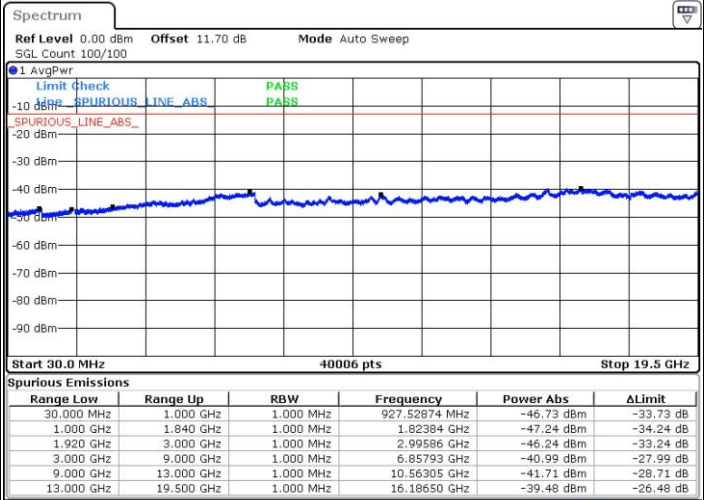
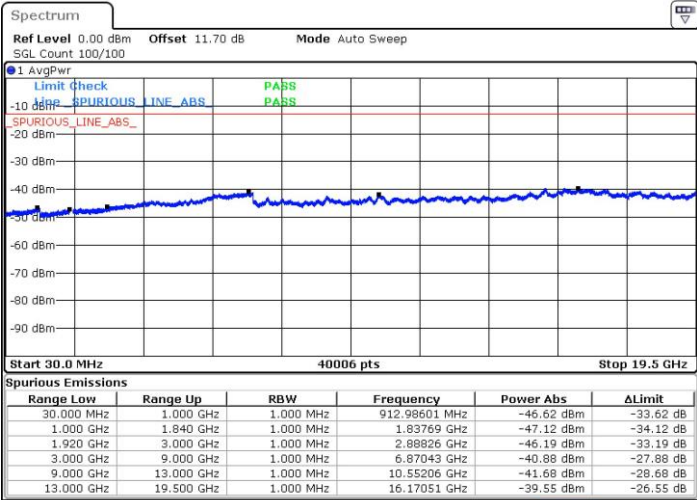
Date: 14.NOV.2018 16:43:28



LTE Band 25 / 15MHz

Lowest Channel / 64QAM

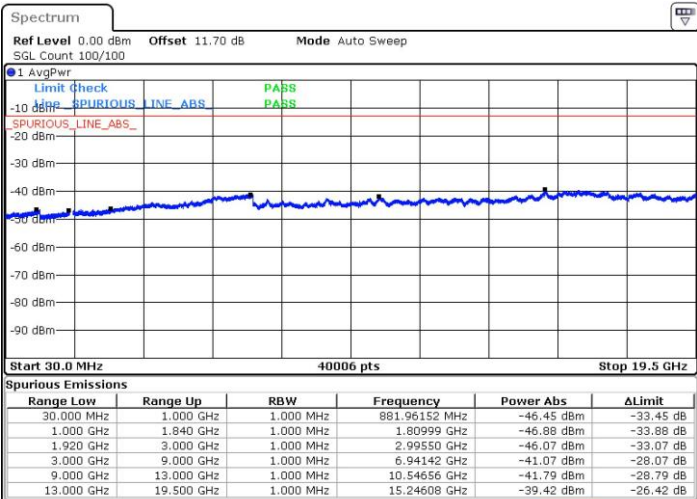
Middle Channel / 64QAM



Date: 14.NOV.2018 16:46:47

Date: 14.NOV.2018 16:48:09

Highest Channel / 64QAM



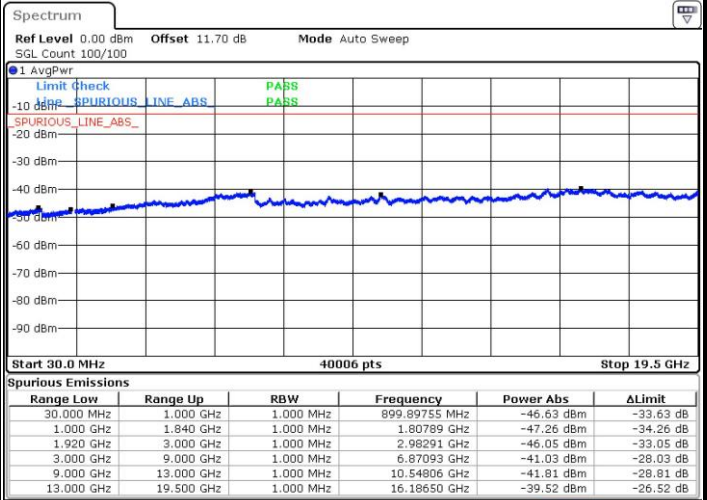
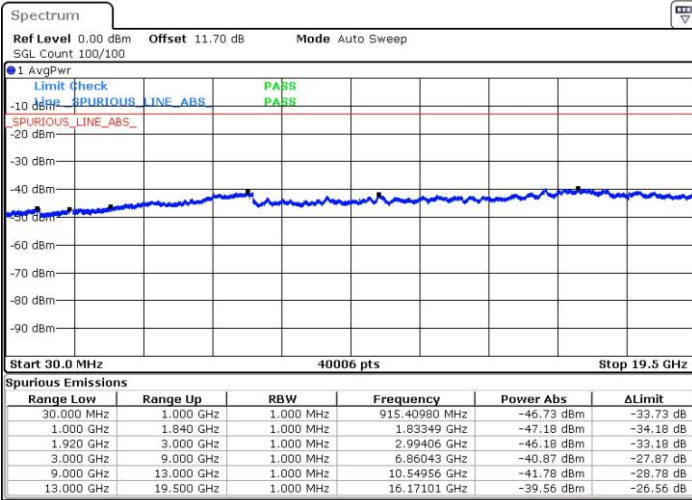
Date: 14.NOV.2018 16:51:28



LTE Band 25 / 20MHz

Lowest Channel / 64QAM

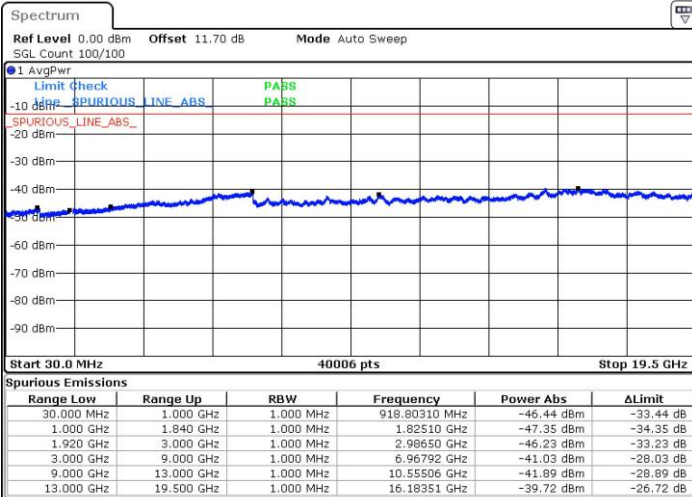
Middle Channel / 64QAM



Date: 14.NOV.2018 16:54:47

Date: 14.NOV.2018 16:56:10

Highest Channel / 64QAM



Date: 14.NOV.2018 16:59:29



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	0.0004	PASS
40	Normal Voltage	0.0053	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0052	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0058	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





# LTE Band 66

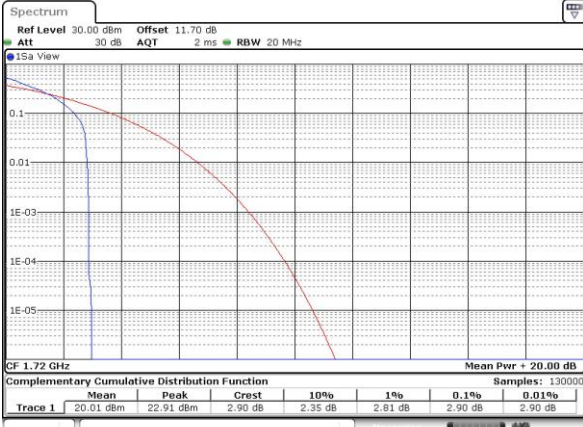
## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	2.9	4.09	3.77	5.28	PASS
Middle CH	3.19	3.8	4.52	4.99	
Highest CH	3.33	3.88	4.35	4.99	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.87	5.83	-	-	PASS
Middle CH	5.28	5.62	-	-	
Highest CH	5.48	5.59	-	-	



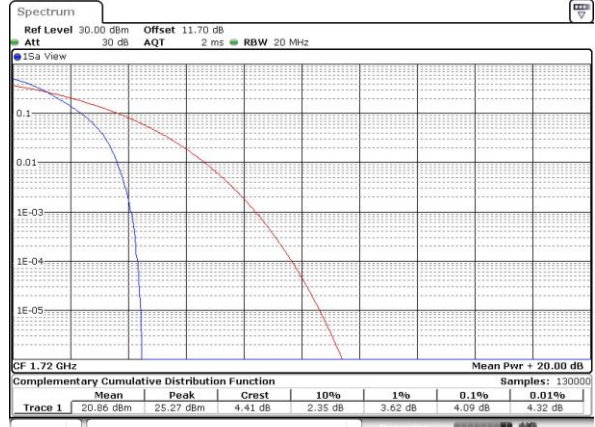
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



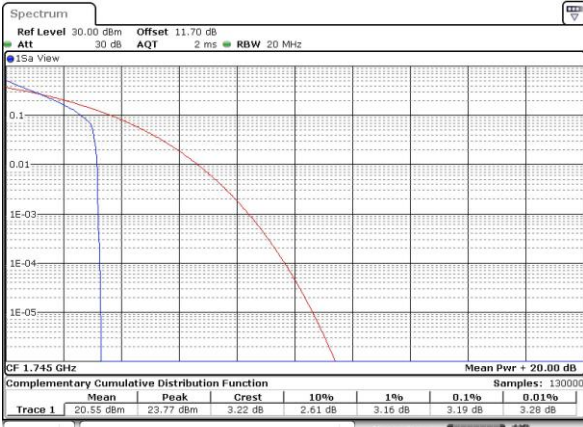
Date: 30 AUG 2018 18:35:41

Lowest Channel / Full RB



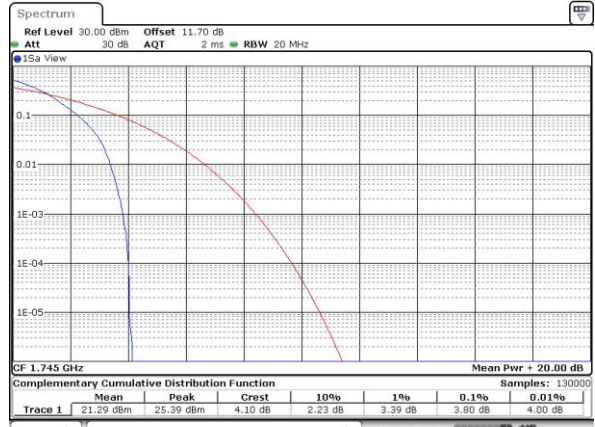
Date: 30 AUG 2018 18:36:06

Middle Channel / 1RB



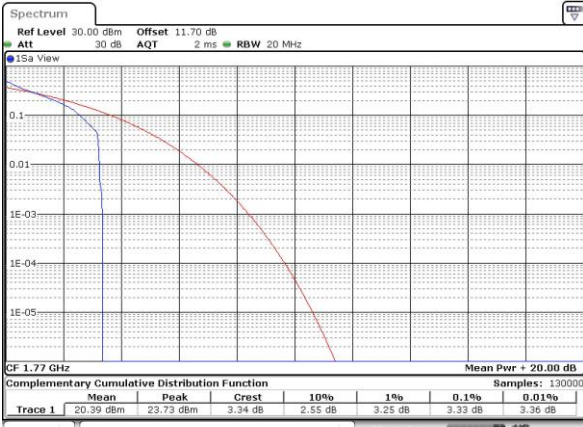
Date: 30 AUG 2018 18:36:21

Middle Channel / Full RB



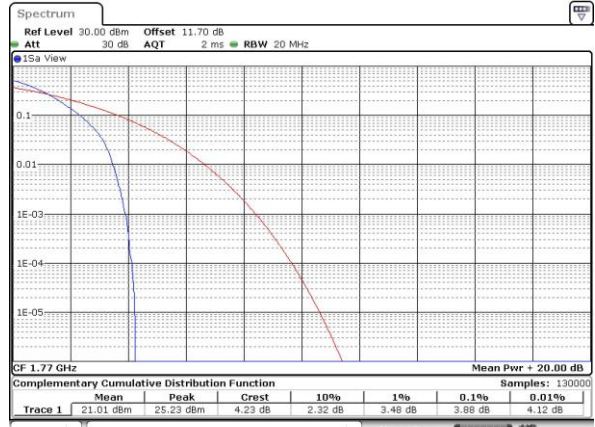
Date: 30 AUG 2018 18:36:41

Highest Channel / 1RB



Date: 30 AUG 2018 18:36:58

Highest Channel / Full RB



Date: 30 AUG 2018 18:37:10



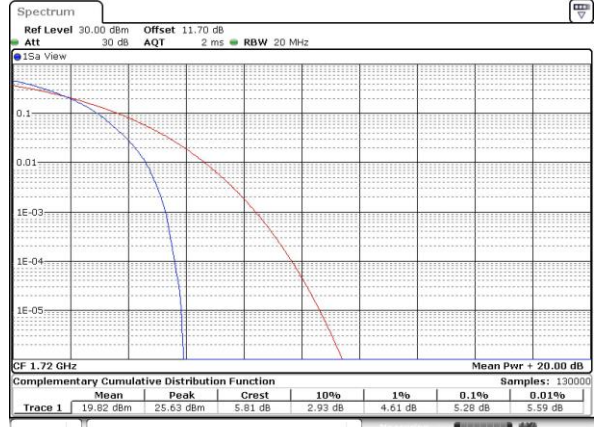
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



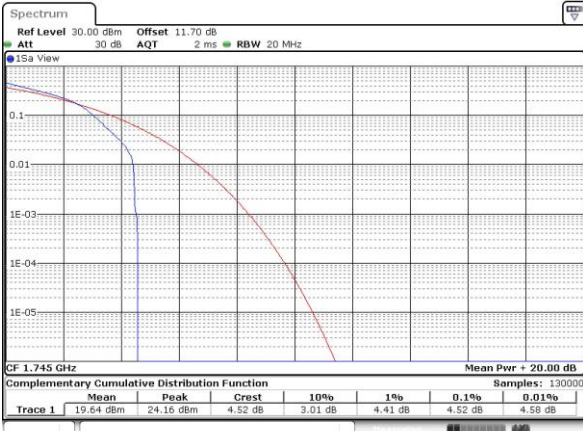
Date: 30 AUG 2018 18:09:32

Lowest Channel / Full RB



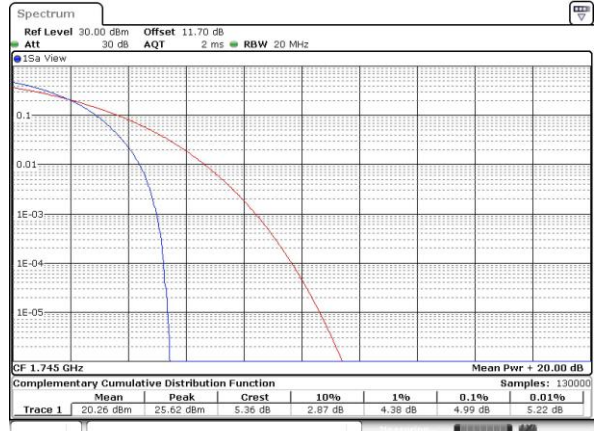
Date: 30 AUG 2018 18:09:43

Middle Channel / 1RB



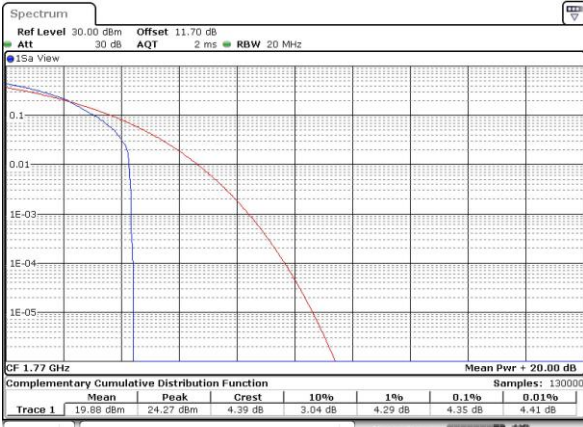
Date: 30 AUG 2018 18:09:55

Middle Channel / Full RB



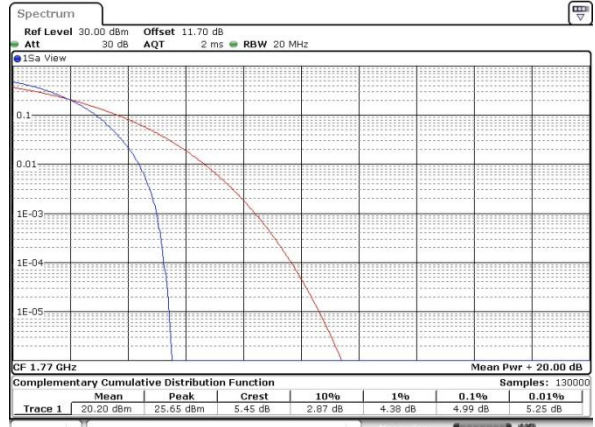
Date: 30 AUG 2018 18:10:09

Highest Channel / 1RB



Date: 30 AUG 2018 18:35:11

Highest Channel / Full RB

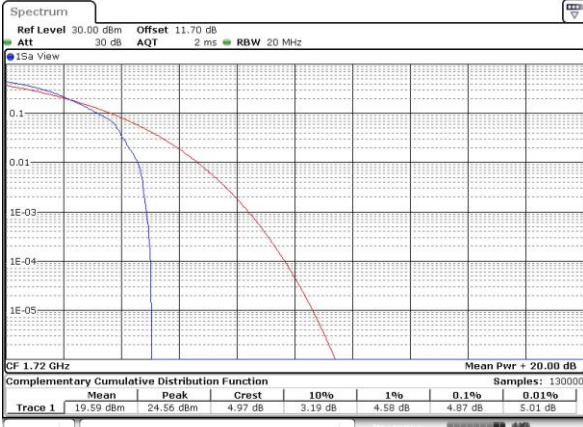


Date: 30 AUG 2018 18:35:25



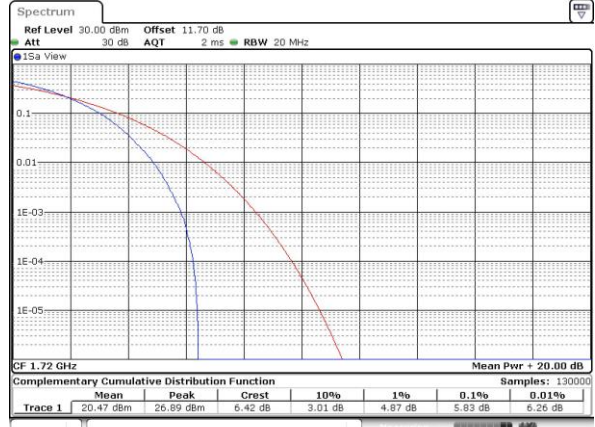
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



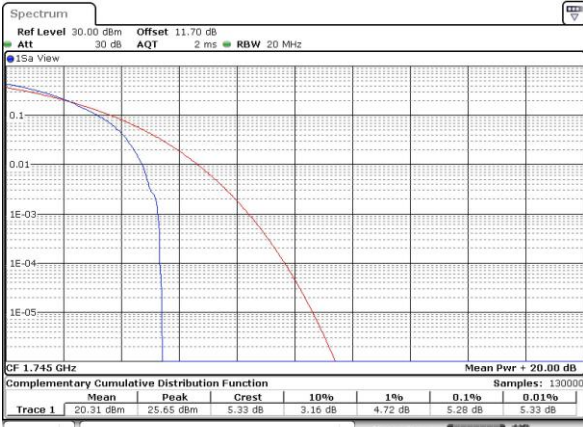
Date: 15 NOV 2018 01:27:52

Lowest Channel / Full RB



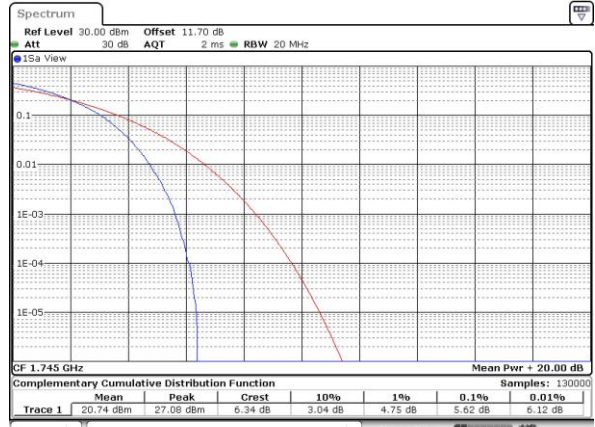
Date: 15 NOV 2018 01:28:03

Middle Channel / 1RB



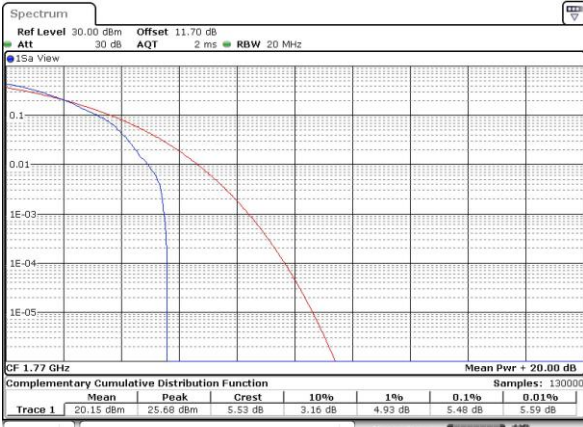
Date: 15 NOV 2018 01:28:15

Middle Channel / Full RB



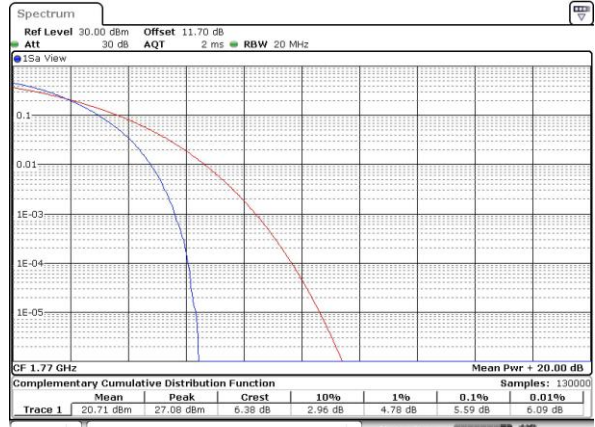
Date: 15 NOV 2018 01:28:33

Highest Channel / 1RB



Date: 15 NOV 2018 01:28:45

Highest Channel / Full RB



Date: 15 NOV 2018 01:28:57



**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.25	1.23	3.05	3.04	4.93	4.87	9.97	9.83	14.39	14.51	20.14	20.22
Middle CH	1.23	1.24	3.08	3.00	4.90	4.98	9.93	9.63	14.21	14.54	20.22	20.06
Highest CH	1.24	1.22	3.11	3.03	4.91	4.82	9.87	9.71	14.63	14.39	20.38	20.10
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	2.97	-	4.90	-	9.61	-	14.60	-	20.18	-
Middle CH	1.25	-	3.03	-	4.86	-	9.79	-	14.33	-	20.26	-
Highest CH	1.23	-	3.07	-	4.87	-	9.71	-	14.51	-	20.18	-