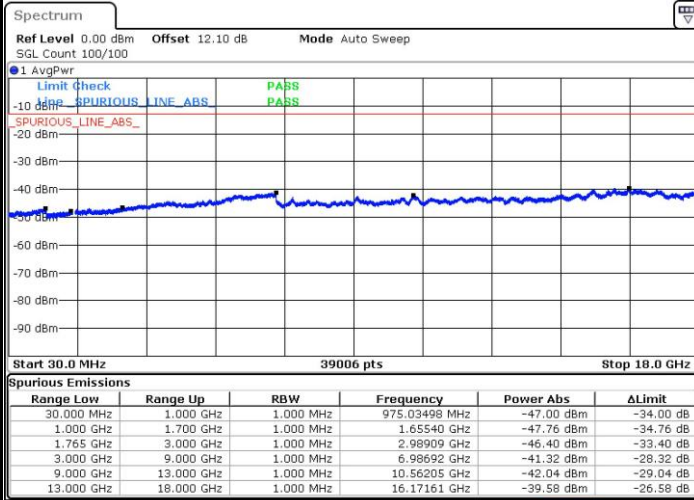




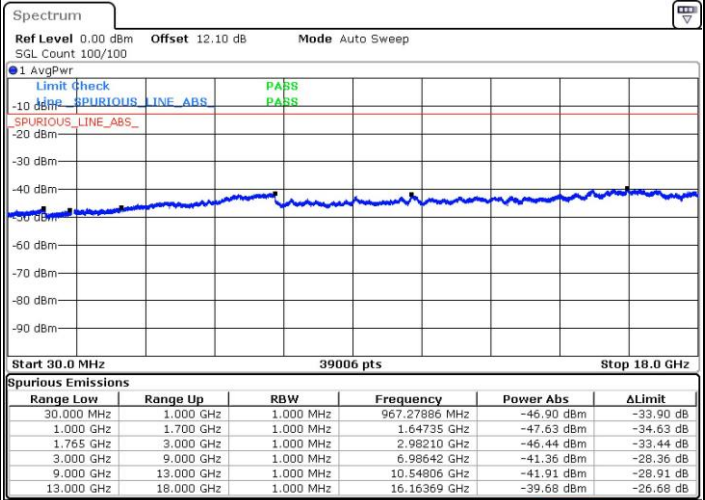
LTE Band 4 / 3MHz

Middle Channel / QPSK



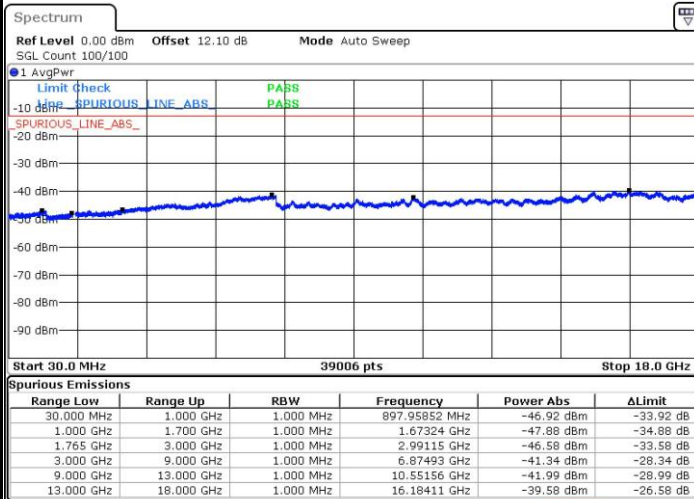
Date: 20.OCT.2018 14:42:48

Middle Channel / 16QAM



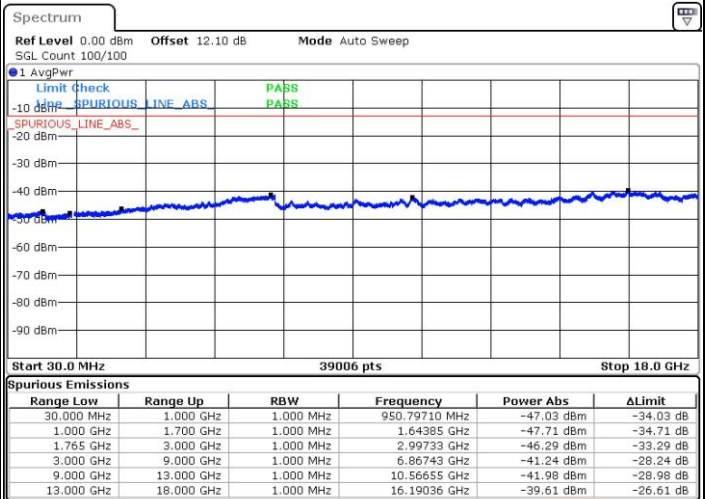
Date: 20.OCT.2018 14:43:49

Highest Channel / QPSK



Date: 20.OCT.2018 14:51:28

Highest Channel / 16QAM

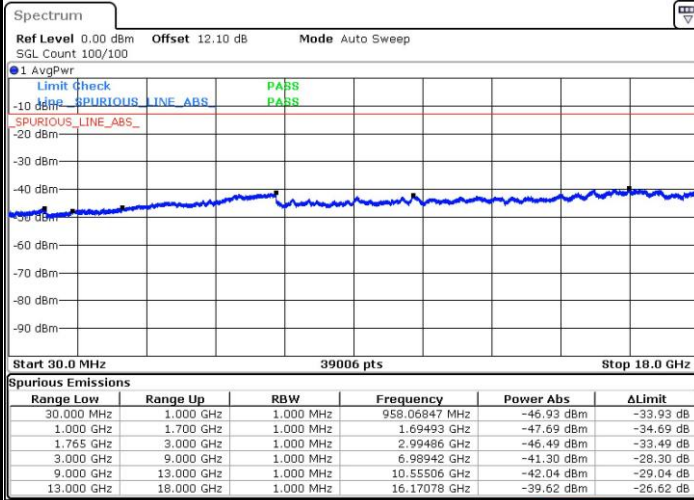


Date: 20.OCT.2018 14:52:28



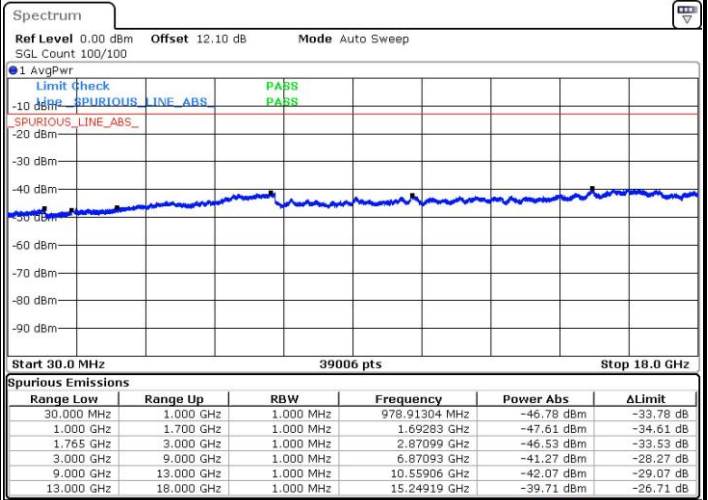
LTE Band 4 / 5MHz

Lowest Channel / QPSK



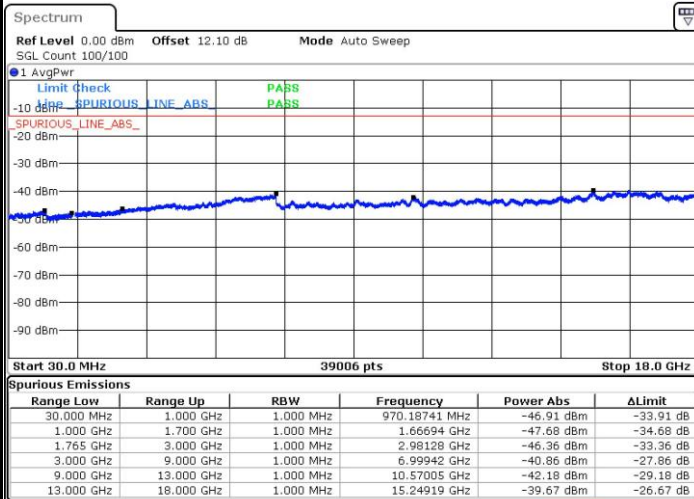
Date: 20.OCT.2018 15:00:07

Lowest Channel / 16QAM



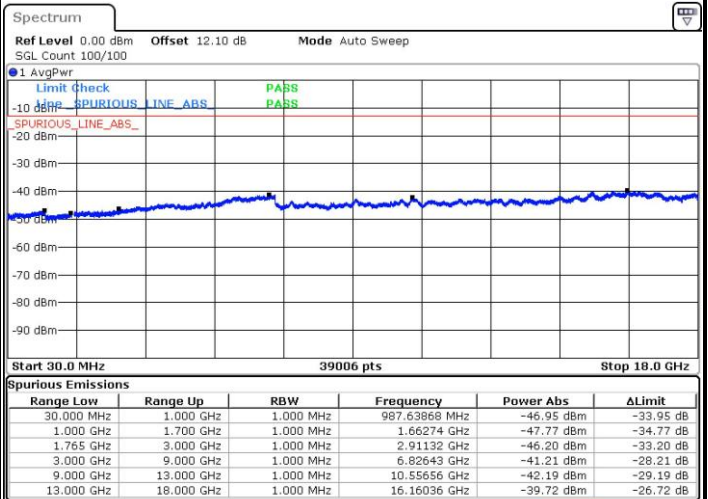
Date: 20.OCT.2018 15:01:08

Middle Channel / QPSK



Date: 20.OCT.2018 15:02:53

Middle Channel / 16QAM

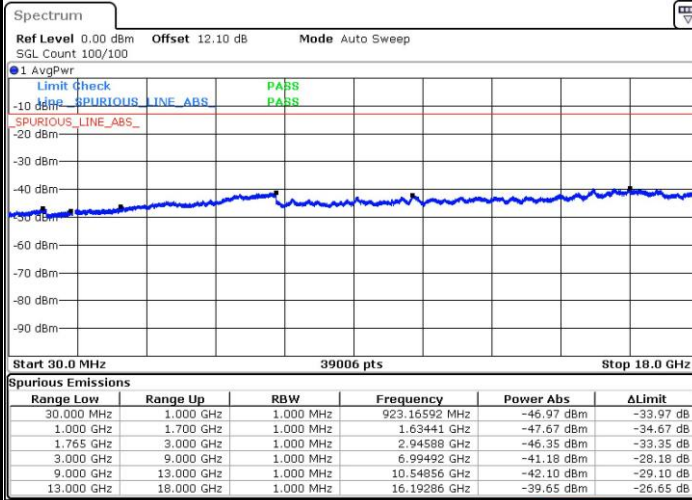


Date: 20.OCT.2018 15:03:53



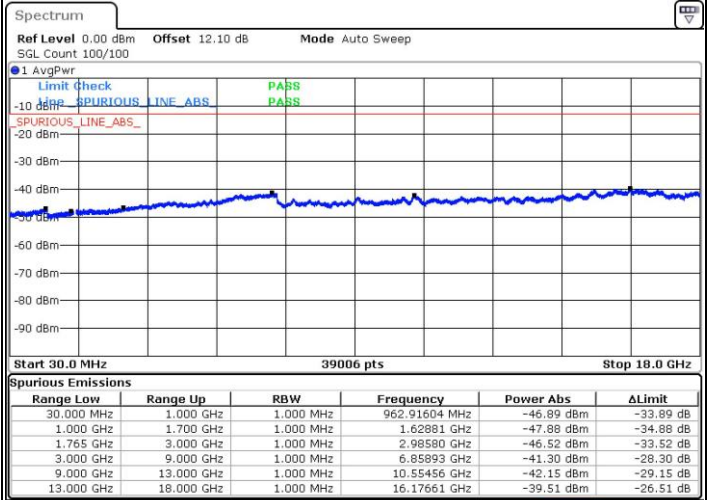
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 20.OCT.2018 15:11:33

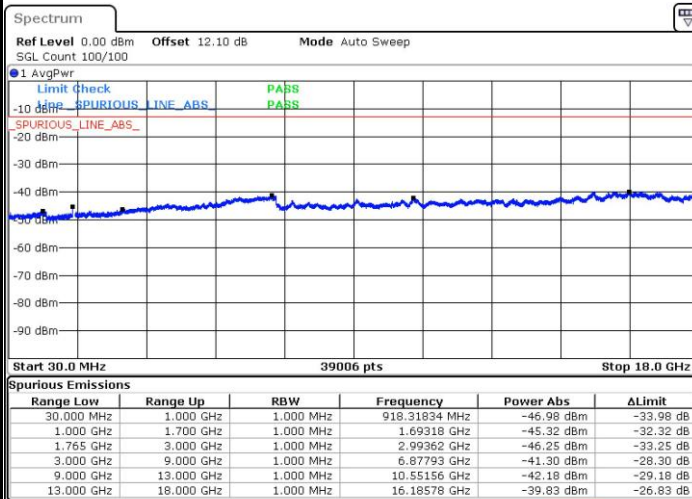
Highest Channel / 16QAM



Date: 20.OCT.2018 15:12:33

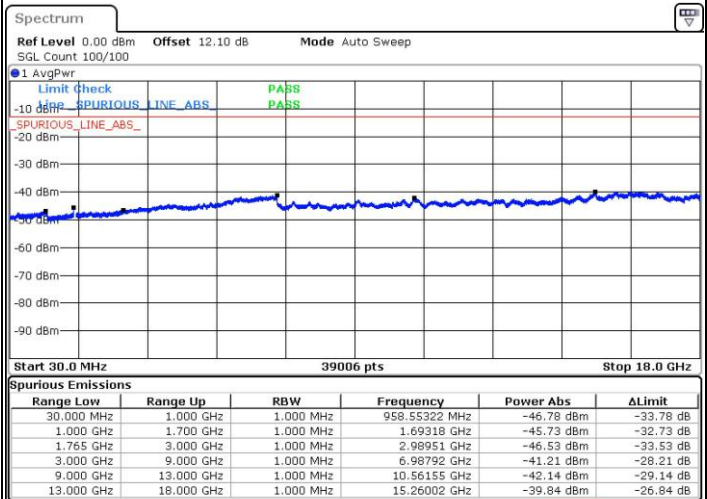
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 20.OCT.2018 15:20:12

Lowest Channel / 16QAM

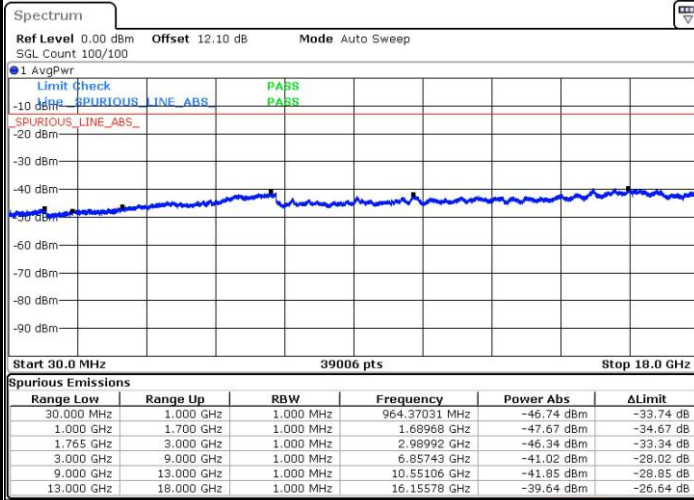


Date: 20.OCT.2018 15:21:12



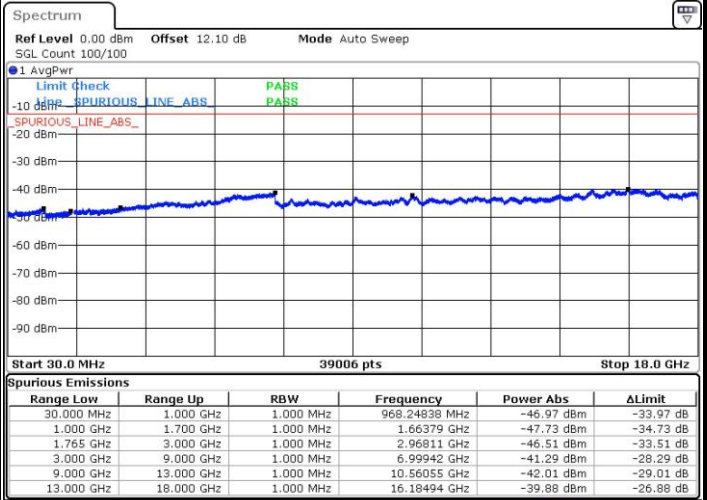
LTE Band 4 / 10MHz

Middle Channel / QPSK



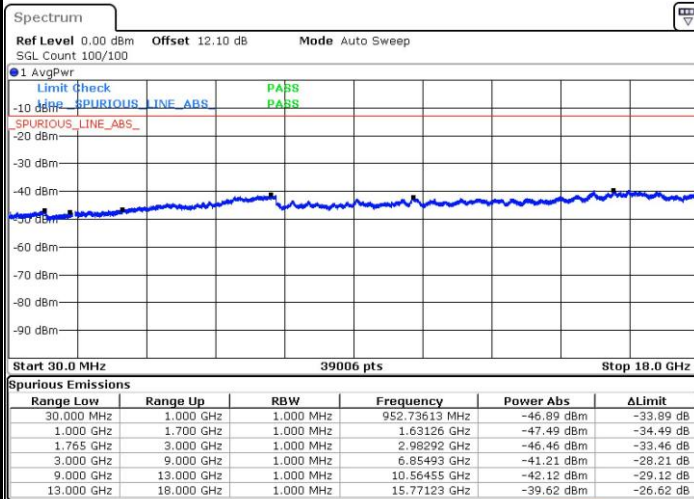
Date: 20.OCT.2018 15:22:57

Middle Channel / 16QAM



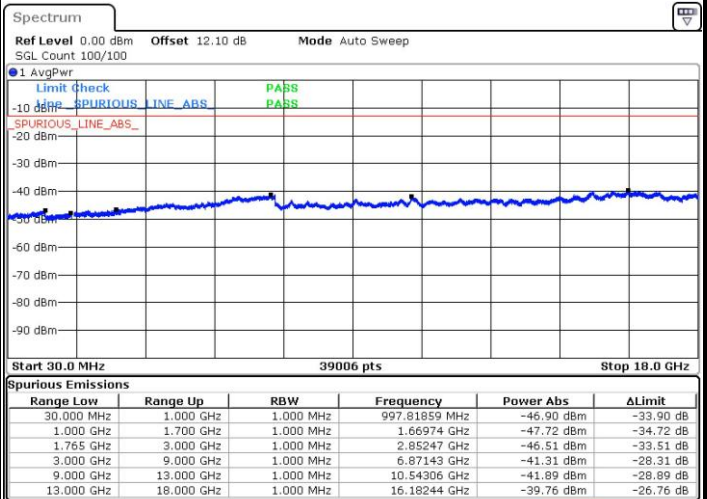
Date: 20.OCT.2018 15:23:58

Highest Channel / QPSK



Date: 20.OCT.2018 15:31:37

Highest Channel / 16QAM

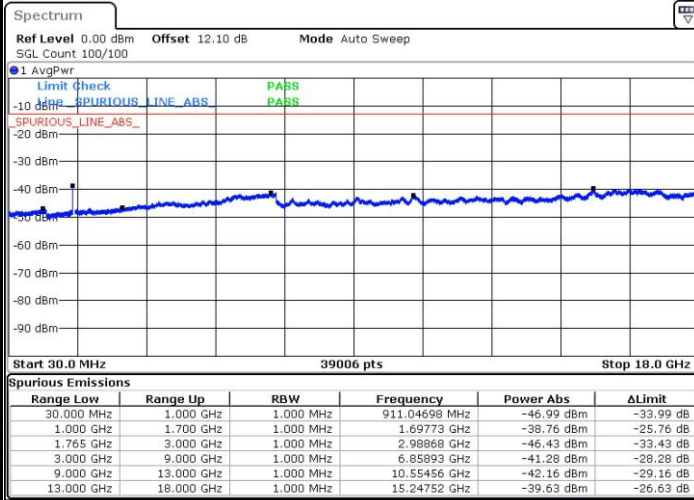


Date: 20.OCT.2018 15:32:37



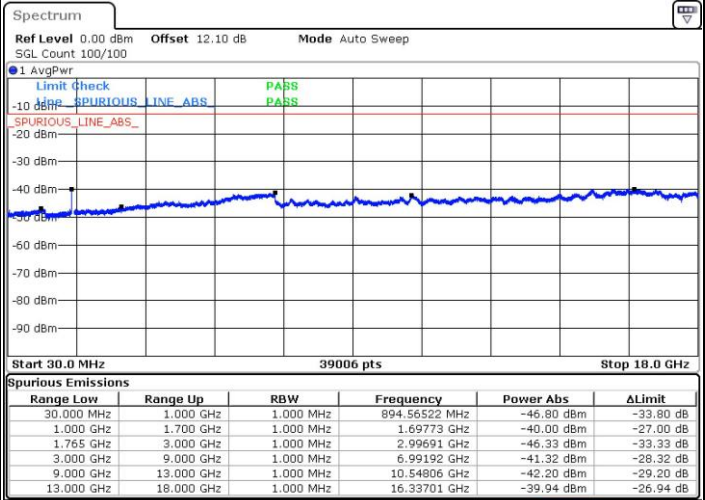
LTE Band 4 / 15MHz

Lowest Channel / QPSK



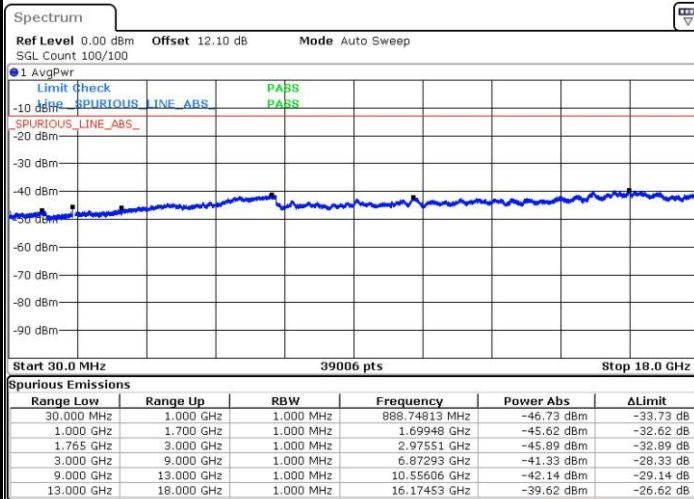
Date: 20.OCT.2018 15:40:17

Lowest Channel / 16QAM



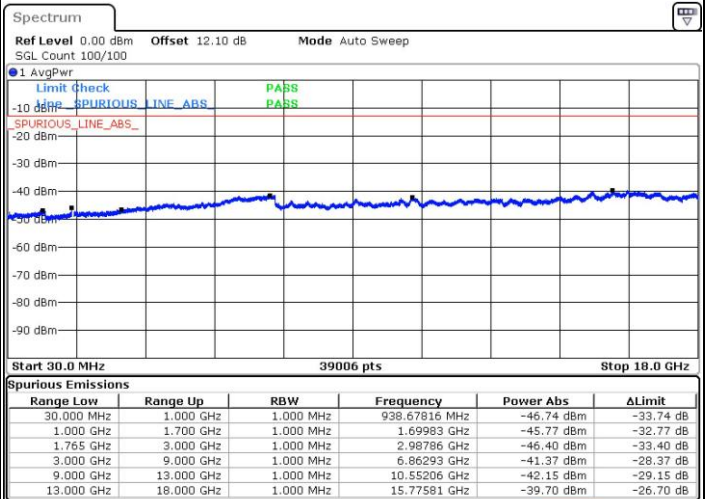
Date: 20.OCT.2018 15:41:17

Middle Channel / QPSK



Date: 20.OCT.2018 15:43:02

Middle Channel / 16QAM

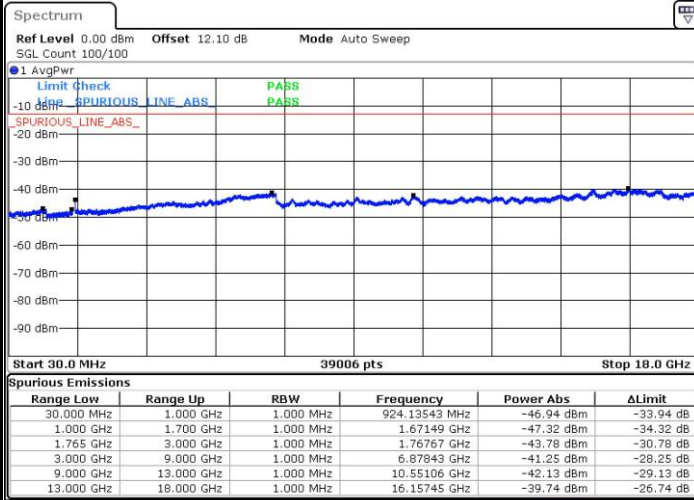


Date: 20.OCT.2018 15:44:02



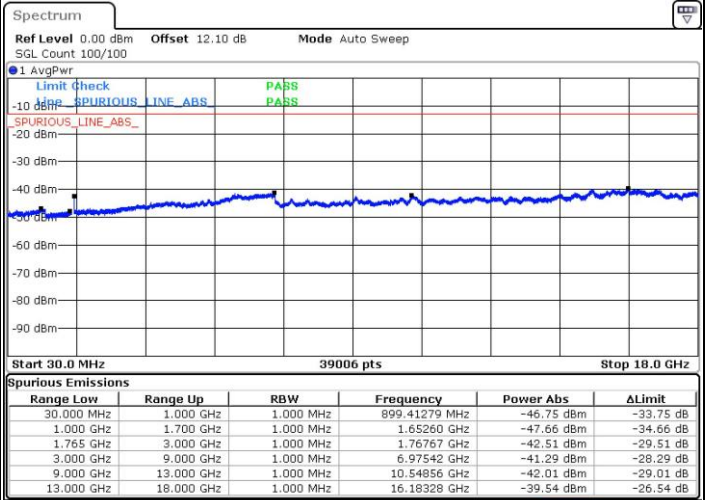
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 20.OCT.2018 15:51:42

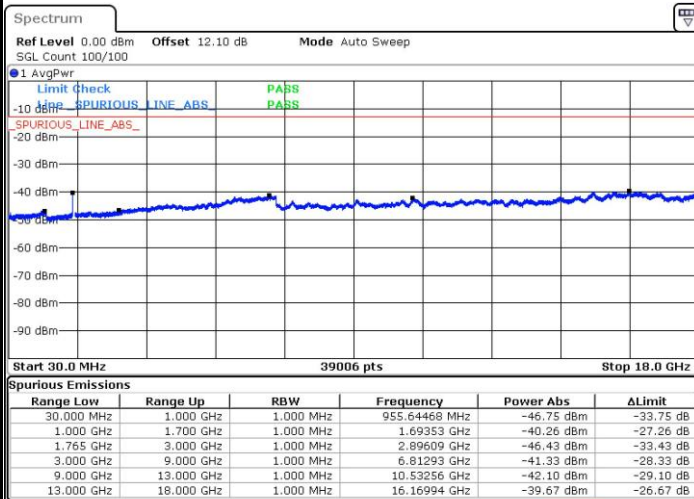
Highest Channel / 16QAM



Date: 20.OCT.2018 15:52:42

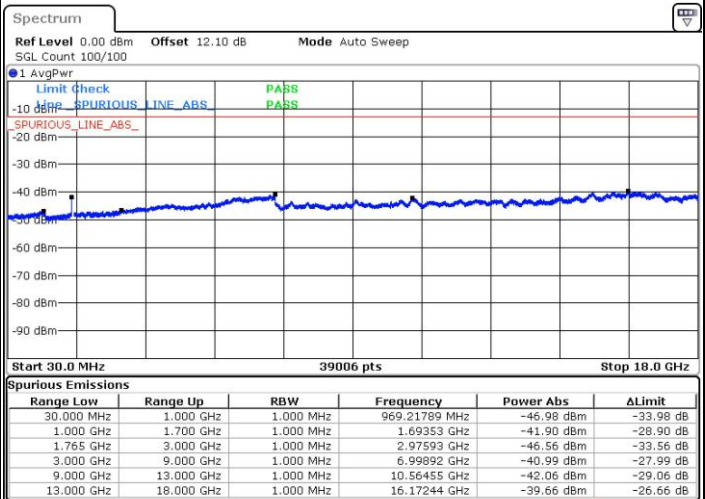
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 20.OCT.2018 16:00:21

Lowest Channel / 16QAM

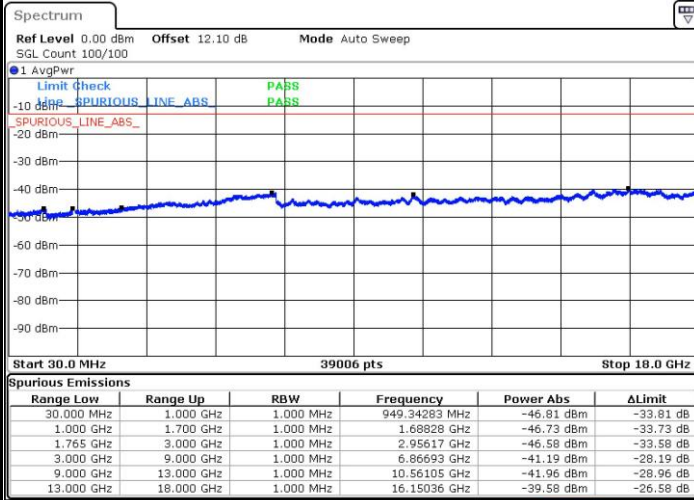


Date: 20.OCT.2018 16:01:22



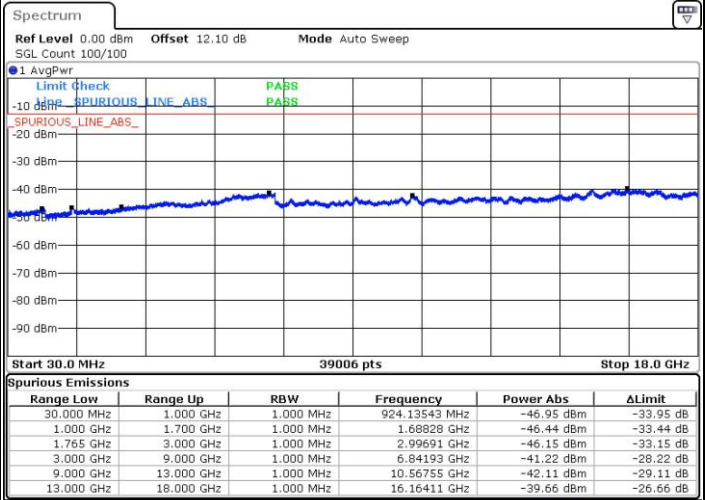
LTE Band 4 / 20MHz

Middle Channel / QPSK



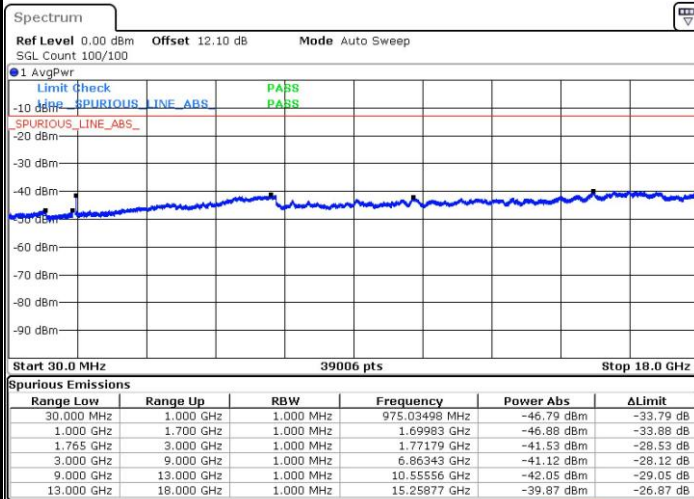
Date: 20.OCT.2018 16:07:04

Middle Channel / 16QAM



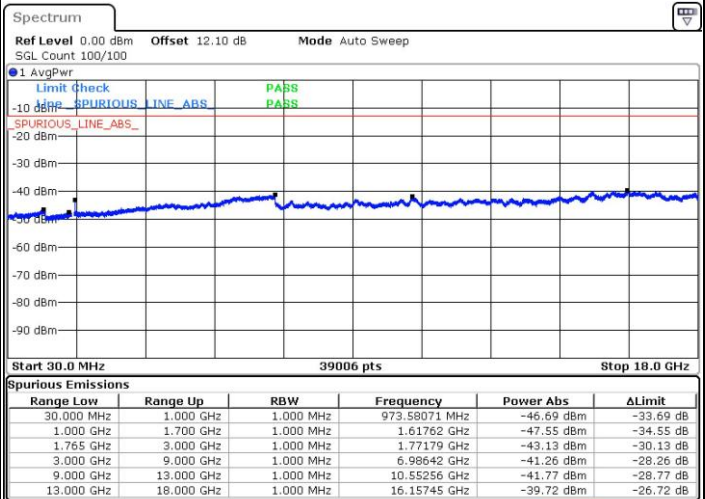
Date: 20.OCT.2018 16:08:04

Highest Channel / QPSK



Date: 20.OCT.2018 16:14:24

Highest Channel / 16QAM

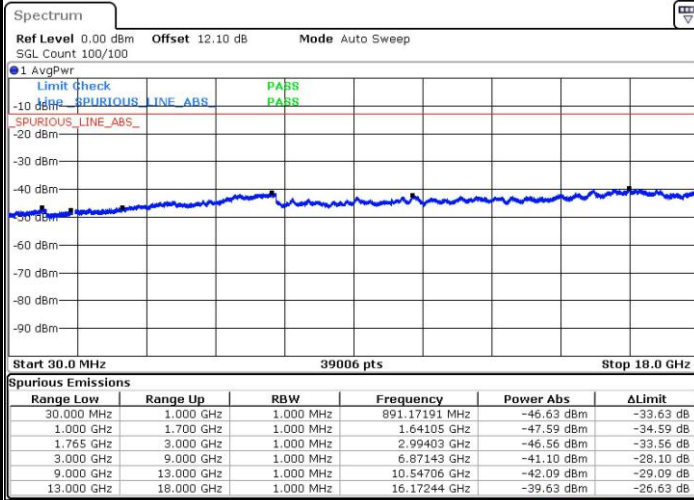


Date: 20.OCT.2018 16:15:25



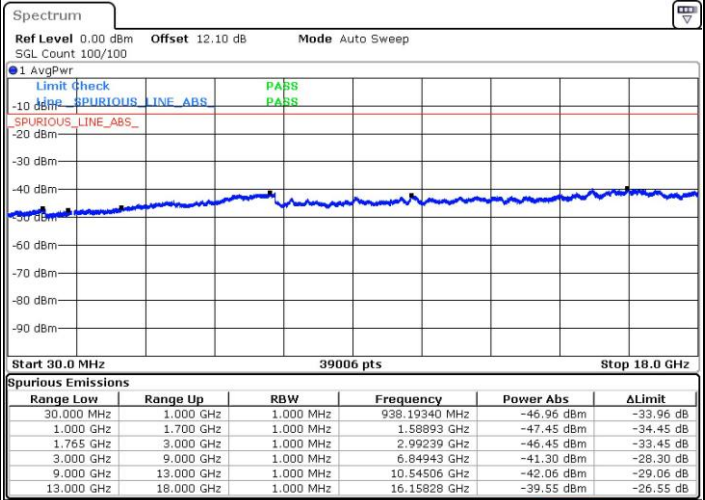
LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM



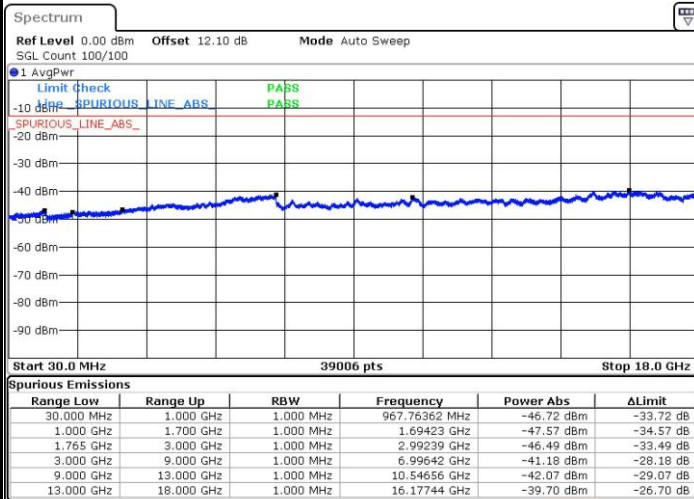
Date: 20.OCT.2018 19:32:37

Middle Channel / 64QAM



Date: 20.OCT.2018 19:34:00

Highest Channel / 64QAM

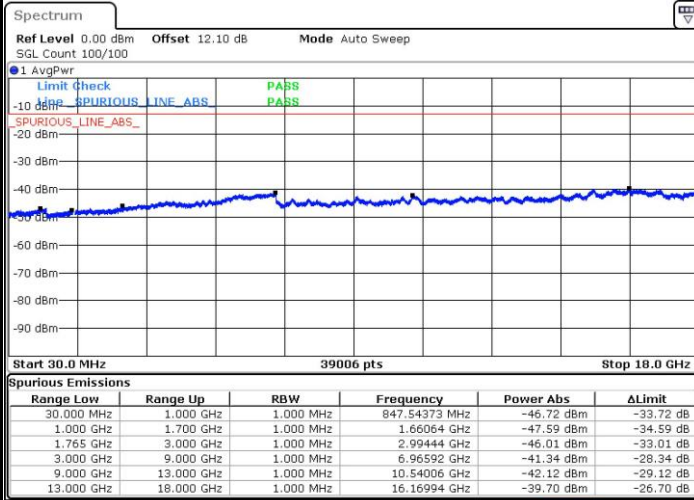


Date: 20.OCT.2018 19:37:40



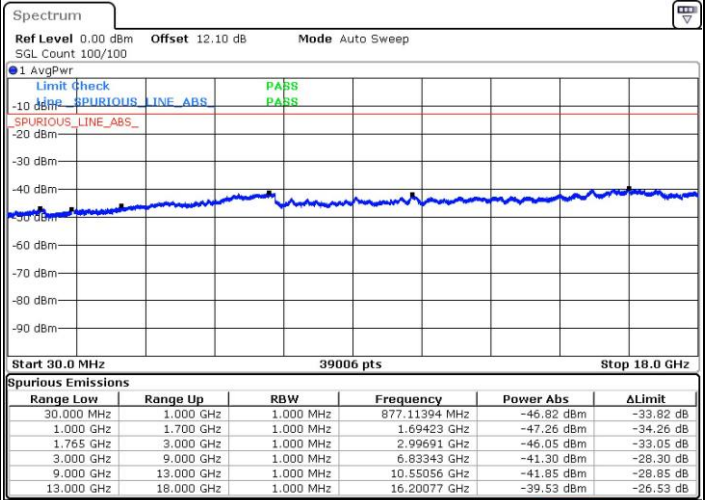
LTE Band 4 / 3MHz

Lowest Channel / 64QAM



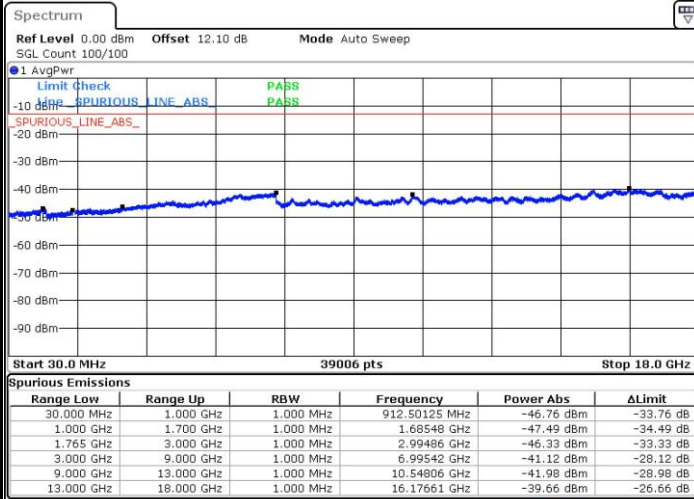
Date: 20.OCT.2018 18:40:26

Middle Channel / 64QAM



Date: 20.OCT.2018 18:41:48

Highest Channel / 64QAM

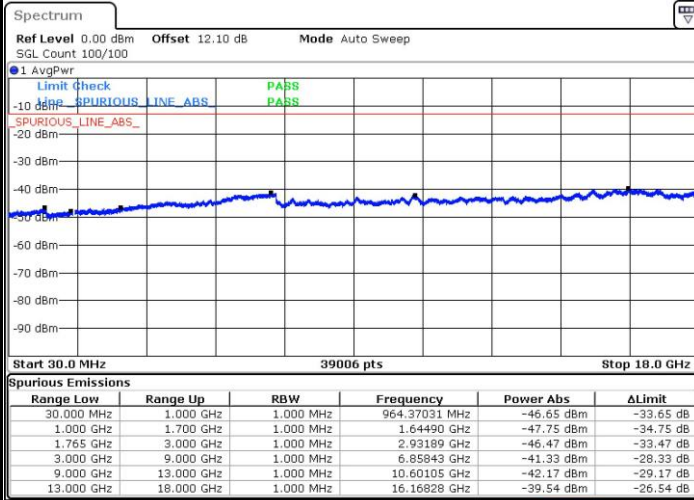


Date: 20.OCT.2018 18:45:28



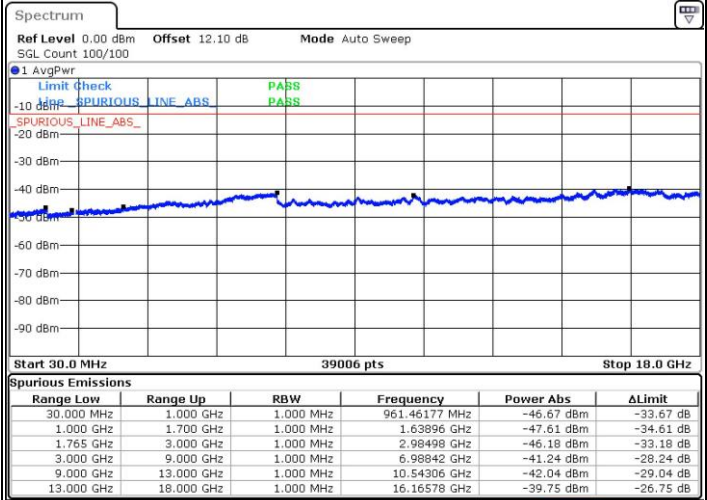
LTE Band 4 / 5MHz

Lowest Channel / 64QAM



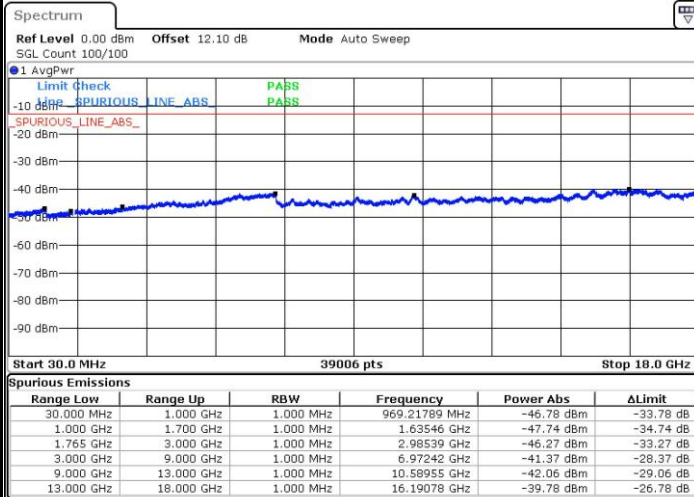
Date: 20.OCT.2018 18:57:46

Middle Channel / 64QAM



Date: 20.OCT.2018 18:59:09

Highest Channel / 64QAM

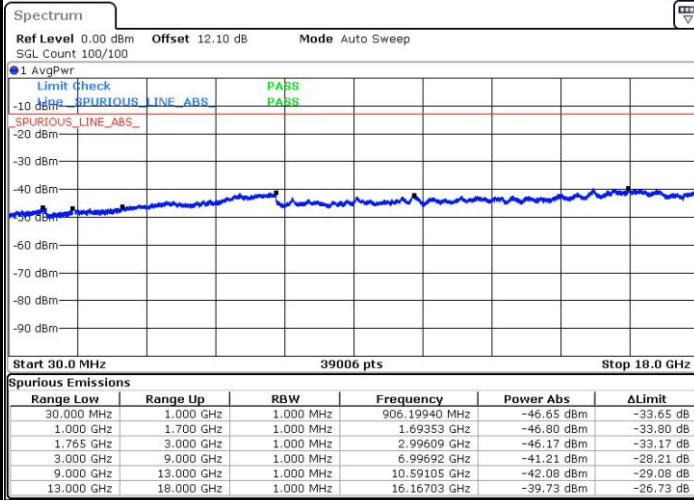


Date: 20.OCT.2018 19:02:49



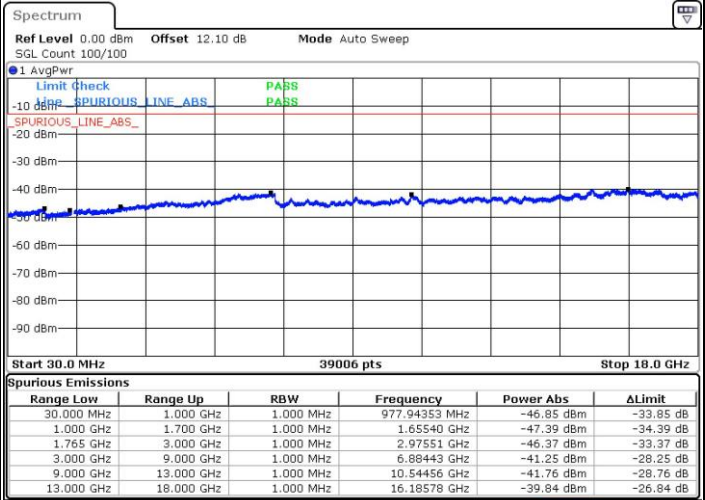
LTE Band 4 / 10MHz

Lowest Channel / 64QAM



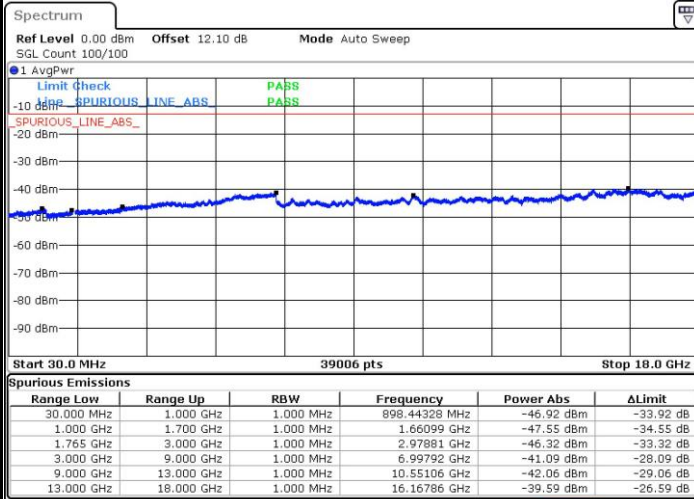
Date: 20.OCT.2018 19:06:29

Middle Channel / 64QAM



Date: 20.OCT.2018 19:07:51

Highest Channel / 64QAM

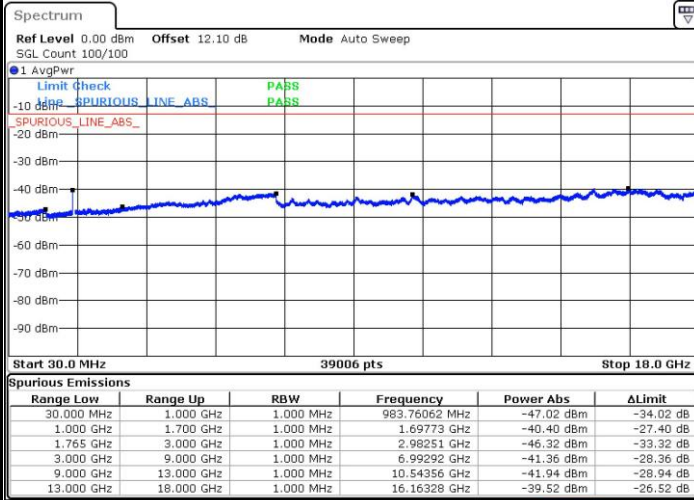


Date: 20.OCT.2018 19:11:31



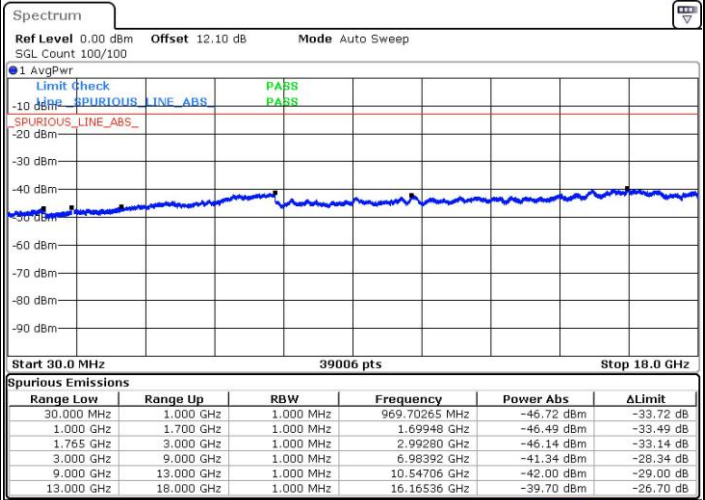
LTE Band 4 / 15MHz

Lowest Channel / 64QAM



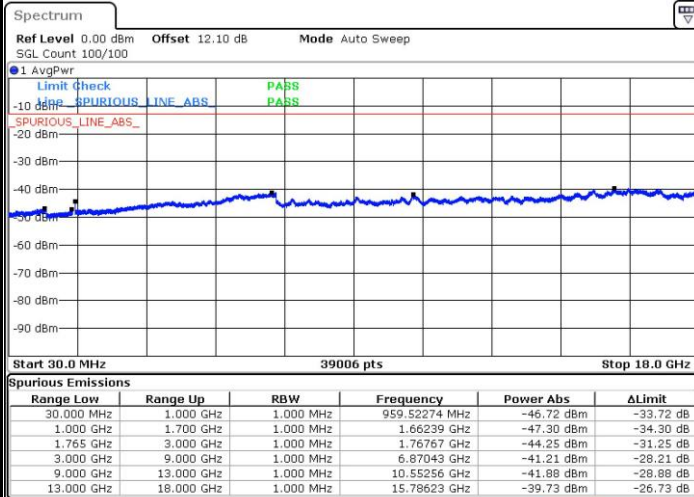
Date: 20.OCT.2018 19:15:11

Middle Channel / 64QAM



Date: 20.OCT.2018 19:16:34

Highest Channel / 64QAM

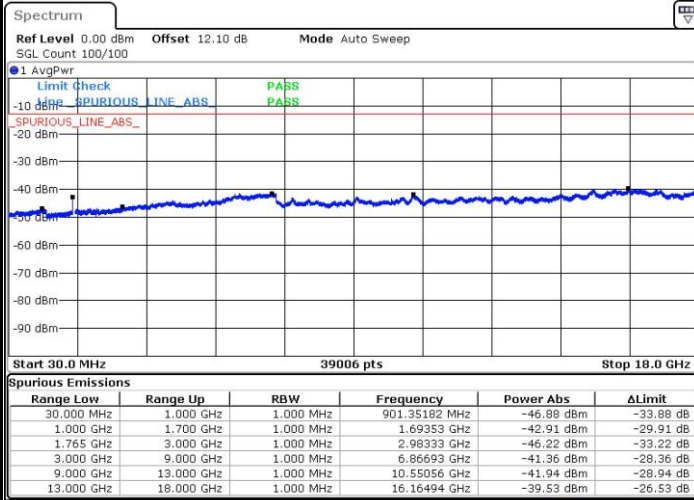


Date: 20.OCT.2018 19:20:14



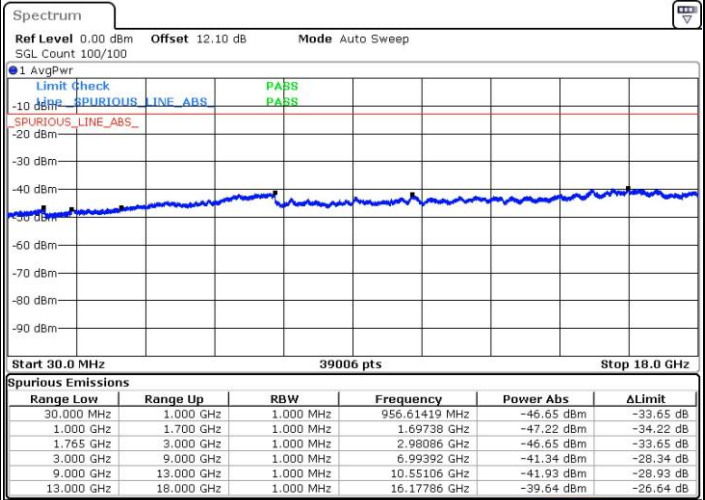
LTE Band 4 / 20MHz

Lowest Channel / 64QAM



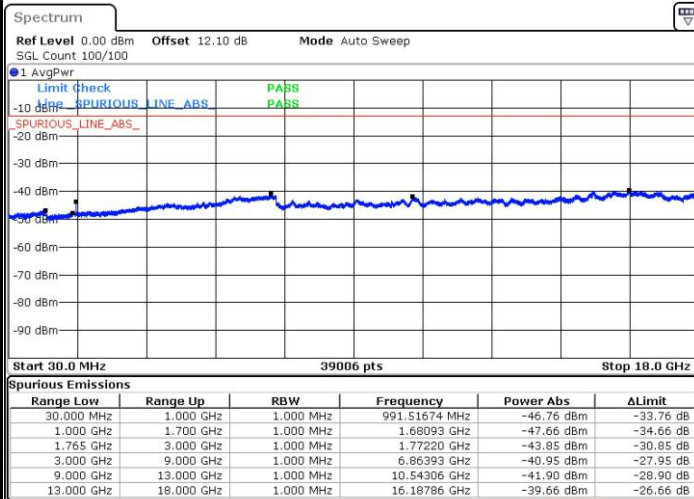
Date: 20.OCT.2018 19:23:54

Middle Channel / 64QAM



Date: 20.OCT.2018 19:25:17

Highest Channel / 64QAM



Date: 20.OCT.2018 19:28:57

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	0.0008	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0050	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

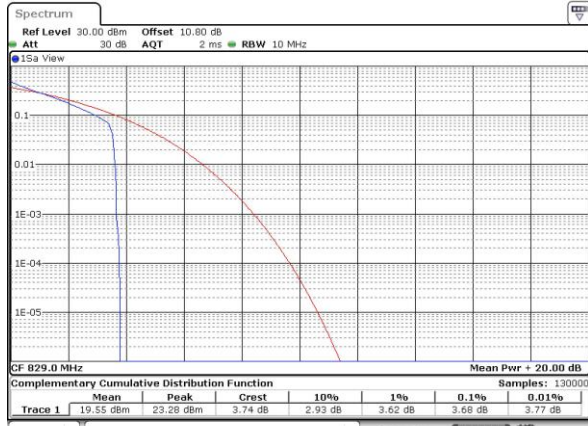
Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

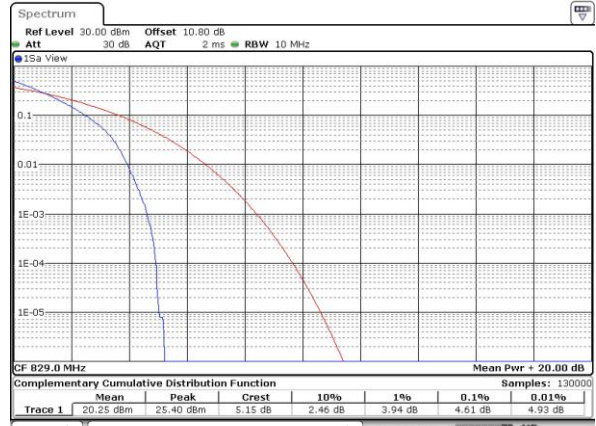
LTE Band 5

Peak-to-Average Ratio

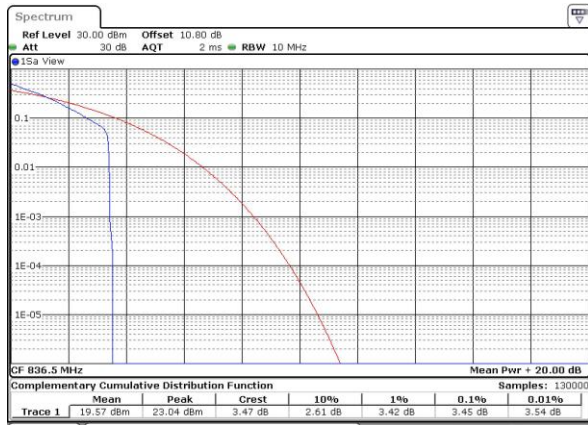
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.68	4.61	5.1	5.91	PASS
Middle CH	3.45	4.72	5.3	5.86	
Highest CH	3.62	4.64	5.16	5.91	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.14	6.41	-	-	PASS
Middle CH	5.36	6.35	-	-	
Highest CH	6.43	6.46	-	-	

LTE Band 5 / 10MHz / QPSK
Lowest Channel / 1RB


Date: 2 NOV 2018 20:06:16

Lowest Channel / Full RB


Date: 2 NOV 2018 20:06:28

Middle Channel / 1RB


Date: 2 NOV 2018 20:06:41

Middle Channel / Full RB

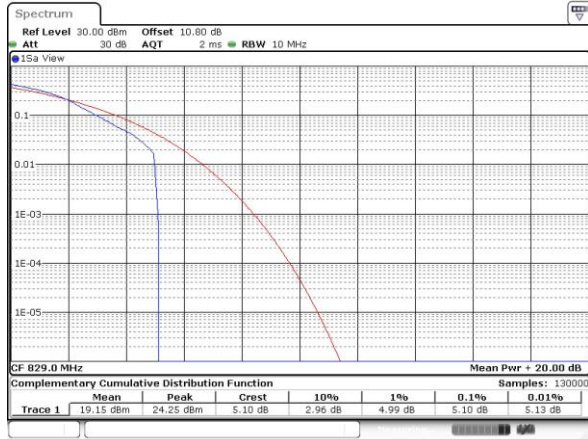

Date: 2 NOV 2018 20:06:54

Highest Channel / 1RB

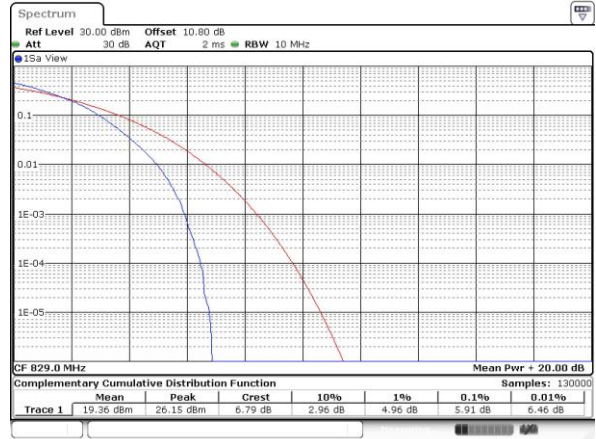

Date: 2 NOV 2018 20:07:05

Highest Channel / Full RB

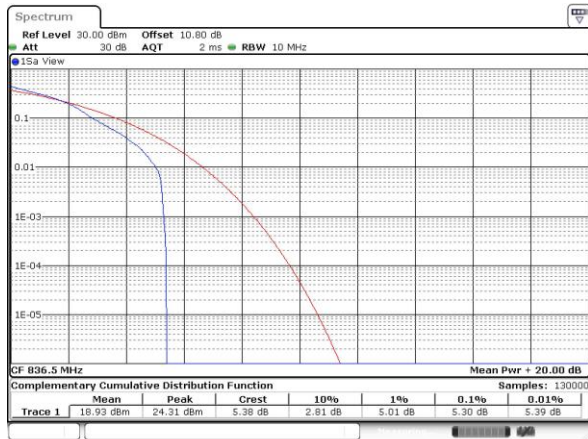

Date: 2 NOV 2018 20:07:22

LTE Band 5 / 10MHz / 16QAM
Lowest Channel / 1RB


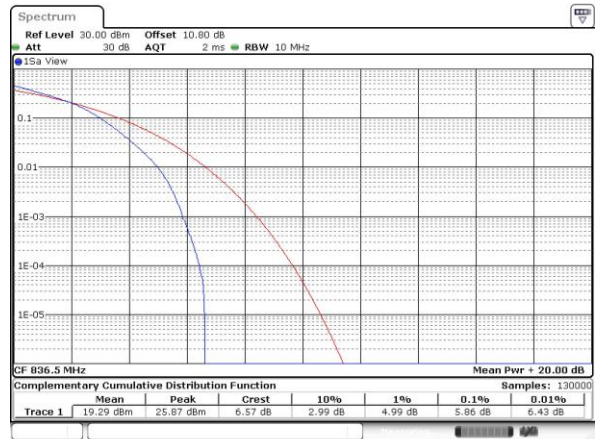
Date: 2 NOV 2018 20:04:59

Lowest Channel / Full RB


Date: 2 NOV 2018 20:05:12

Middle Channel / 1RB


Date: 2 NOV 2018 20:05:23

Middle Channel / Full RB


Date: 2 NOV 2018 20:05:35

Highest Channel / 1RB

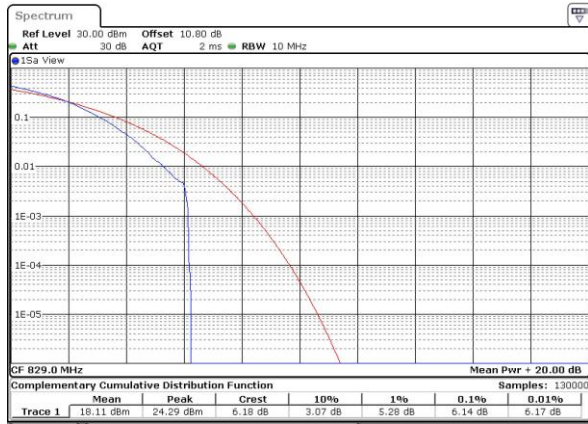

Date: 2 NOV 2018 20:05:49

Highest Channel / Full RB


Date: 2 NOV 2018 20:05:59

LTE Band 5 / 10MHz / 64QAM

Lowest Channel / 1RB



Date: 2 NOV 2018 20:07:51

Lowest Channel / Full RB



Date: 2 NOV 2018 20:08:11

Middle Channel / 1RB



Date: 2 NOV 2018 20:08:22

Middle Channel / Full RB



Date: 2 NOV 2018 20:08:32

Highest Channel / 1RB



Date: 2 NOV 2018 20:08:44

Highest Channel / Full RB



Date: 2 NOV 2018 20:08:56