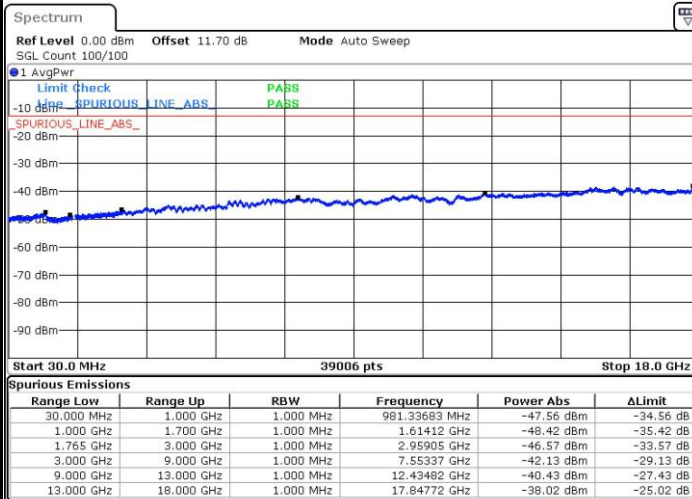




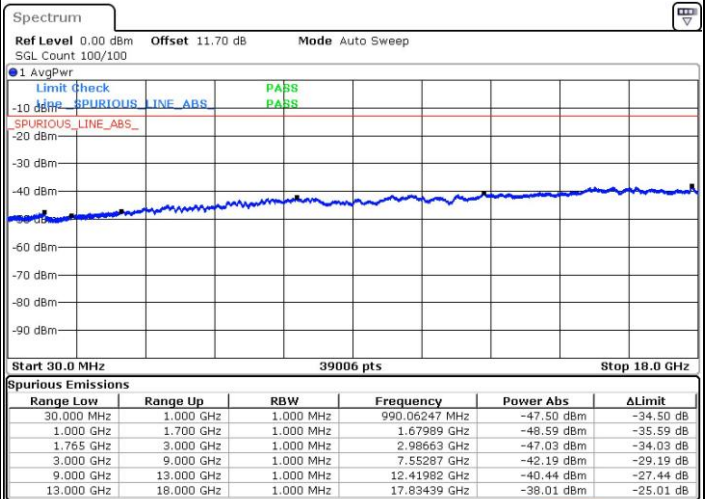
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 30 MAR 2019 08:04:00

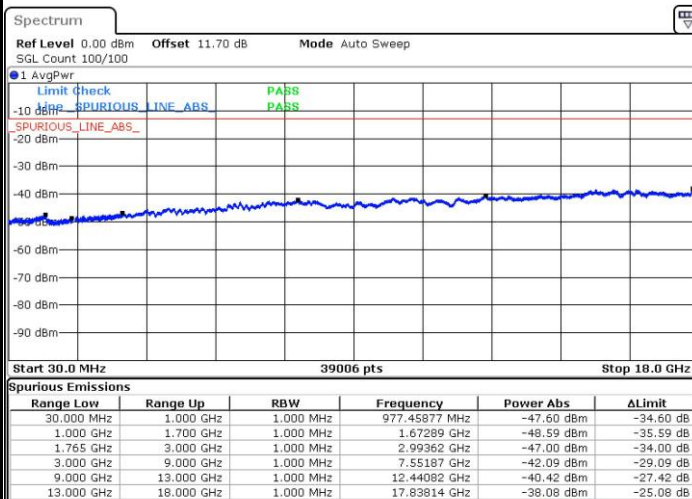
Highest Channel / 16QAM



Date: 30 MAR 2019 08:05:02

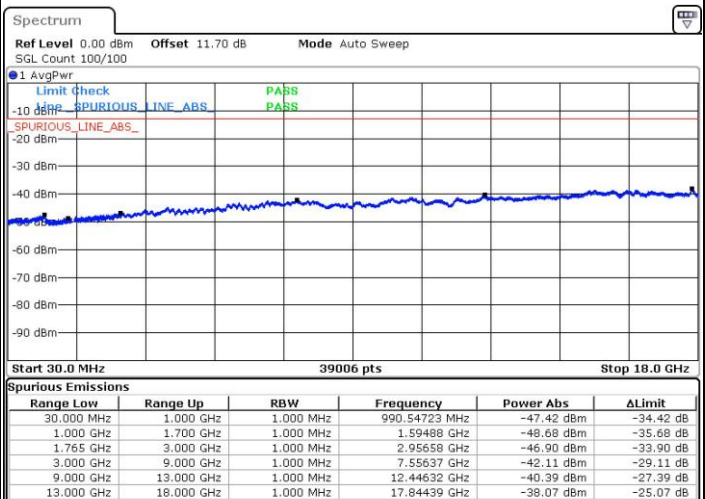
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 30 MAR 2019 06:24:48

Lowest Channel / 16QAM

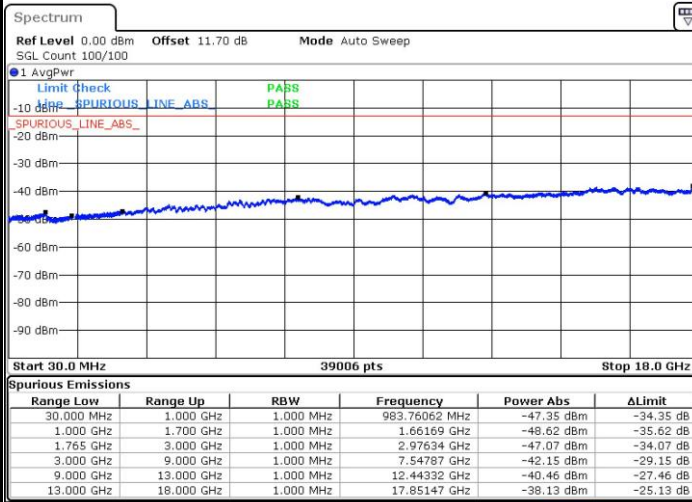


Date: 30 MAR 2019 06:25:50



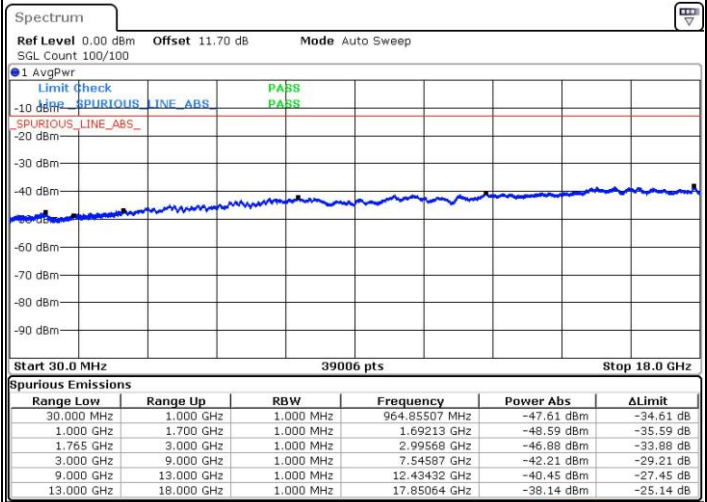
LTE Band 4 / 3MHz

Middle Channel / QPSK



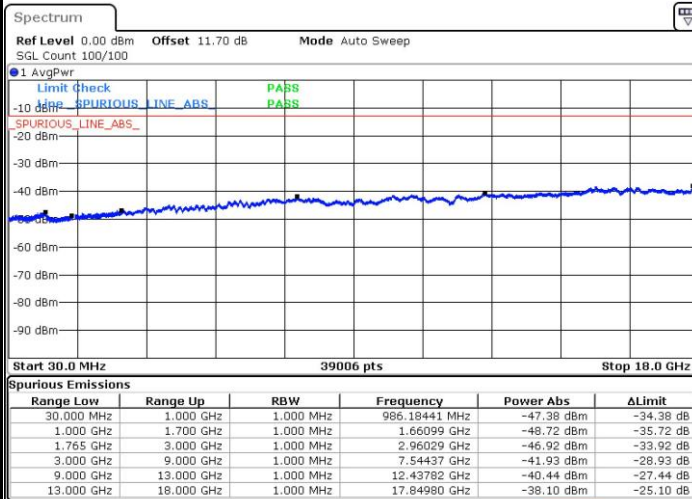
Date: 30 MAR 2019 06:27:38

Middle Channel / 16QAM



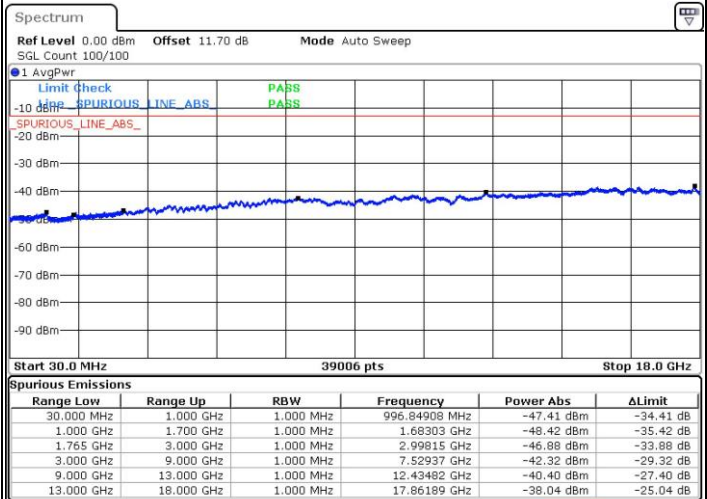
Date: 30 MAR 2019 06:28:39

Highest Channel / QPSK



Date: 30 MAR 2019 06:34:34

Highest Channel / 16QAM

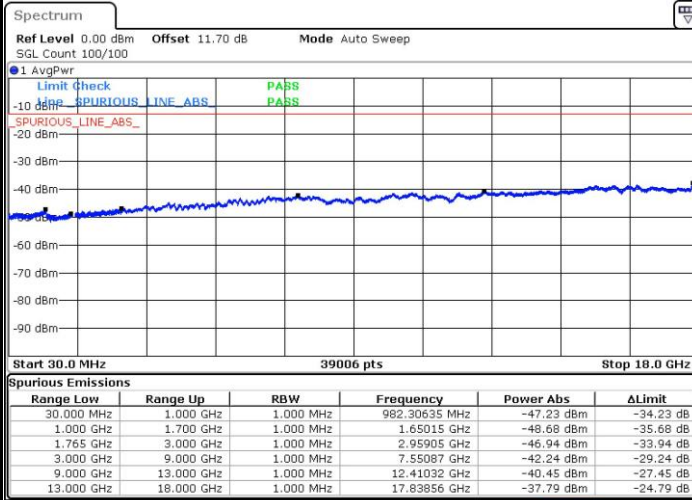


Date: 30 MAR 2019 06:35:36



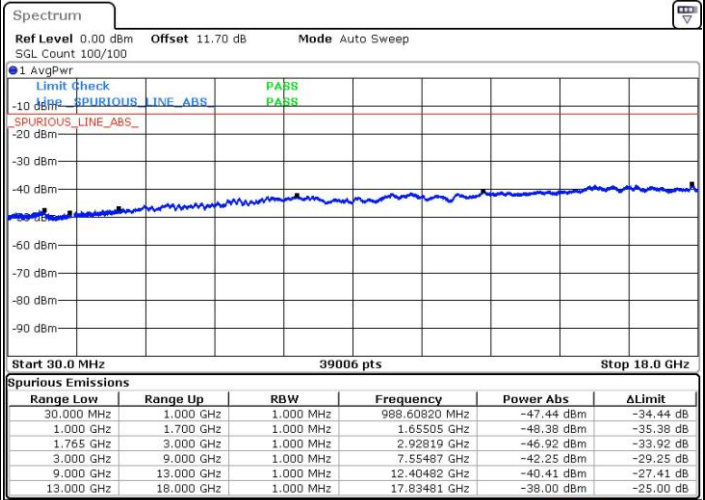
LTE Band 4 / 5MHz

Lowest Channel / QPSK



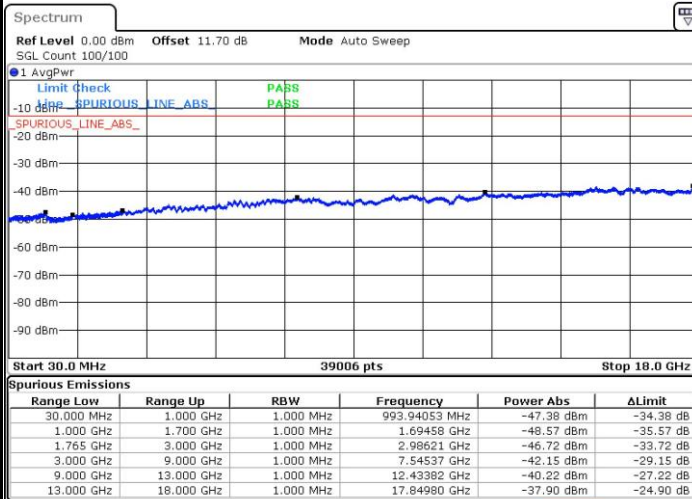
Date: 30 MAR 2019 06:41:32

Lowest Channel / 16QAM



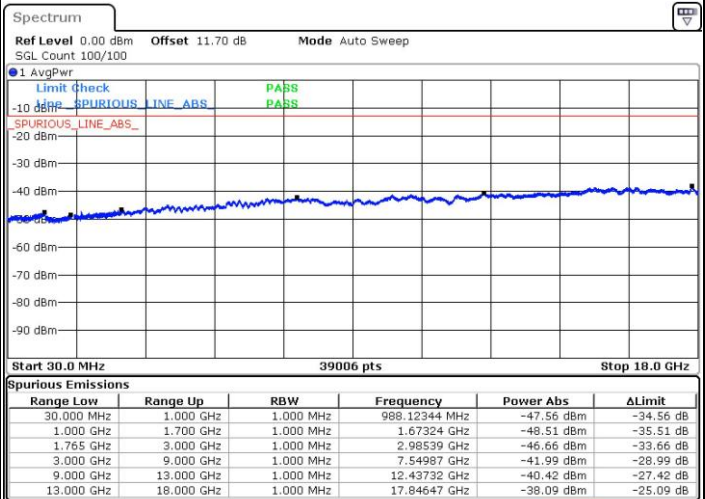
Date: 30 MAR 2019 06:42:34

Middle Channel / QPSK



Date: 30 MAR 2019 06:44:23

Middle Channel / 16QAM

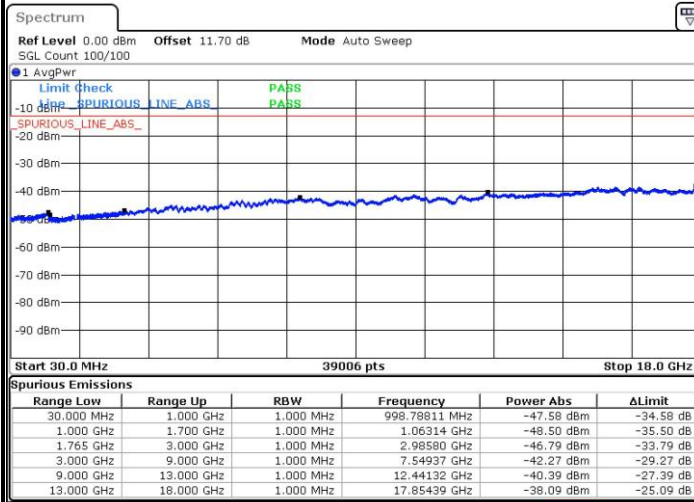


Date: 30 MAR 2019 06:45:24



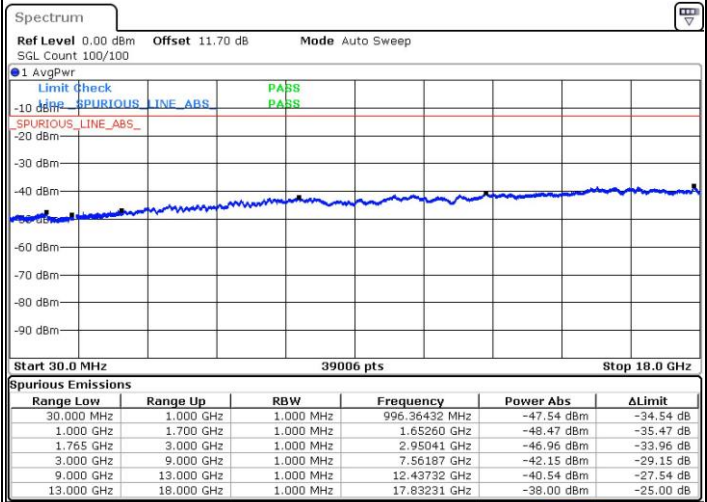
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 30 MAR 2019 06:51:19

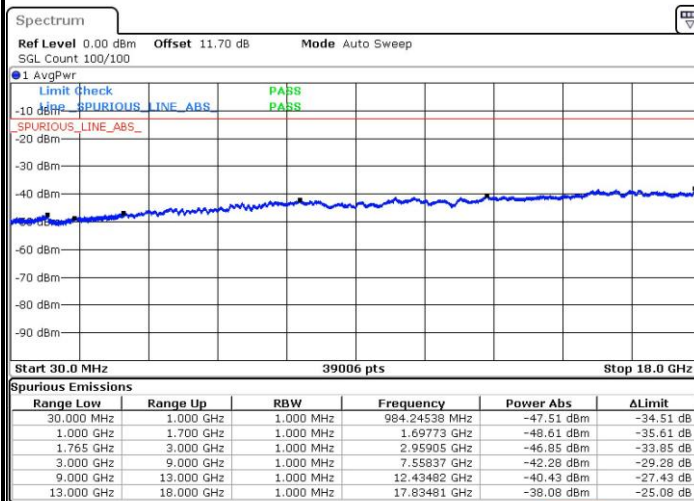
Highest Channel / 16QAM



Date: 30 MAR 2019 06:52:21

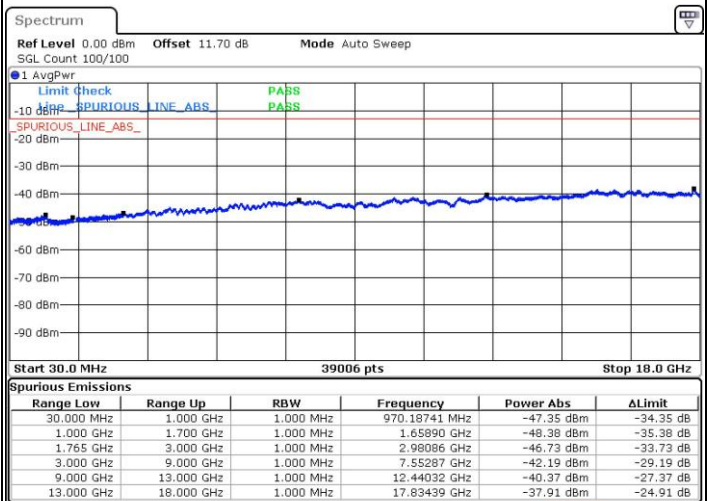
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 30 MAR 2019 06:58:17

Lowest Channel / 16QAM

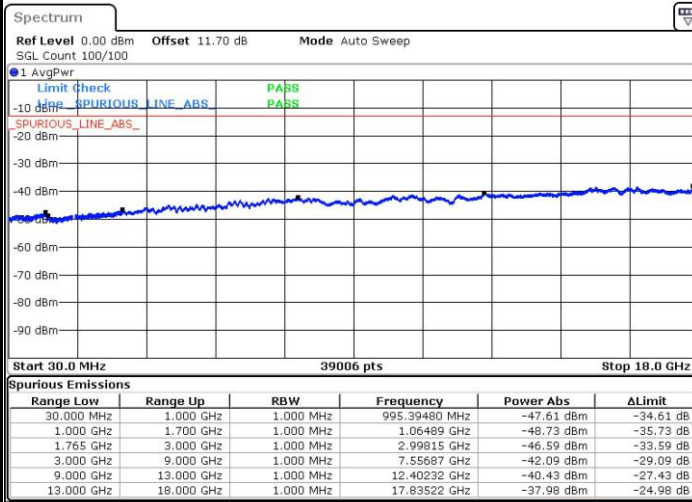


Date: 30 MAR 2019 06:59:18



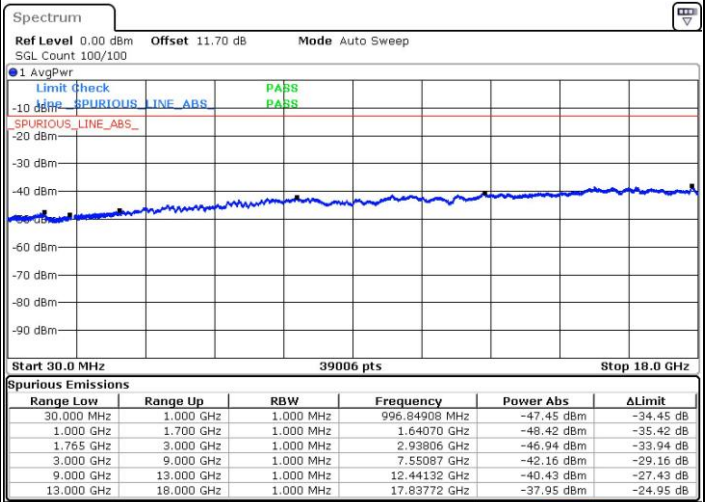
LTE Band 4 / 10MHz

Middle Channel / QPSK



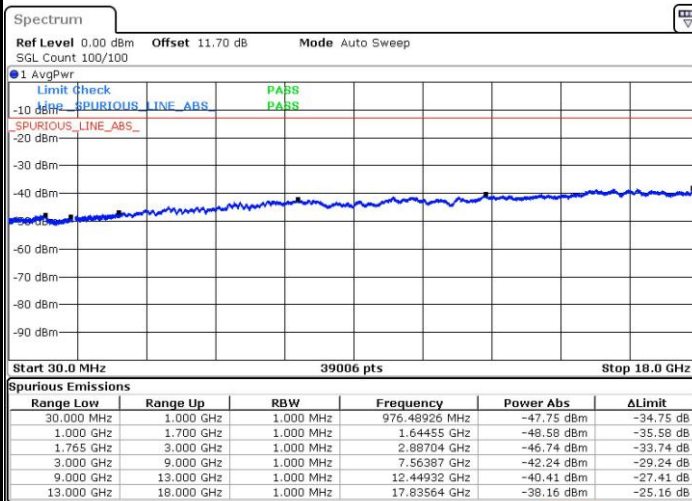
Date: 30 MAR 2019 07:01:07

Middle Channel / 16QAM



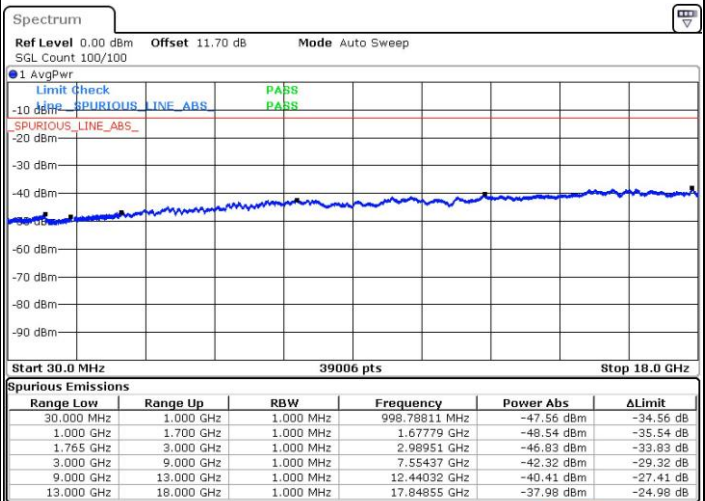
Date: 30 MAR 2019 07:02:08

Highest Channel / QPSK



Date: 30 MAR 2019 07:08:04

Highest Channel / 16QAM

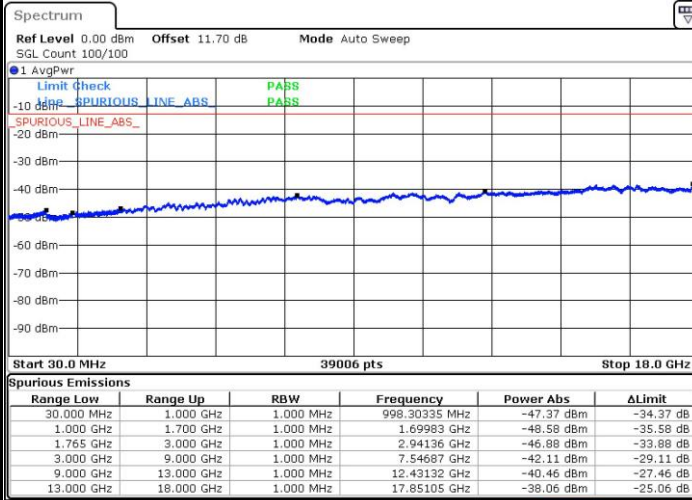


Date: 30 MAR 2019 07:09:06



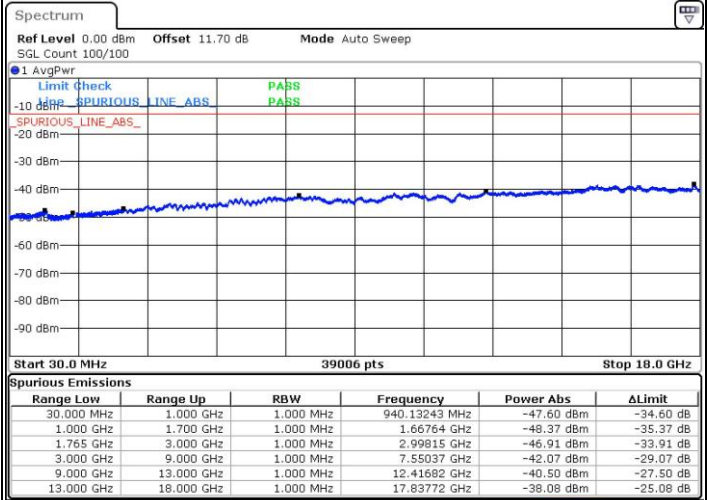
LTE Band 4 / 15MHz

Lowest Channel / QPSK



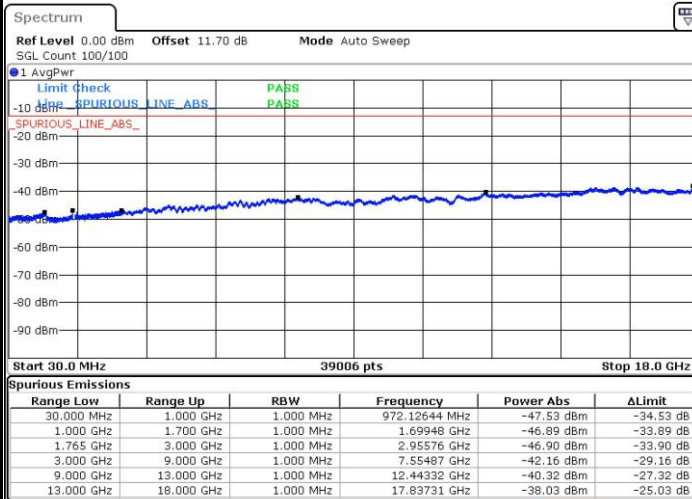
Date: 30 MAR 2019 07:15:03

Lowest Channel / 16QAM



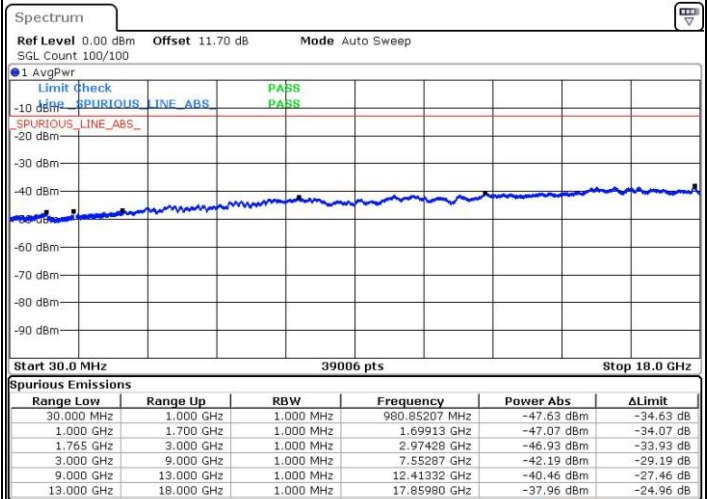
Date: 30 MAR 2019 07:16:04

Middle Channel / QPSK



Date: 30 MAR 2019 07:17:53

Middle Channel / 16QAM

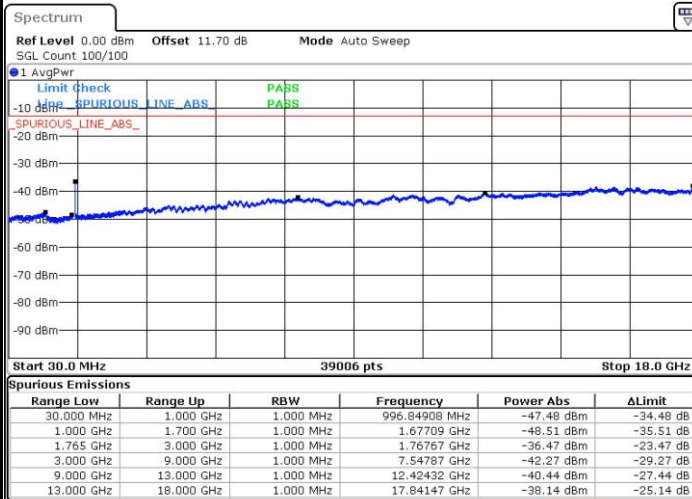


Date: 30 MAR 2019 07:18:54



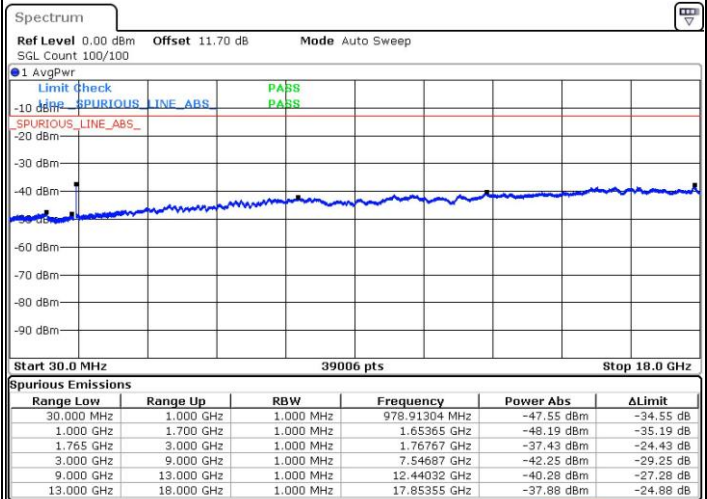
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 30 MAR 2019 07:24:49

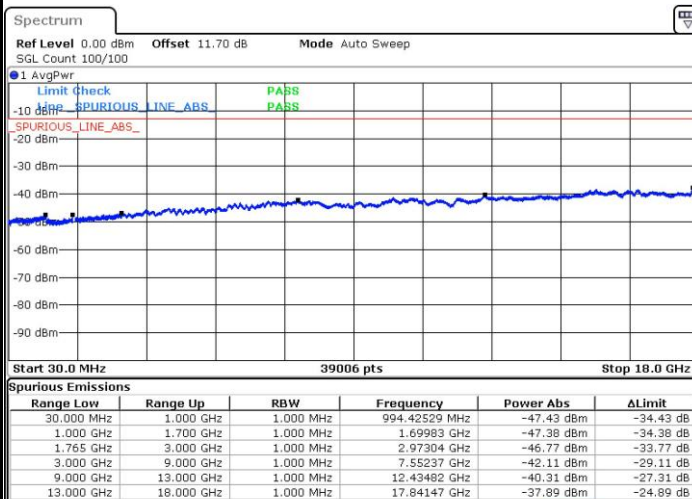
Highest Channel / 16QAM



Date: 30 MAR 2019 07:25:51

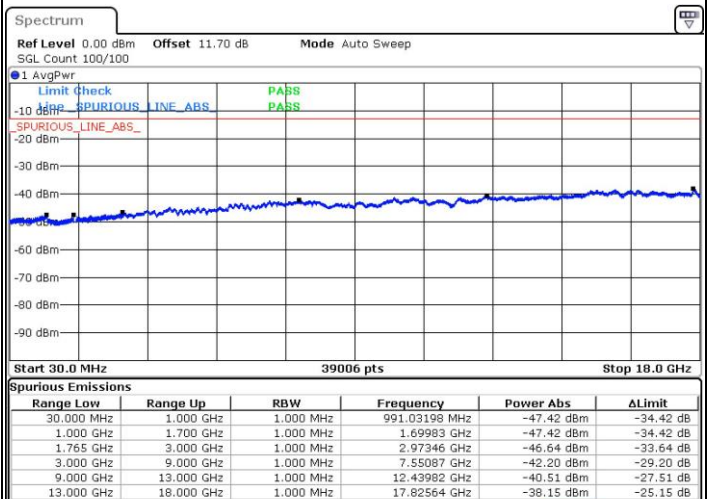
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 30 MAR 2019 07:31:48

Lowest Channel / 16QAM

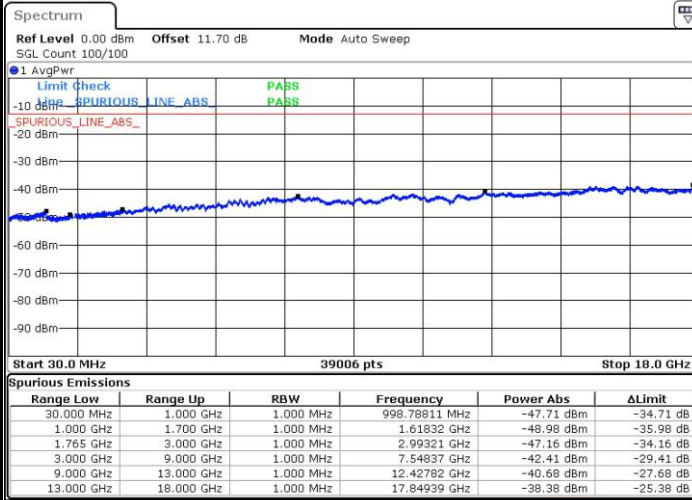


Date: 30 MAR 2019 07:32:49



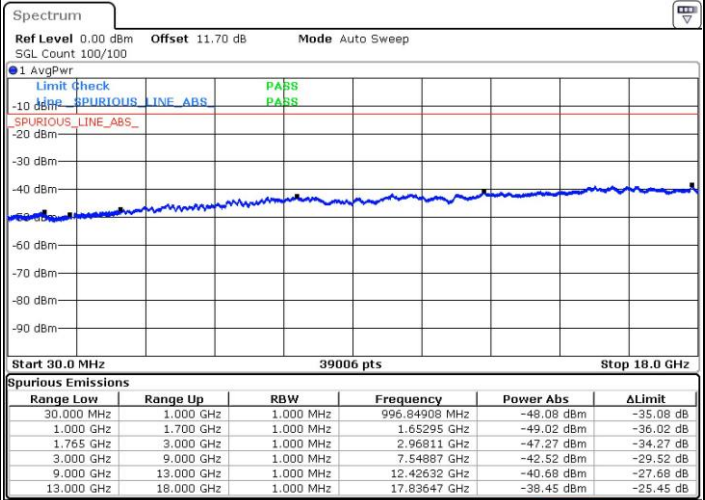
LTE Band 4 / 20MHz

Middle Channel / QPSK



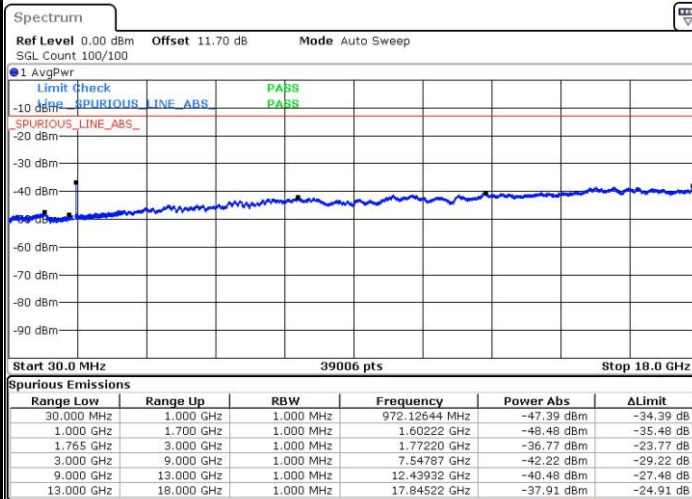
Date: 2 APR 2019 02:17:43

Middle Channel / 16QAM



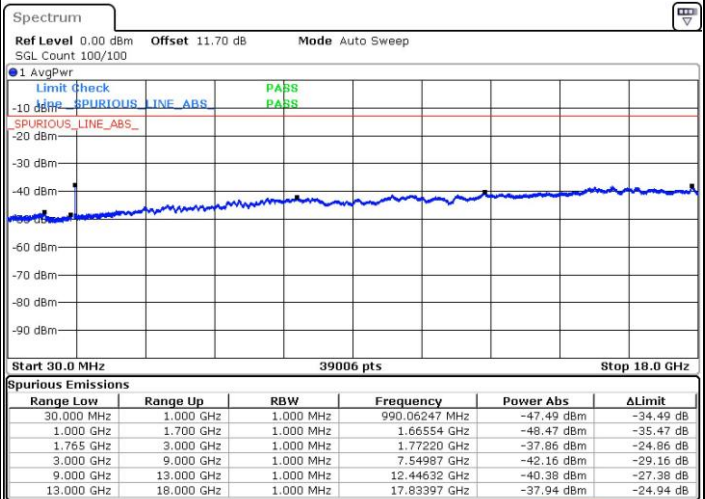
Date: 2 APR 2019 02:18:34

Highest Channel / QPSK



Date: 30 MAR 2019 07:41:35

Highest Channel / 16QAM

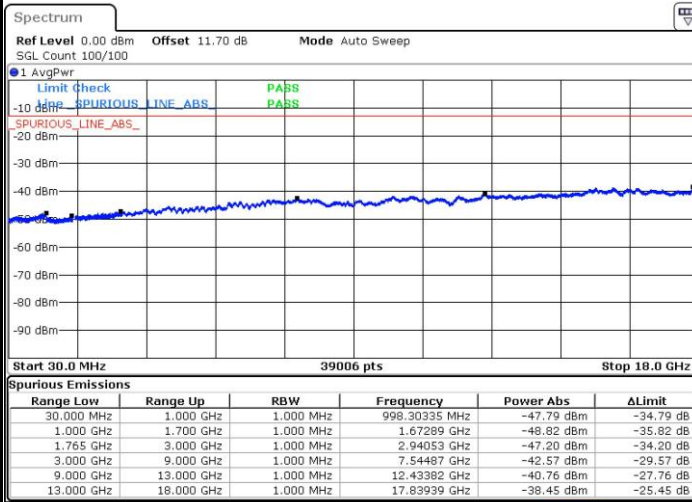


Date: 30 MAR 2019 07:42:37



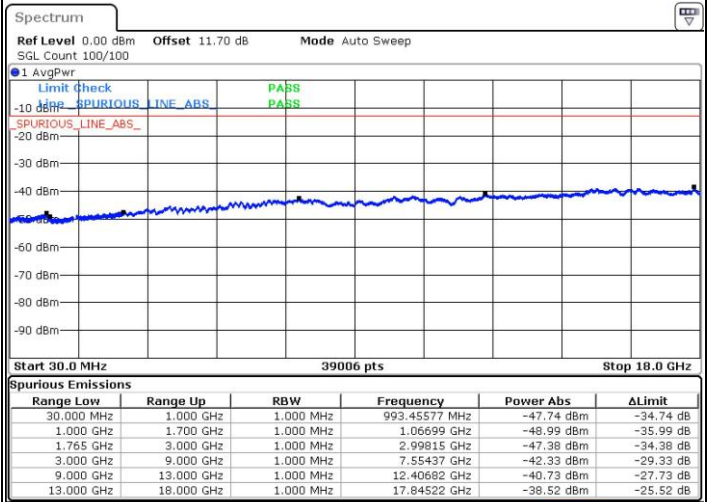
LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM



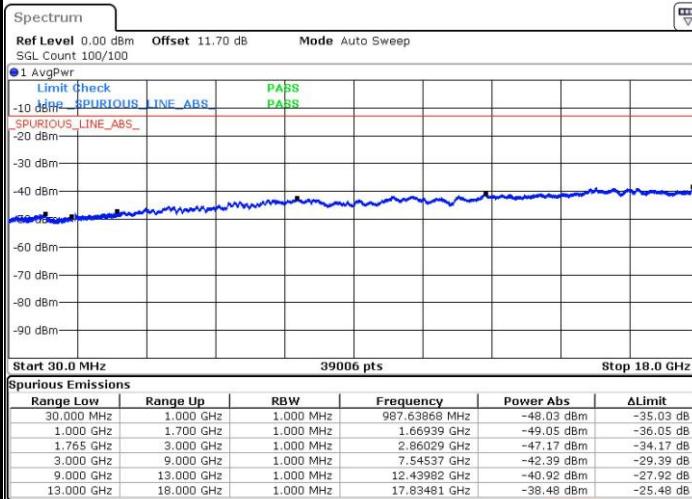
Date: 2 APR 2019 02:04:05

Middle Channel / 64QAM



Date: 2 APR 2019 02:05:20

Highest Channel / 64QAM

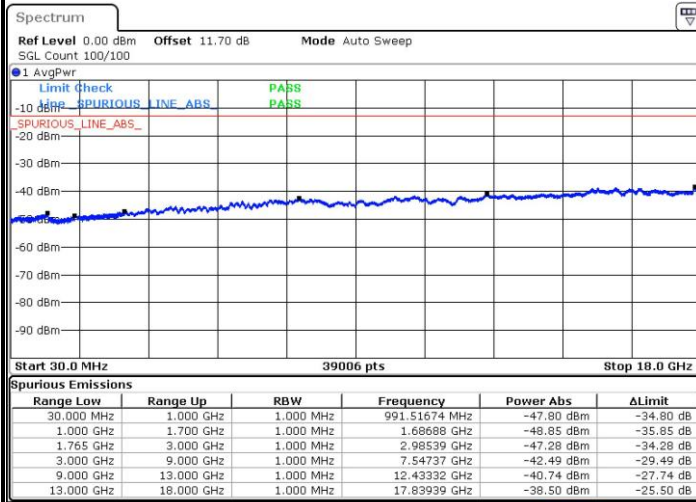


Date: 2 APR 2019 02:08:44



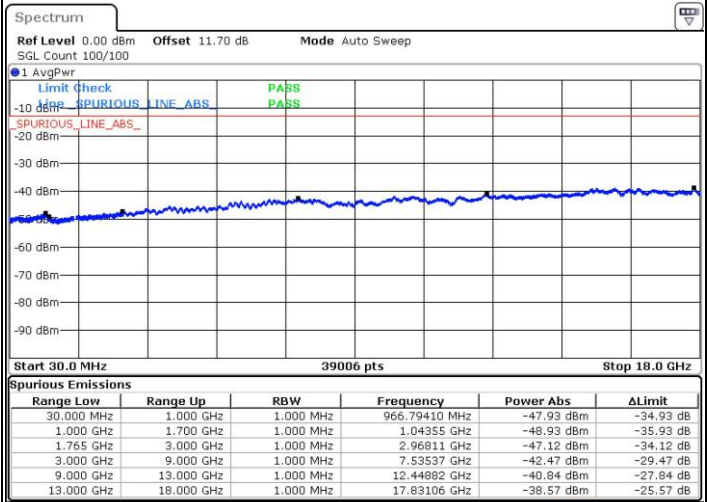
LTE Band 4 / 3MHz

Lowest Channel / 64QAM



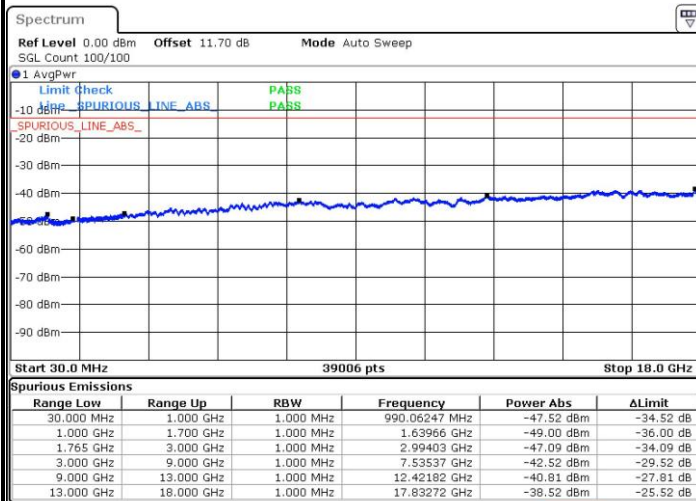
Date: 2 APR 2019 01:14:06

Middle Channel / 64QAM



Date: 2 APR 2019 01:15:21

Highest Channel / 64QAM

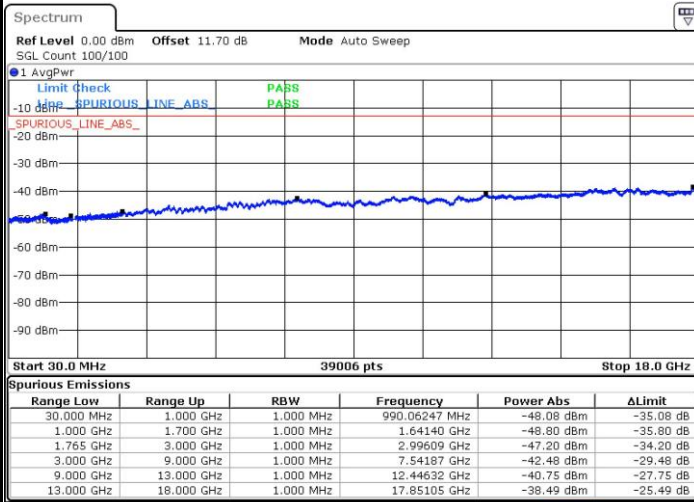


Date: 2 APR 2019 01:18:38



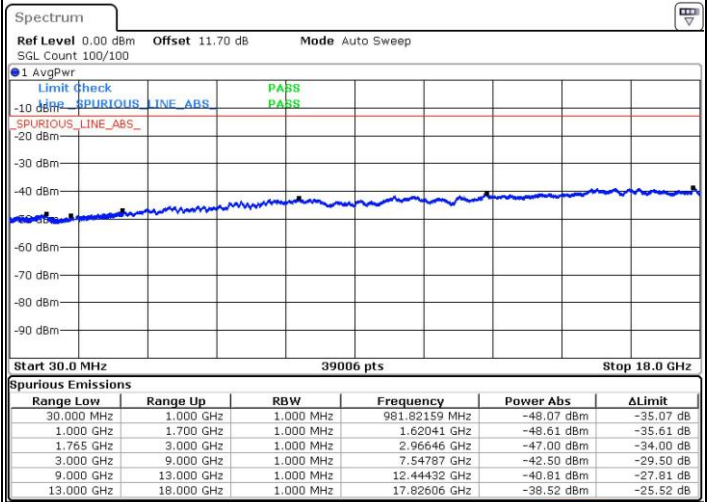
LTE Band 4 / 5MHz

Lowest Channel / 64QAM



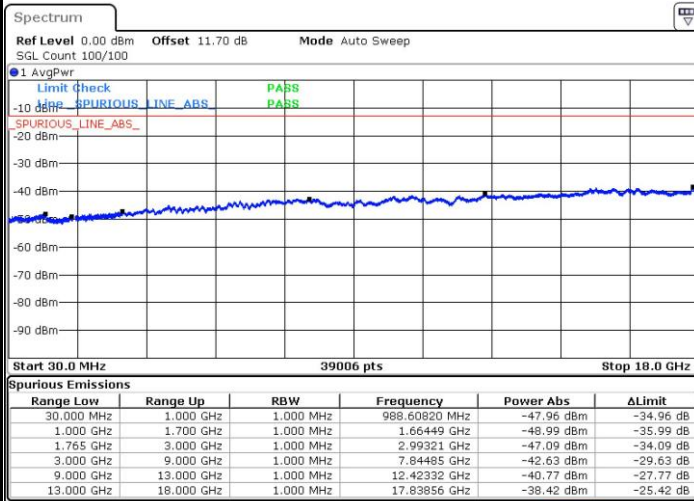
Date: 2 APR 2019 01:21:56

Middle Channel / 64QAM



Date: 2 APR 2019 01:23:11

Highest Channel / 64QAM

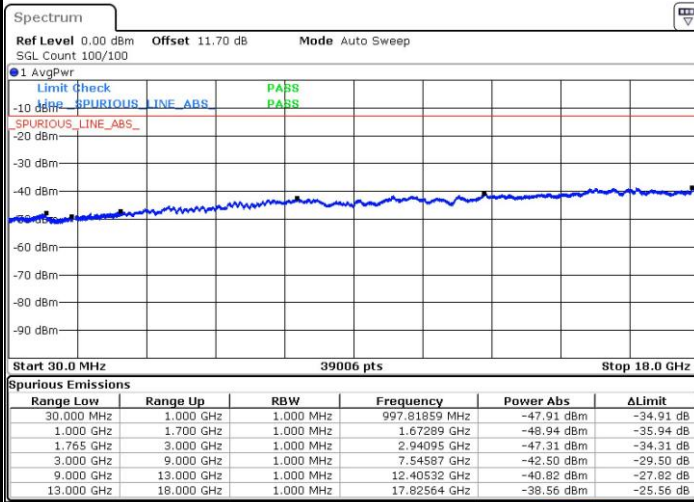


Date: 2 APR 2019 01:26:28



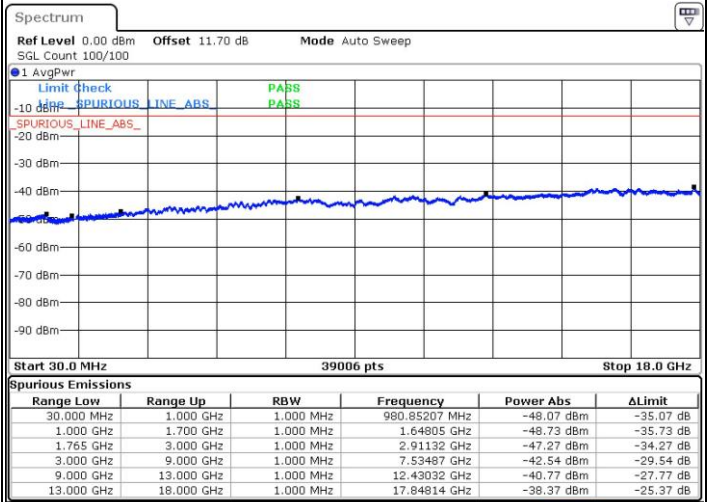
LTE Band 4 / 10MHz

Lowest Channel / 64QAM



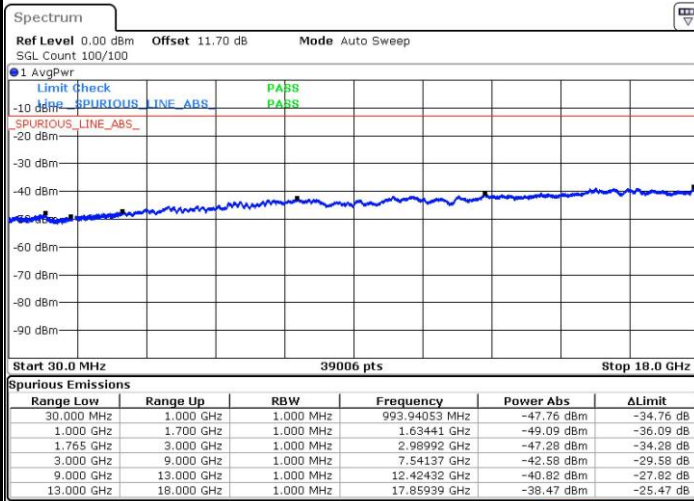
Date: 2 APR 2019 01:29:47

Middle Channel / 64QAM



Date: 2 APR 2019 01:31:01

Highest Channel / 64QAM

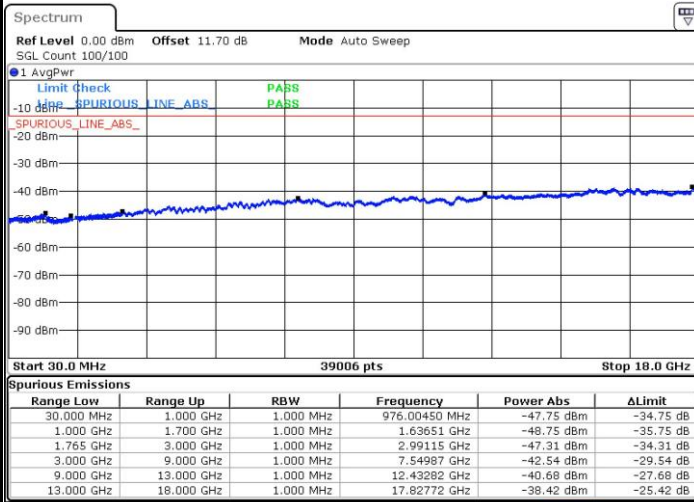


Date: 2 APR 2019 01:34:18



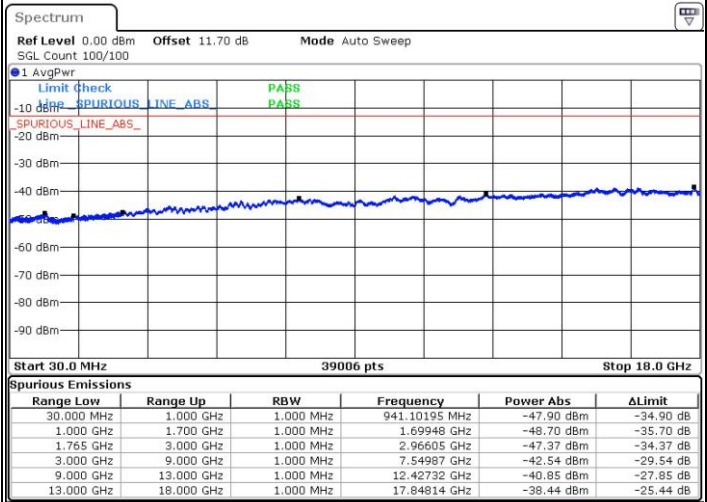
LTE Band 4 / 15MHz

Lowest Channel / 64QAM



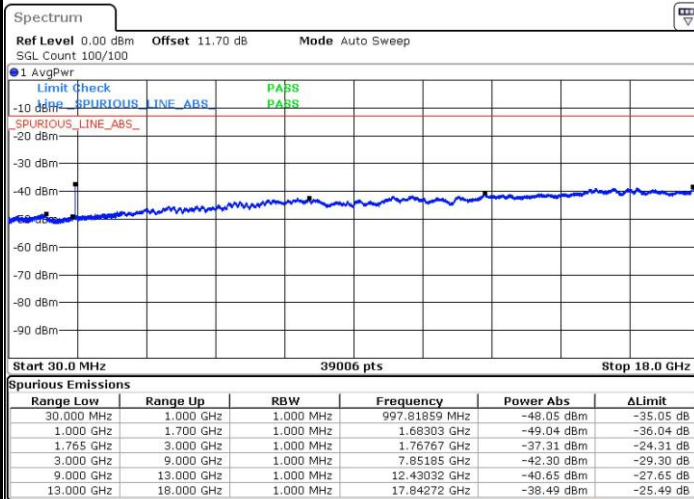
Date: 2 APR 2019 01:37:45

Middle Channel / 64QAM



Date: 2 APR 2019 01:39:08

Highest Channel / 64QAM

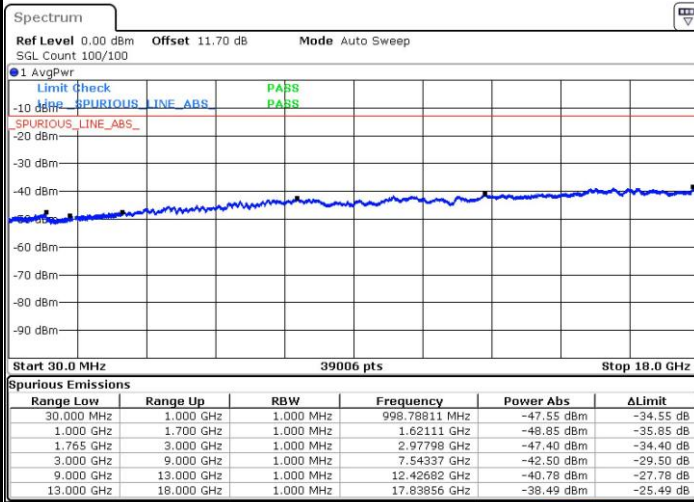


Date: 2 APR 2019 01:42:34



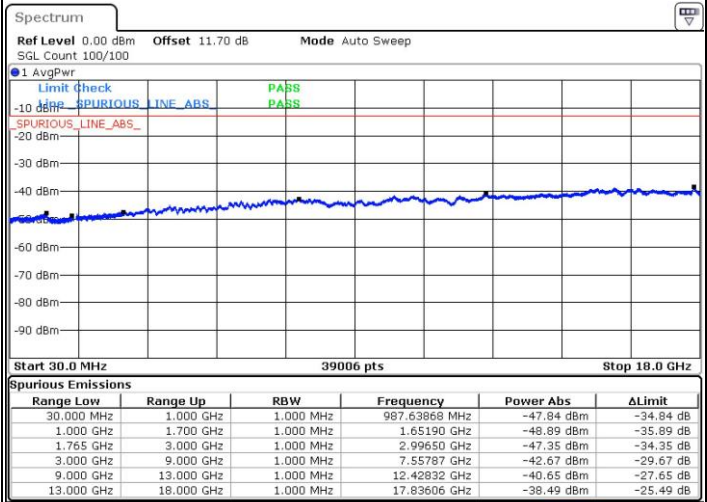
LTE Band 4 / 20MHz

Lowest Channel / 64QAM



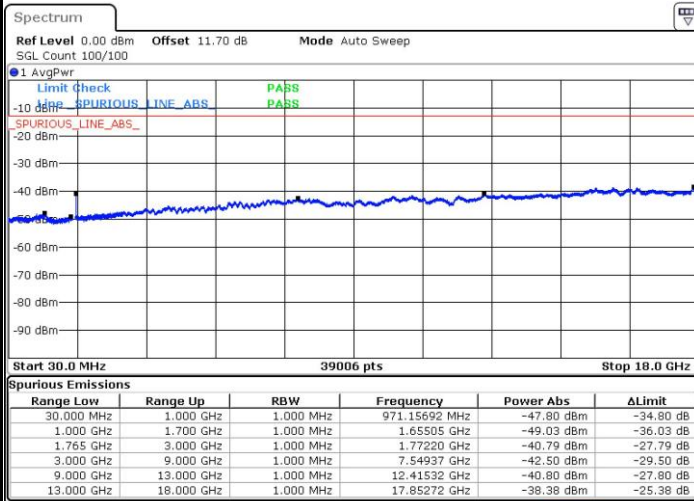
Date: 2 APR 2019 01:45:53

Middle Channel / 64QAM



Date: 2 APR 2019 01:47:07

Highest Channel / 64QAM



Date: 2 APR 2019 01:50:24

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	0.0002	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

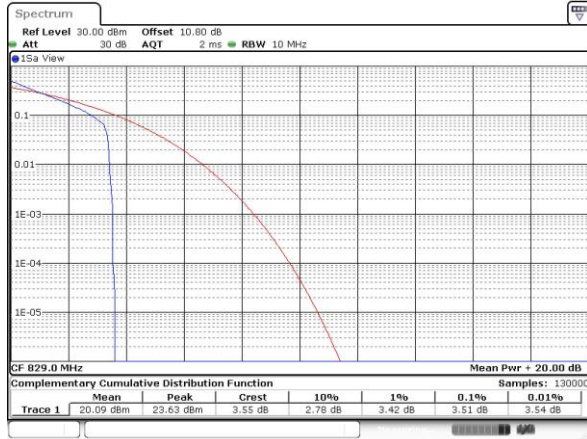
1. Normal Voltage =7.6 V. ; Battery End Point (BEP) =7.0 V. ; Maximum Voltage =8.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



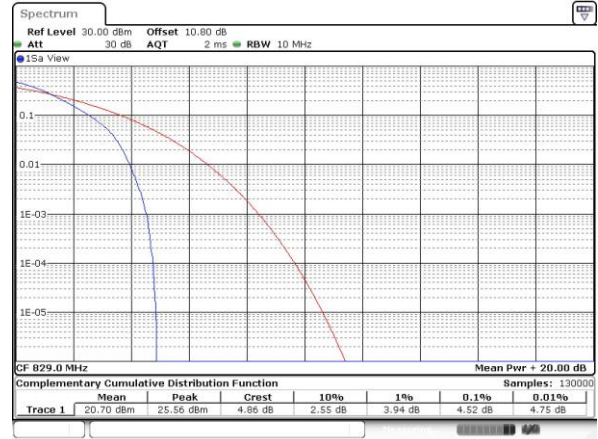
LTE Band 5

Peak-to-Average Ratio

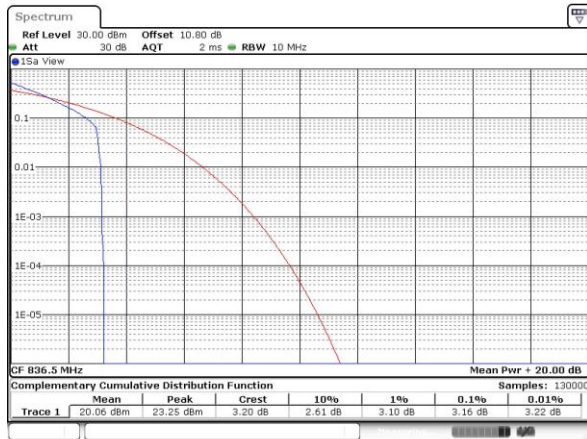
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.52	4.87	5.71	PASS
Middle CH	3.16	4.72	4.43	5.86	
Highest CH	3.68	4.81	5.13	6.00	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.23	-	-	PASS
Middle CH	5.83	6.49	-	-	
Highest CH	6.99	6.58	-	-	

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


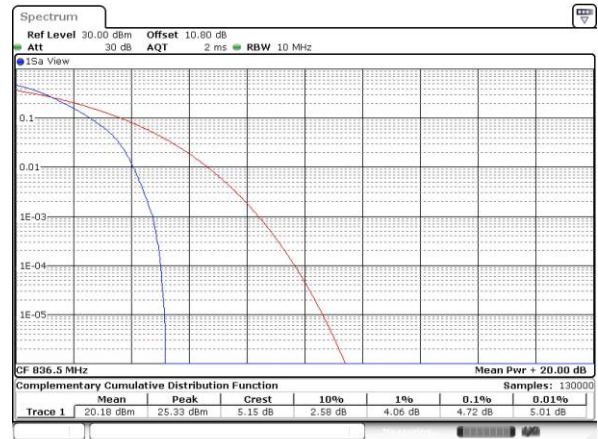
Date: 10 APR 2019 19:06:45

Lowest Channel / Full RB


Date: 10 APR 2019 19:06:57

Middle Channel / 1RB


Date: 10 APR 2019 19:07:08

Middle Channel / Full RB


Date: 10 APR 2019 19:07:18

Highest Channel / 1RB

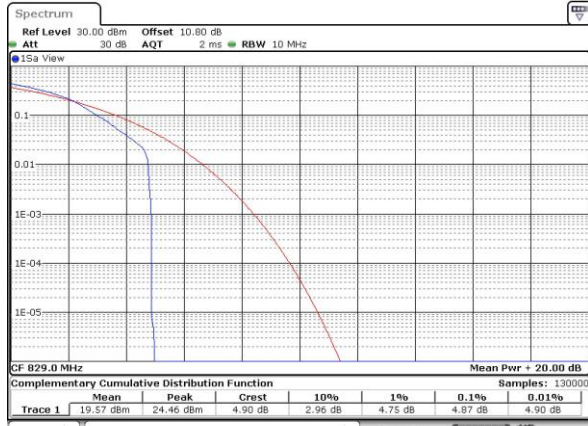

Date: 10 APR 2019 19:07:29

Highest Channel / Full RB


Date: 10 APR 2019 19:07:41

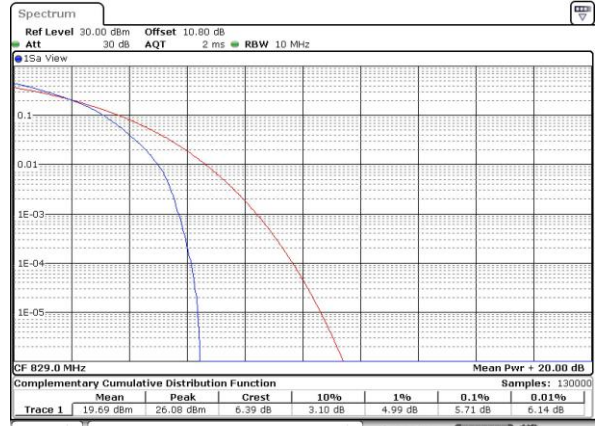
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



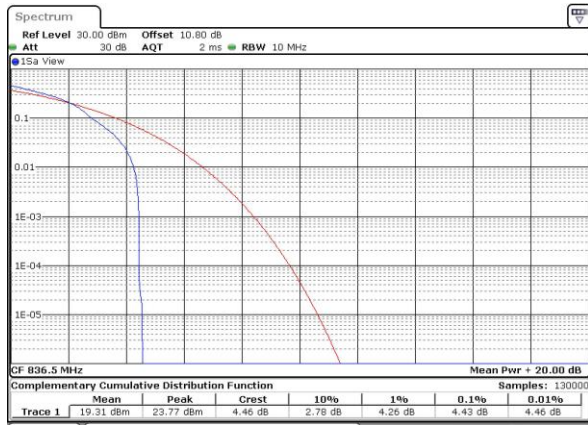
Date: 10 APR 2019 19:05:00

Lowest Channel / Full RB



Date: 10 APR 2019 19:05:12

Middle Channel / 1RB



Date: 10 APR 2019 19:05:23

Middle Channel / Full RB



Date: 10 APR 2019 19:05:33

Highest Channel / 1RB



Date: 10 APR 2019 19:05:44

Highest Channel / Full RB



Date: 10 APR 2019 19:05:56