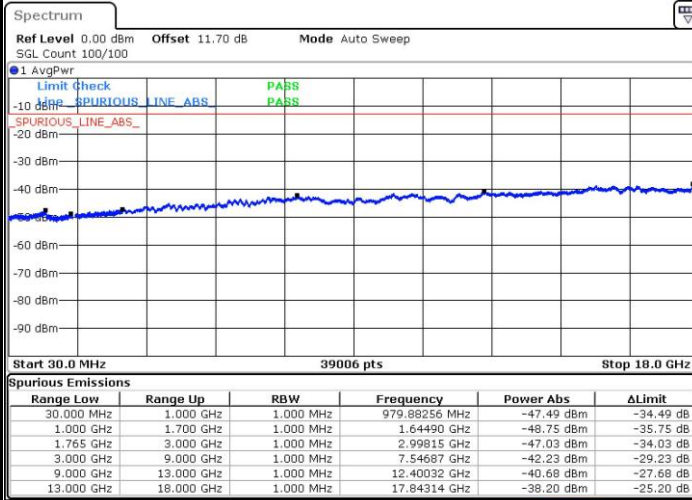




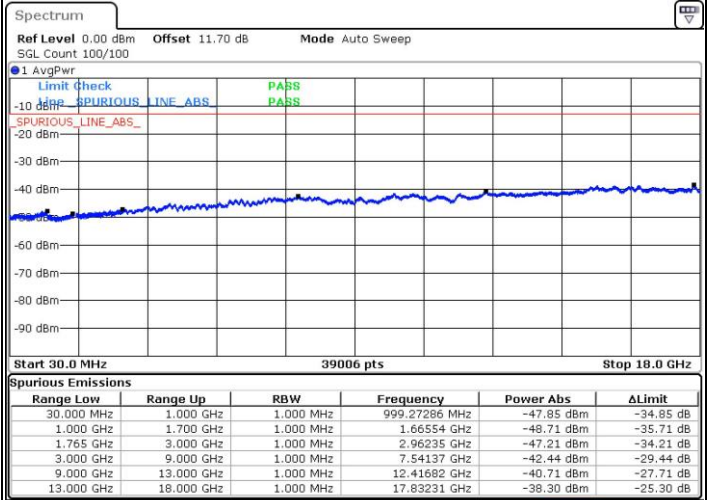
LTE Band 4 / 3MHz

Middle Channel / QPSK



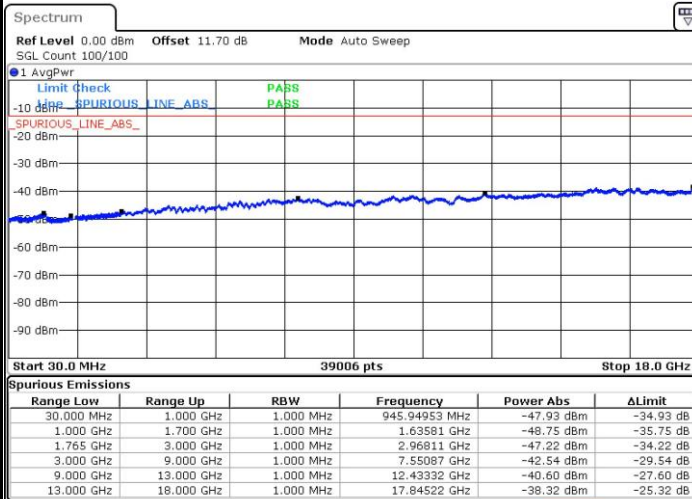
Date: 16 AUG 2018 19:33:26

Middle Channel / 16QAM



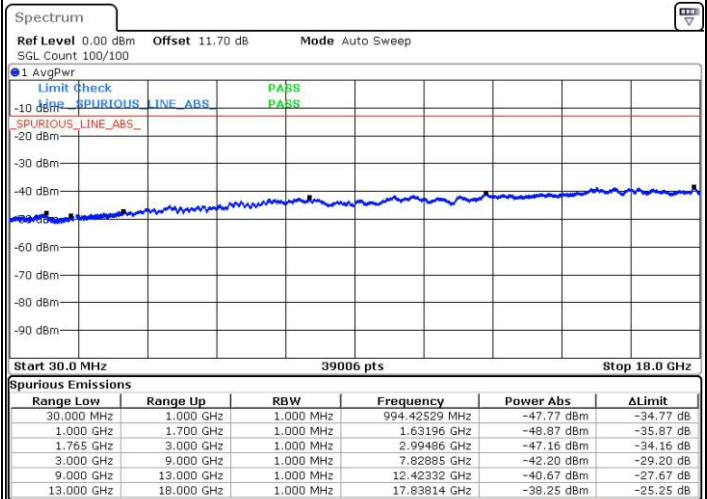
Date: 16 AUG 2018 19:34:36

Highest Channel / QPSK



Date: 16 AUG 2018 19:43:12

Highest Channel / 16QAM

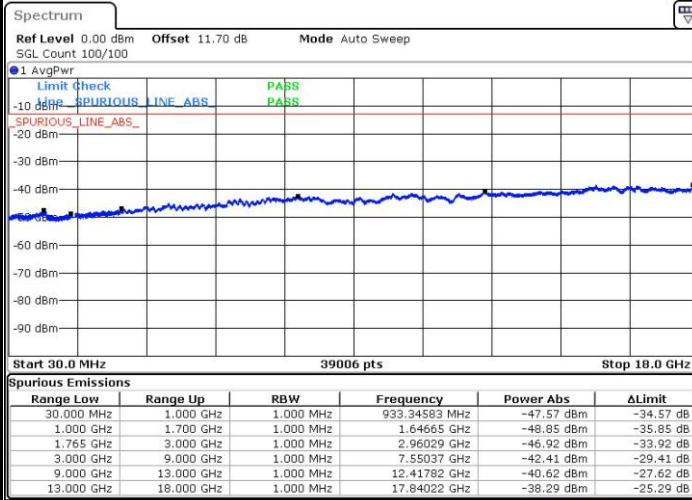


Date: 16 AUG 2018 19:44:22



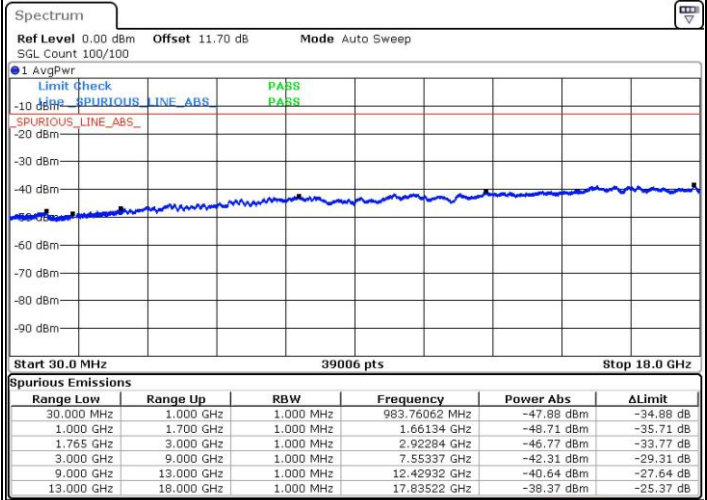
LTE Band 4 / 5MHz

Lowest Channel / QPSK



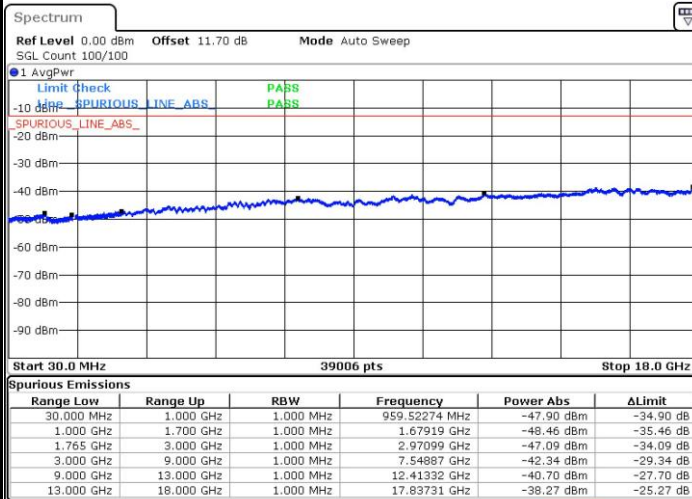
Date: 16 AUG 2018 19:52:58

Lowest Channel / 16QAM



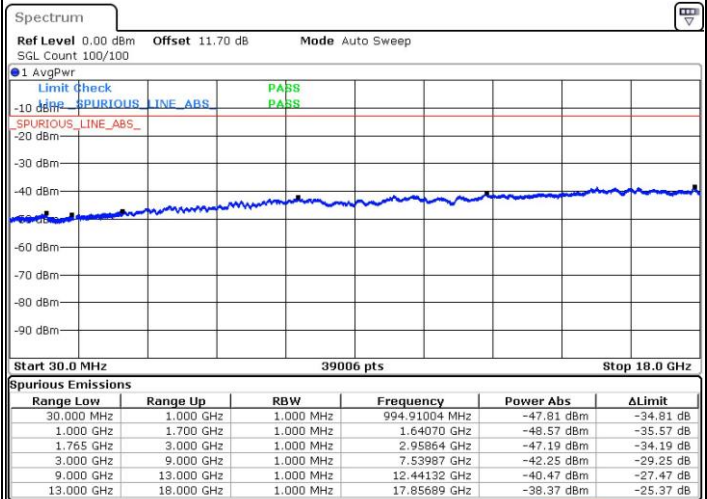
Date: 16 AUG 2018 19:54:09

Middle Channel / QPSK



Date: 16 AUG 2018 19:56:05

Middle Channel / 16QAM

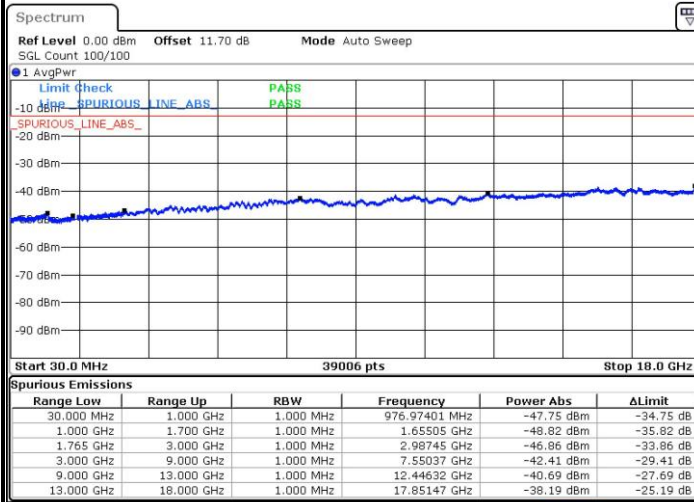


Date: 16 AUG 2018 19:57:15



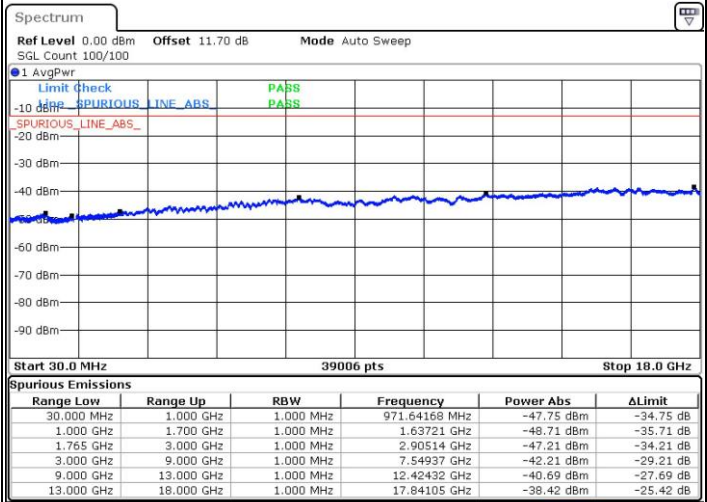
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 16 AUG 2018 20:05:51

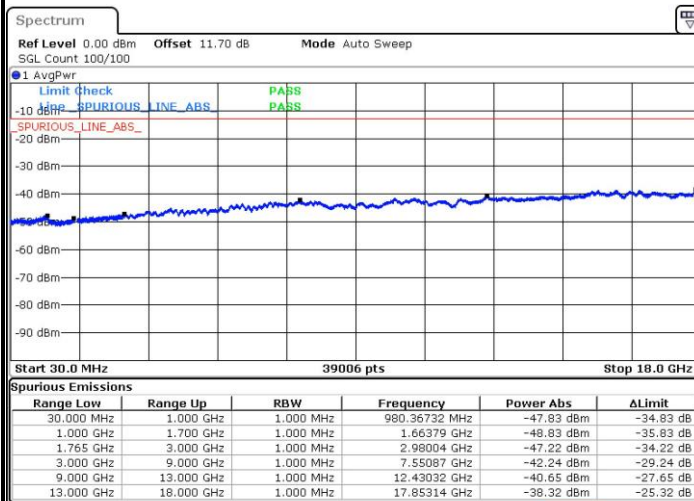
Highest Channel / 16QAM



Date: 16 AUG 2018 20:07:01

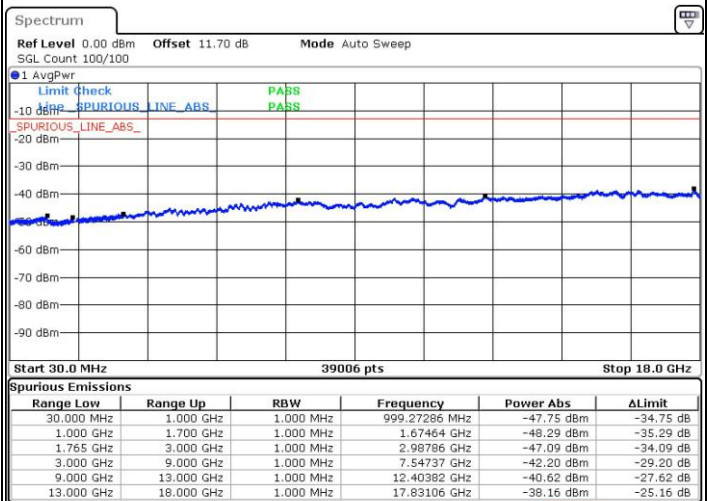
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 16 AUG 2018 20:15:38

Lowest Channel / 16QAM

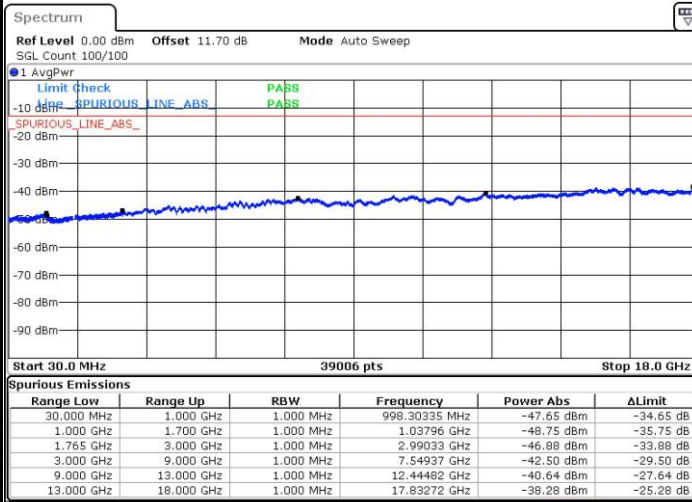


Date: 16 AUG 2018 20:16:48



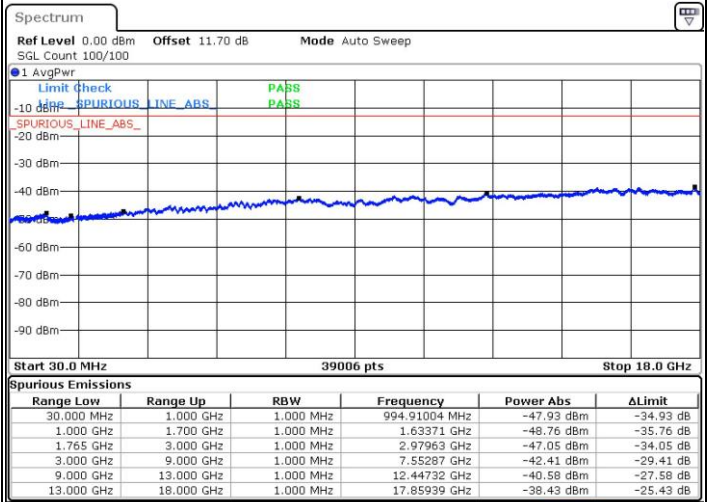
LTE Band 4 / 10MHz

Middle Channel / QPSK



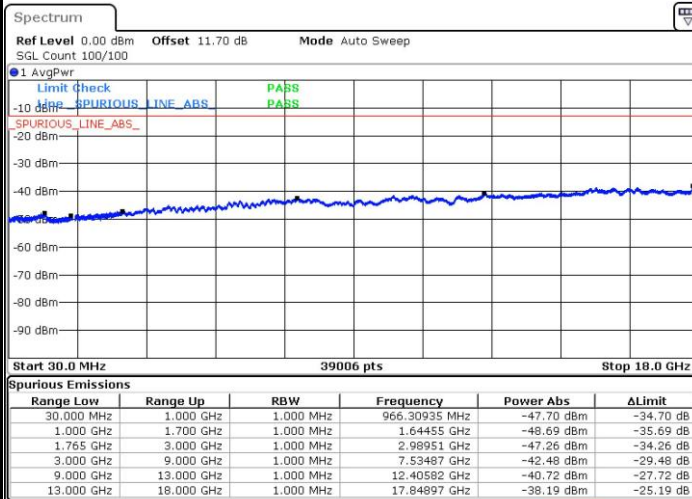
Date: 16.AUG.2018 20:18:44

Middle Channel / 16QAM



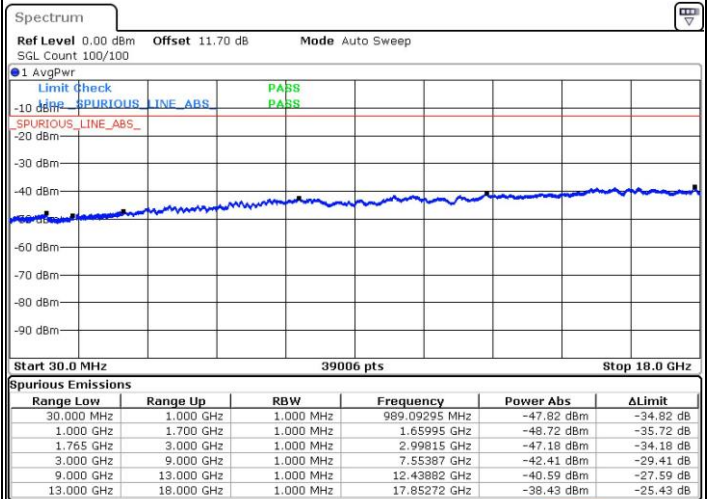
Date: 16.AUG.2018 20:19:55

Highest Channel / QPSK



Date: 16.AUG.2018 20:28:31

Highest Channel / 16QAM

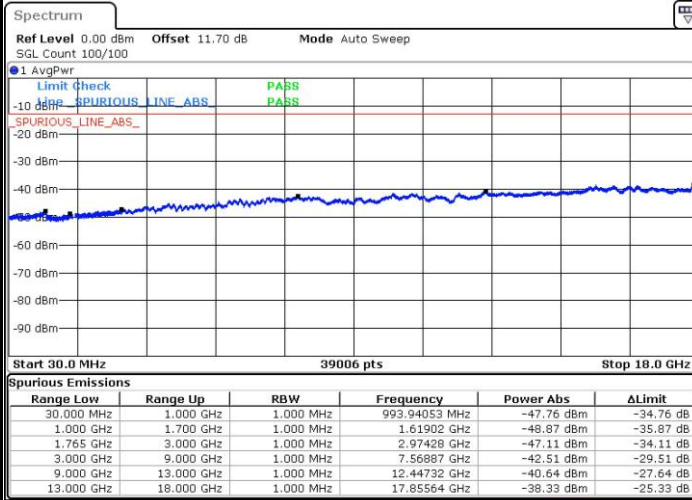


Date: 16.AUG.2018 20:29:42



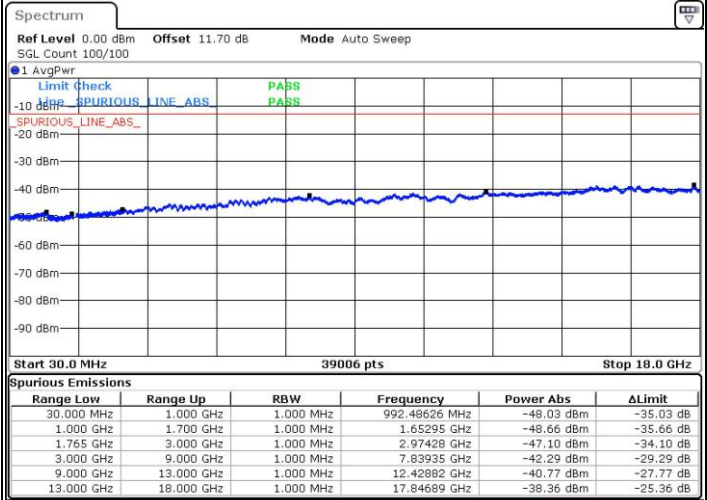
LTE Band 4 / 15MHz

Lowest Channel / QPSK



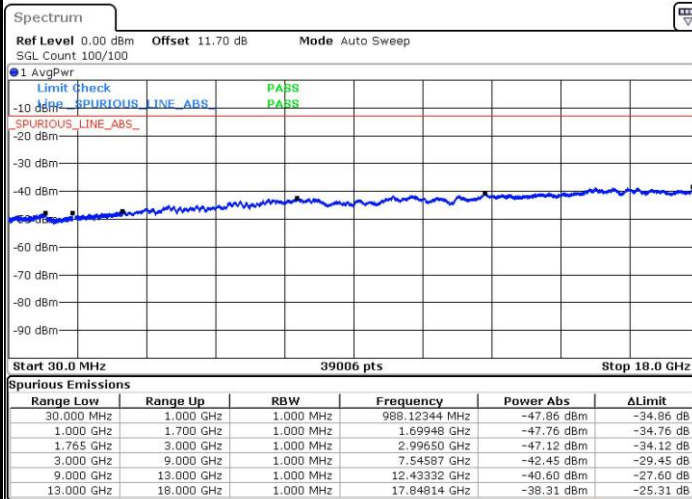
Date: 16 AUG 2018 20:38:18

Lowest Channel / 16QAM



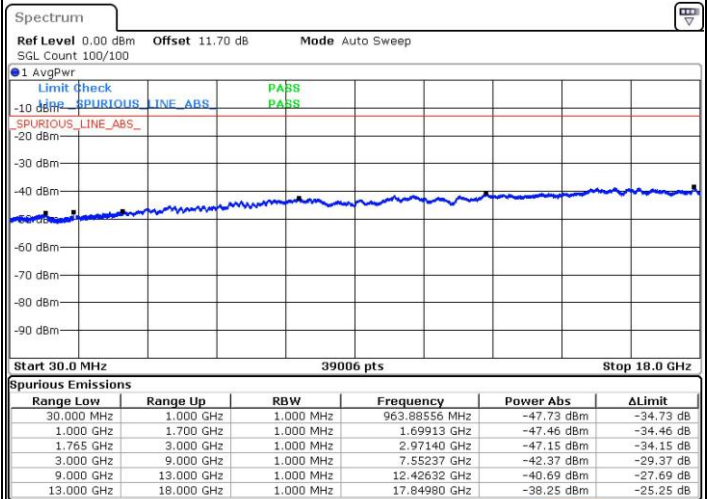
Date: 16 AUG 2018 20:39:28

Middle Channel / QPSK



Date: 16 AUG 2018 20:41:24

Middle Channel / 16QAM

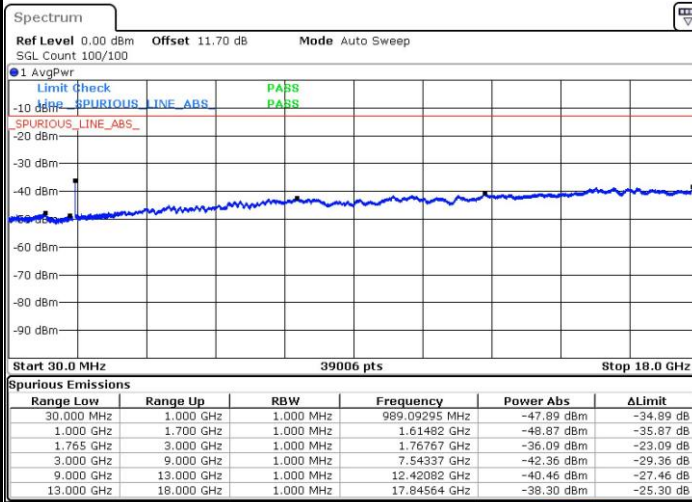


Date: 16 AUG 2018 20:42:35



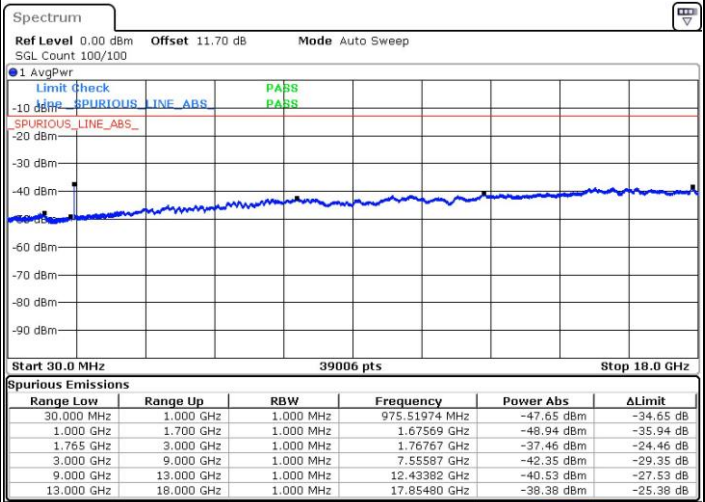
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 16 AUG 2018 20:51:11

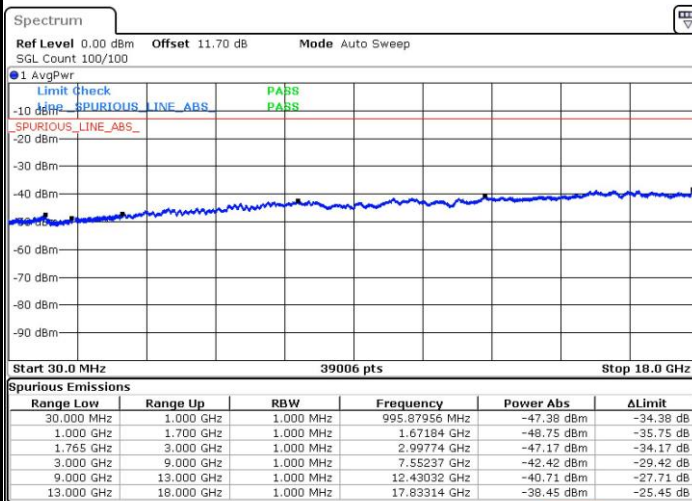
Highest Channel / 16QAM



Date: 16 AUG 2018 20:52:22

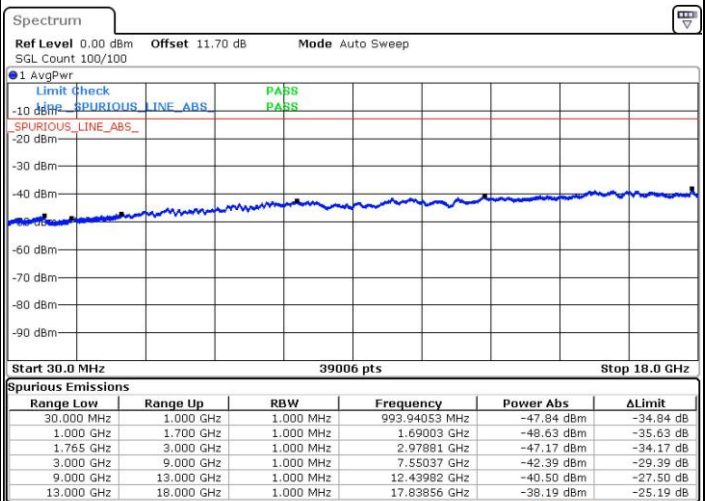
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 16 AUG 2018 21:00:58

Lowest Channel / 16QAM

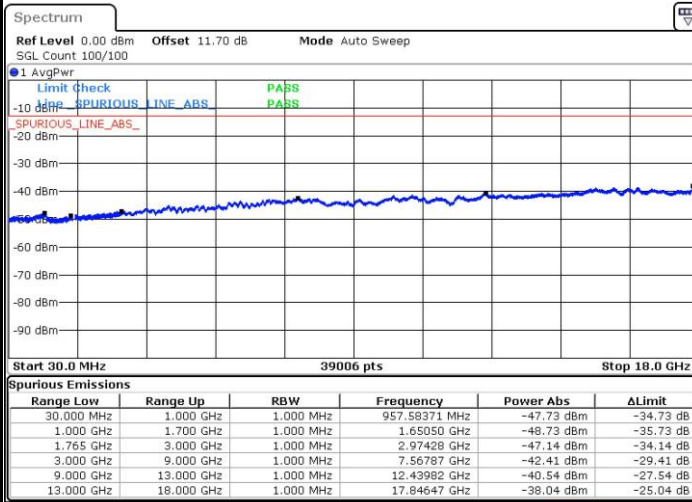


Date: 16 AUG 2018 21:02:09



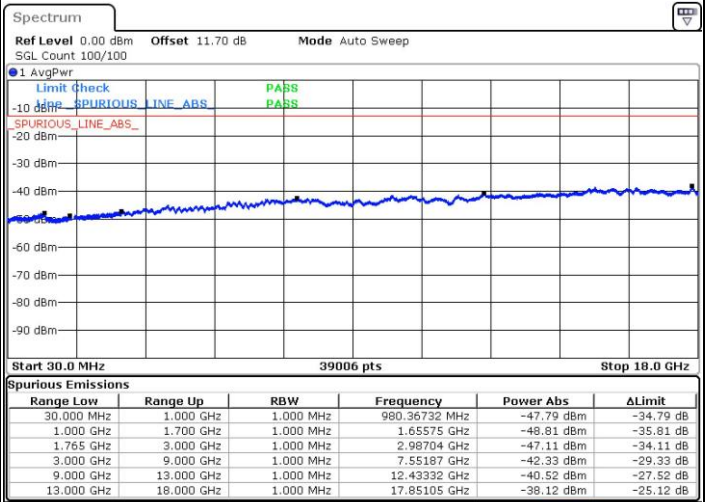
LTE Band 4 / 20MHz

Middle Channel / QPSK



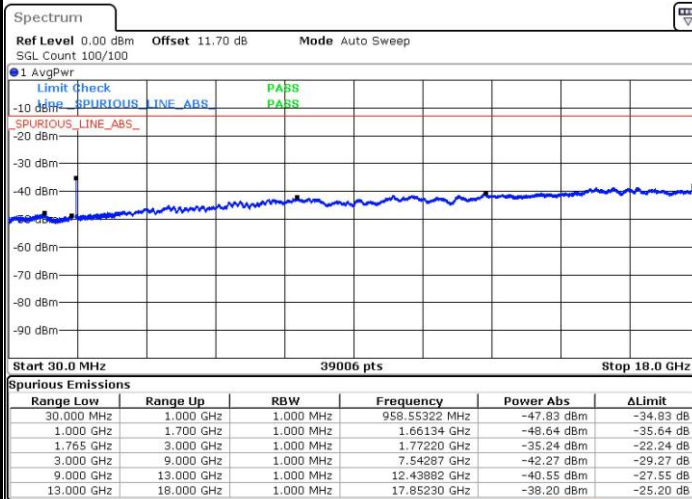
Date: 16 AUG 2018 21:04:05

Middle Channel / 16QAM



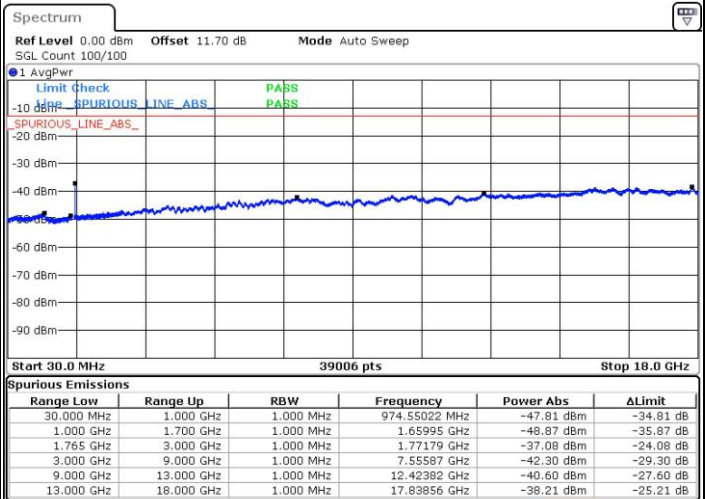
Date: 16 AUG 2018 21:05:15

Highest Channel / QPSK



Date: 16 AUG 2018 21:13:53

Highest Channel / 16QAM

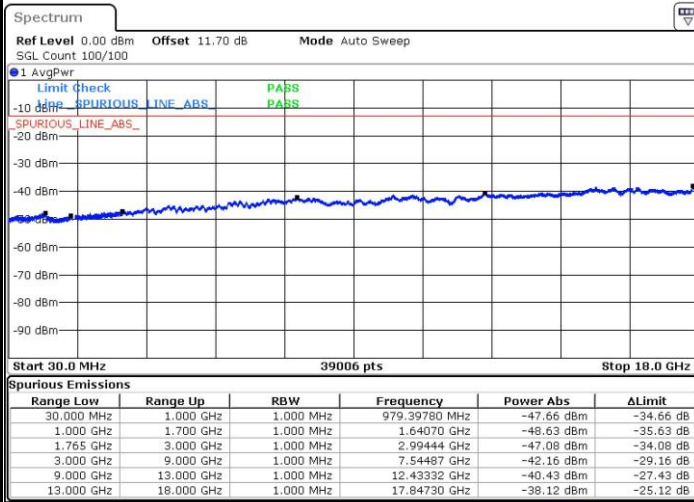


Date: 16 AUG 2018 21:15:03



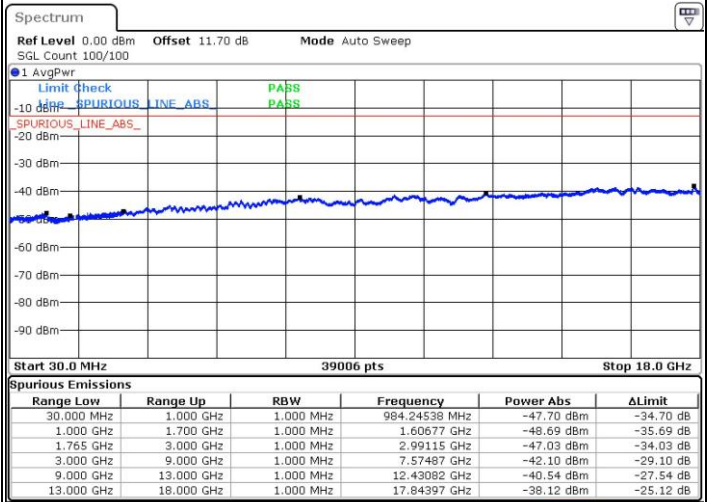
LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM



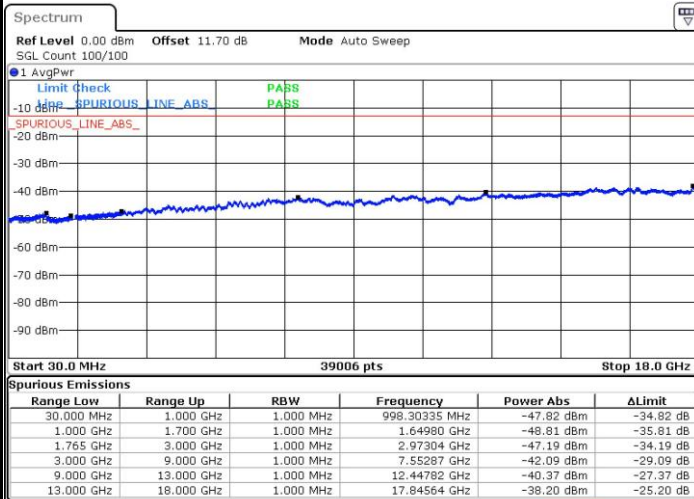
Date: 16 AUG.2018 22:32:56

Middle Channel / 64QAM



Date: 16 AUG.2018 22:34:14

Highest Channel / 64QAM

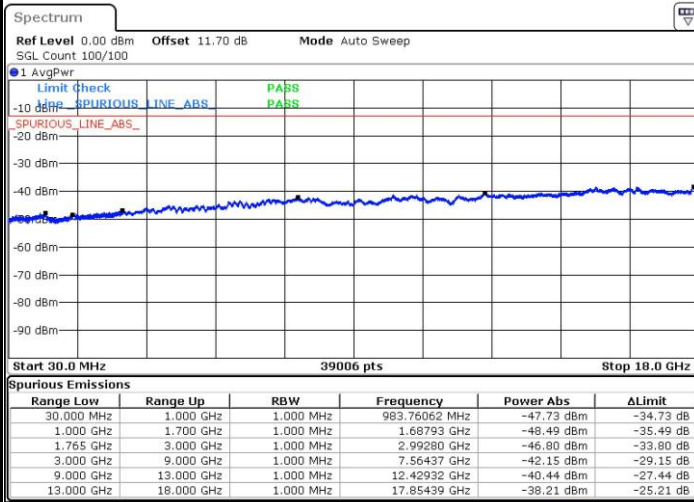


Date: 16 AUG.2018 22:37:52



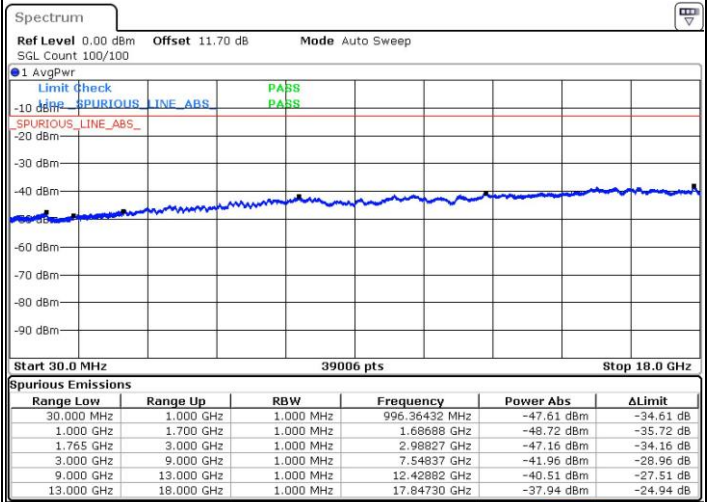
LTE Band 4 / 3MHz

Lowest Channel / 64QAM



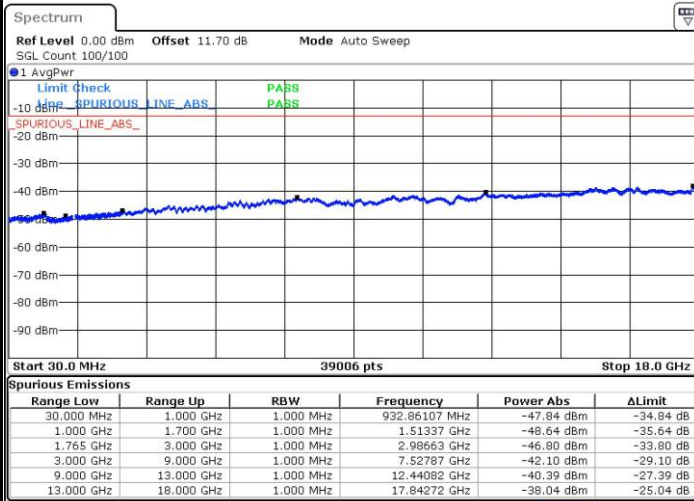
Date: 16.AUG.2018 22:16:23

Middle Channel / 64QAM



Date: 16.AUG.2018 22:17:18

Highest Channel / 64QAM

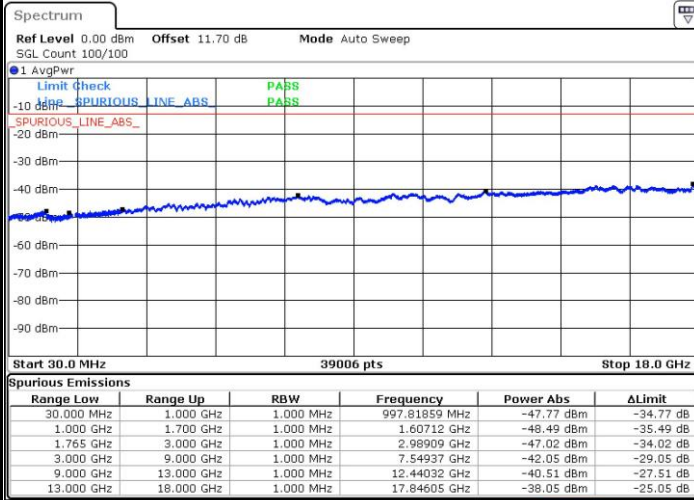


Date: 16.AUG.2018 22:18:13



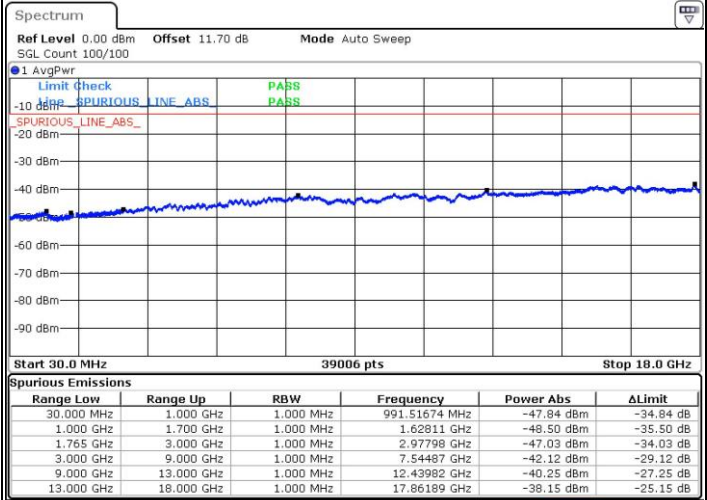
LTE Band 4 / 5MHz

Lowest Channel / 64QAM



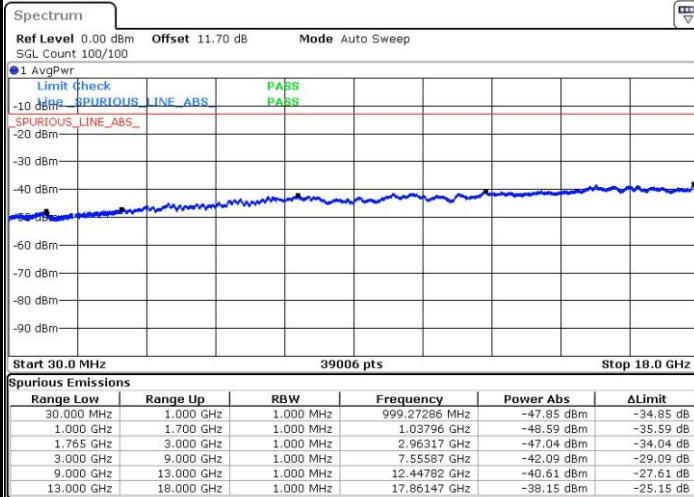
Date: 16 AUG.2018 22:19:08

Middle Channel / 64QAM



Date: 16 AUG.2018 22:20:04

Highest Channel / 64QAM

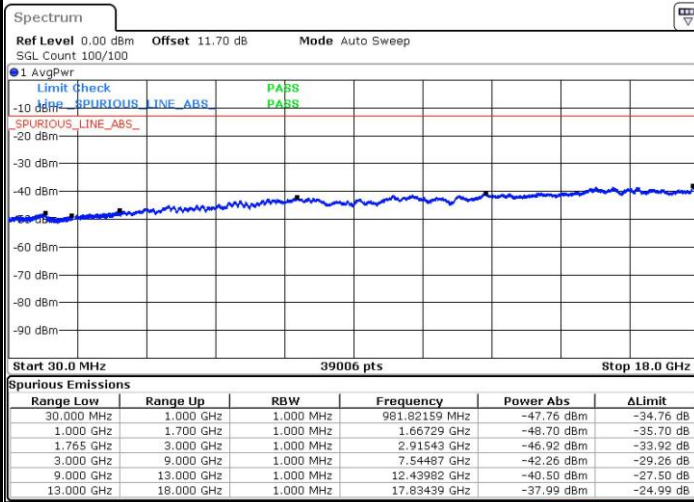


Date: 16 AUG.2018 22:20:59



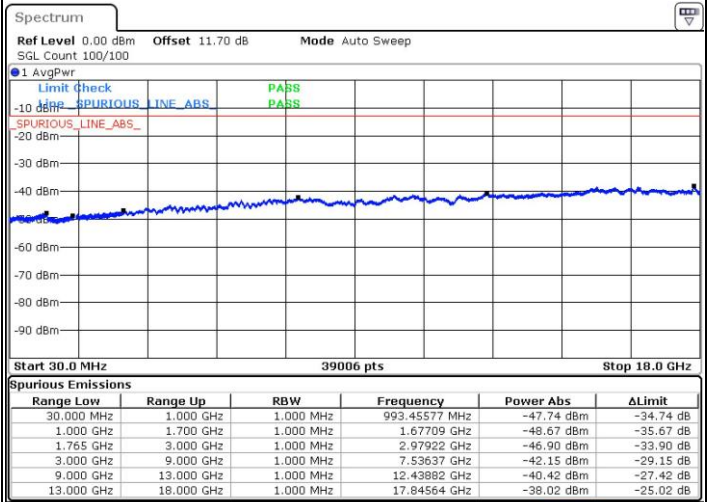
LTE Band 4 / 10MHz

Lowest Channel / 64QAM



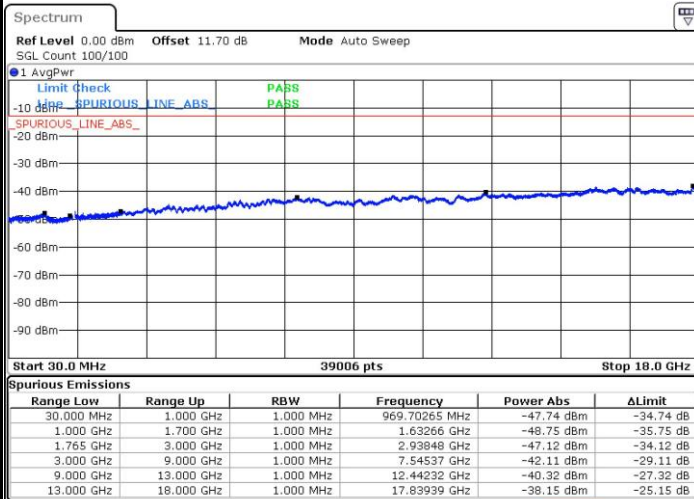
Date: 16 AUG.2018 22:21:55

Middle Channel / 64QAM



Date: 16 AUG.2018 22:22:50

Highest Channel / 64QAM

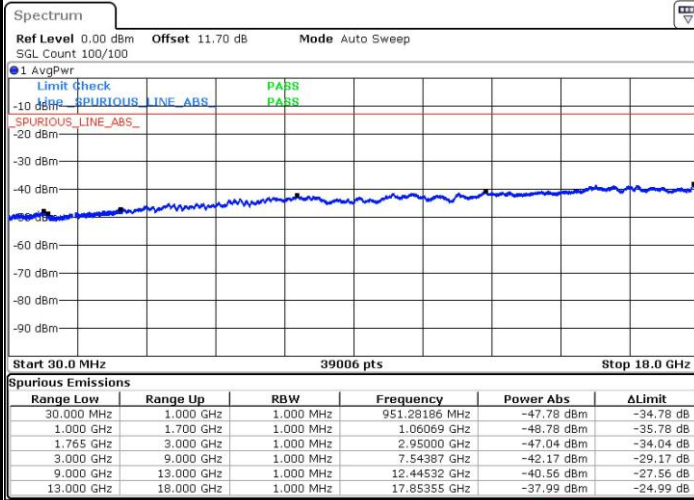


Date: 16 AUG.2018 22:23:45



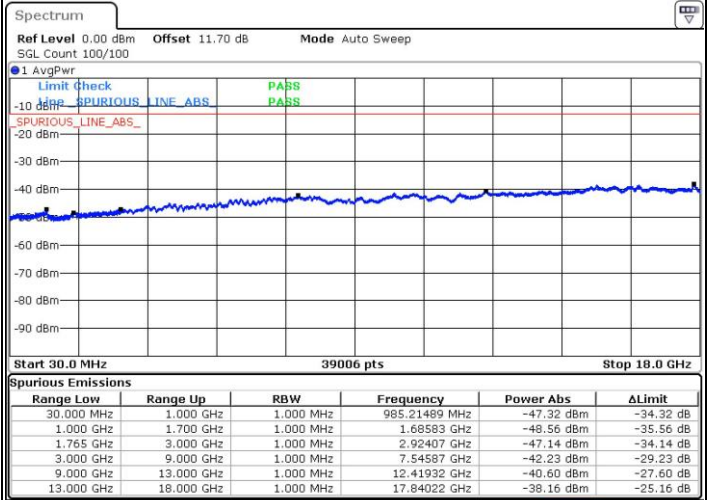
LTE Band 4 / 15MHz

Lowest Channel / 64QAM



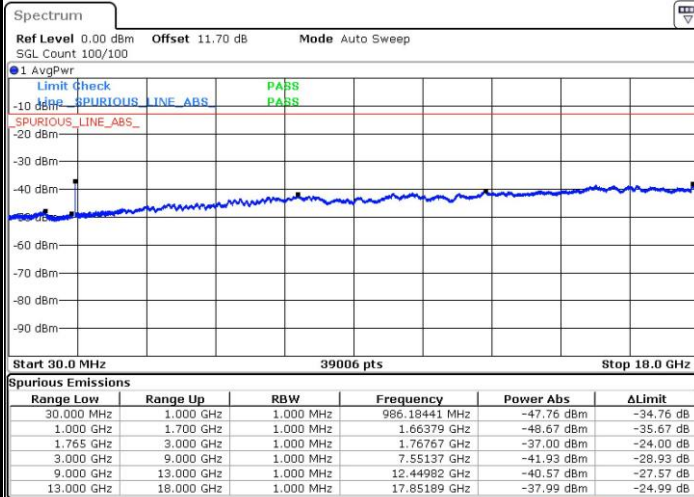
Date: 16 AUG 2018 22:24:41

Middle Channel / 64QAM



Date: 16 AUG 2018 22:25:36

Highest Channel / 64QAM

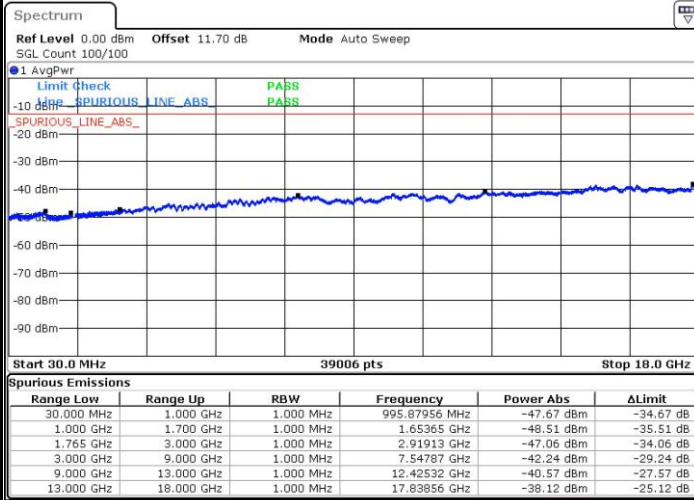


Date: 16 AUG 2018 22:26:31



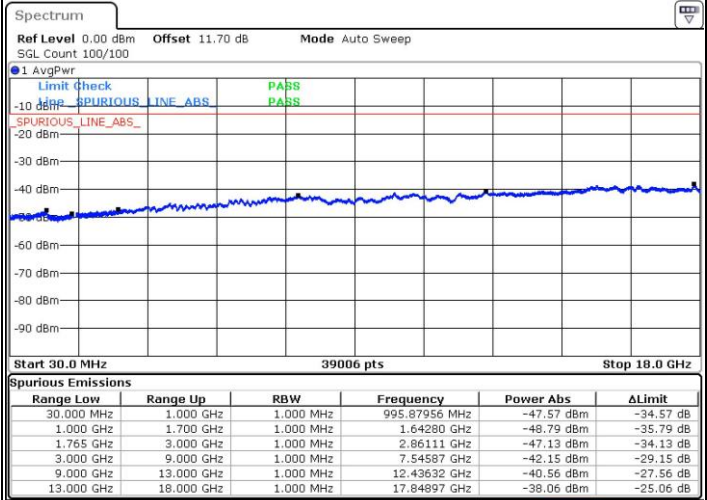
LTE Band 4 / 20MHz

Lowest Channel / 64QAM



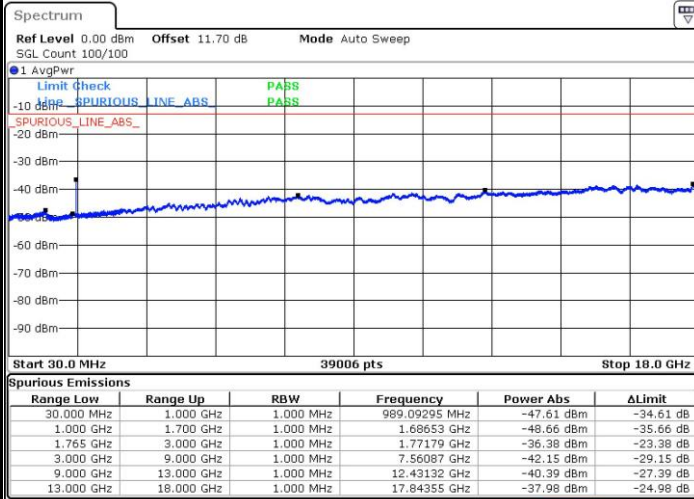
Date: 16 AUG.2018 22:27:27

Middle Channel / 64QAM



Date: 16 AUG.2018 22:28:22

Highest Channel / 64QAM



Date: 16 AUG.2018 22:29:18

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	0.0072	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0070	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0071	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



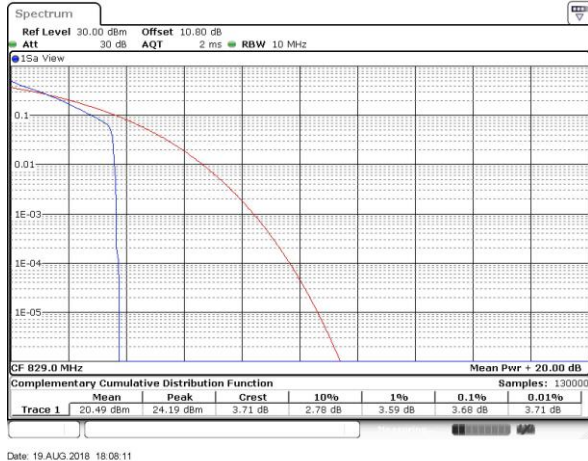
LTE Band 5

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	3.68	4.75	5.42	6.06	PASS
Middle CH	3.68	4.99	5.48	6.17	
Highest CH	3.74	4.81	5.59	6.06	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.96	6.67	-	-	PASS
Middle CH	6.93	6.78	-	-	
Highest CH	7.51	6.70	-	-	

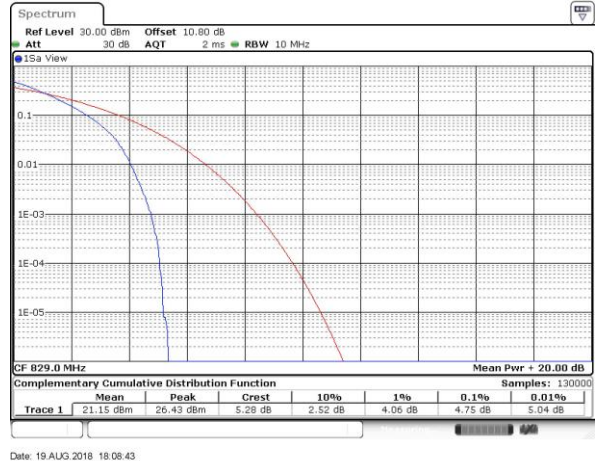
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



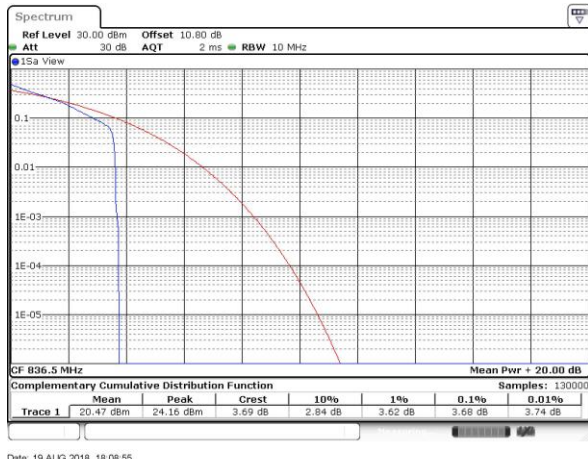
Date: 19 AUG 2018 18:08:11

Lowest Channel / Full RB



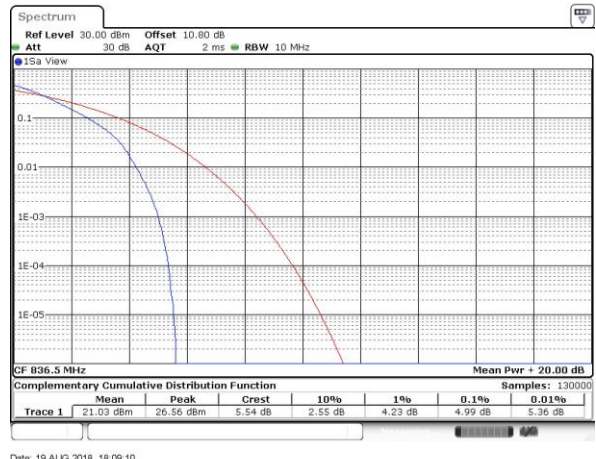
Date: 19 AUG 2018 18:08:43

Middle Channel / 1RB



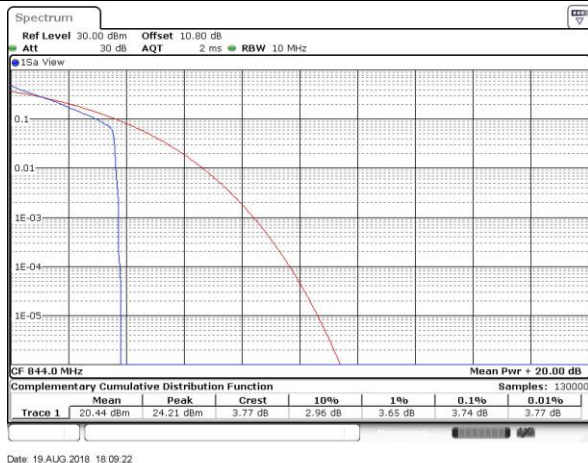
Date: 19 AUG 2018 18:08:55

Middle Channel / Full RB



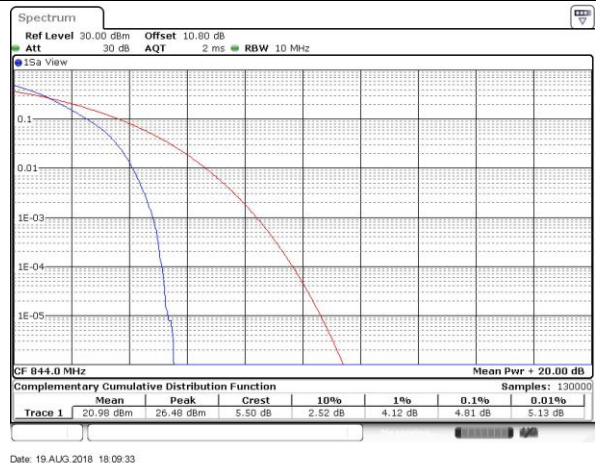
Date: 19 AUG 2018 18:09:10

Highest Channel / 1RB

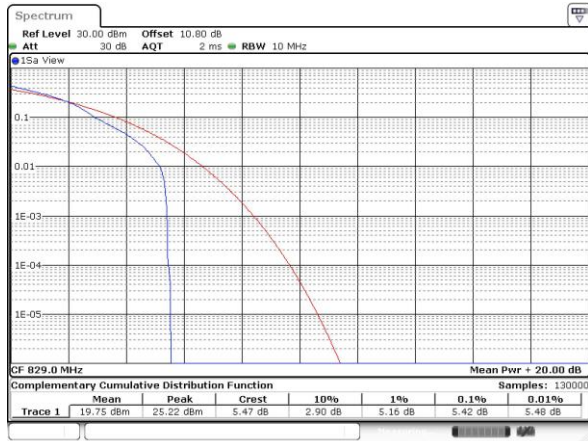


Date: 19 AUG 2018 18:09:22

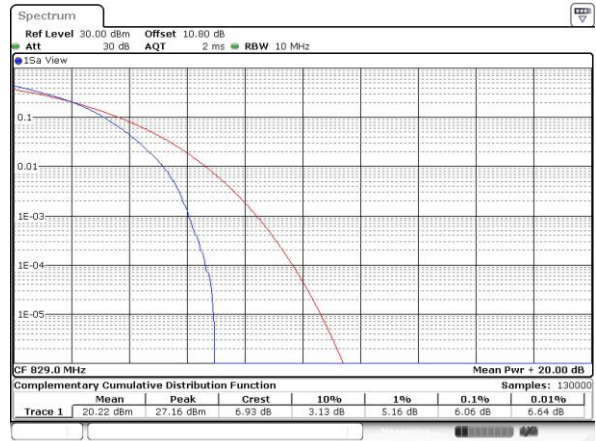
Highest Channel / Full RB



Date: 19 AUG 2018 18:09:33

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


Date: 19 AUG 2018 18:05:54

Lowest Channel / Full RB


Date: 19 AUG 2018 18:06:06

Middle Channel / 1RB

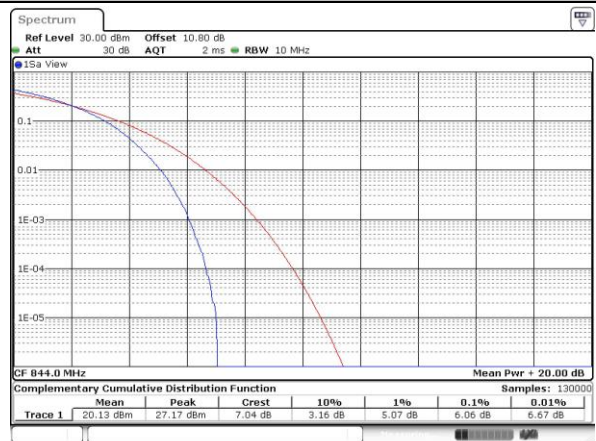

Date: 19 AUG 2018 18:06:17

Middle Channel / Full RB


Date: 19 AUG 2018 18:06:28

Highest Channel / 1RB


Date: 19 AUG 2018 18:06:41

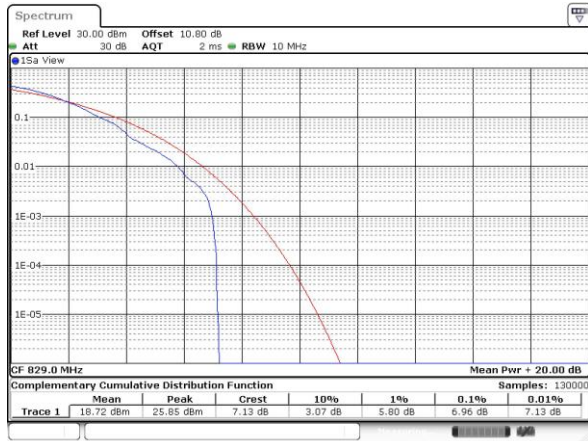
Highest Channel / Full RB


Date: 19 AUG 2018 18:06:52

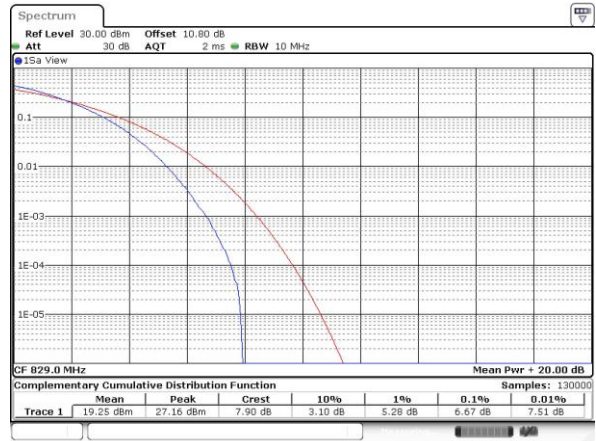


LTE Band 5 / 10MHz / 64QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



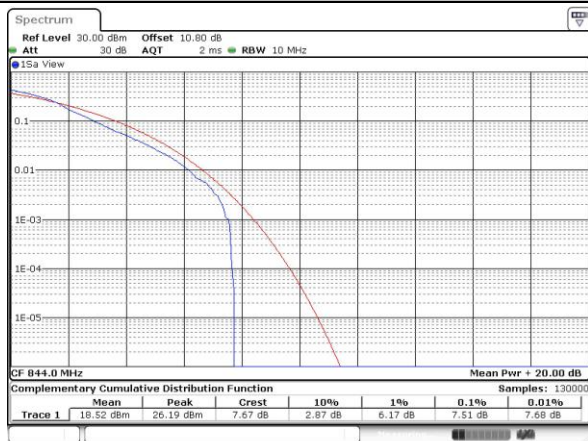
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

