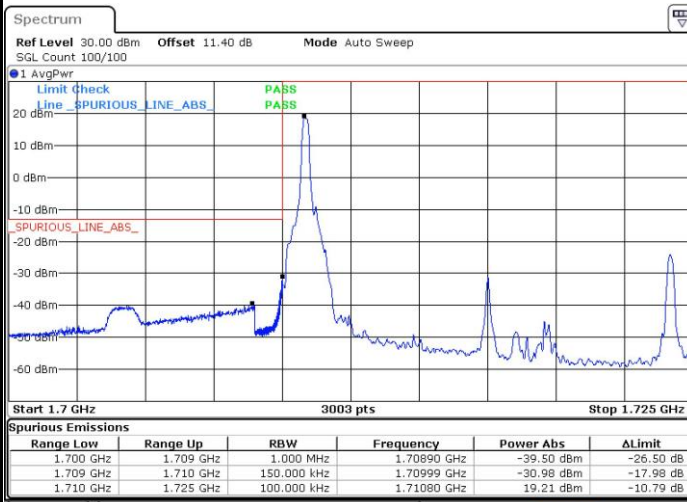




LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



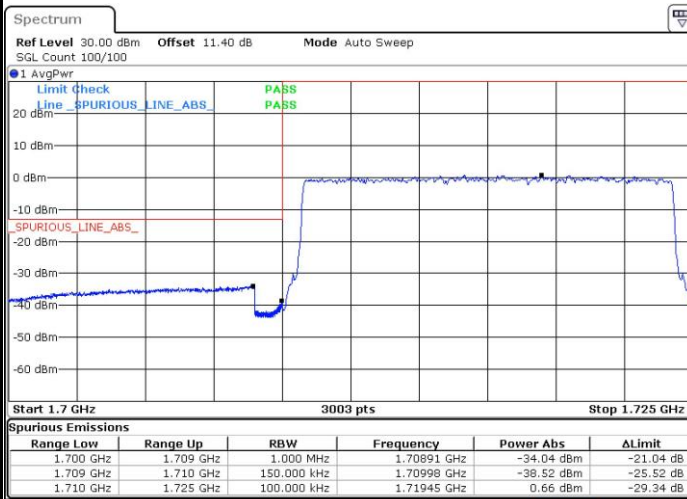
Date: 27.APR.2017 11:10:11

Highest Band Edge / 1 RB



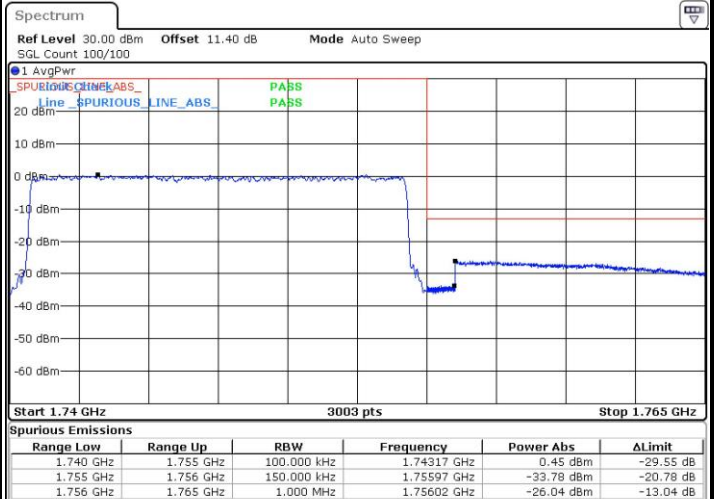
Date: 27.APR.2017 11:14:59

Lowest Band Edge / Full RB



Date: 27.APR.2017 11:11:20

Highest Band Edge / Full RB

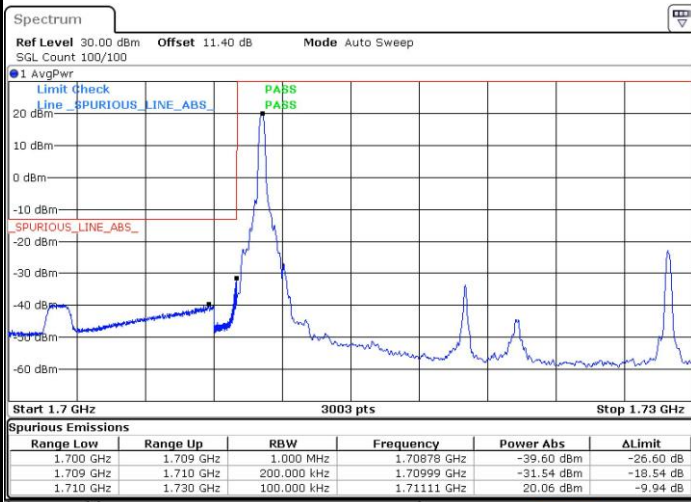


Date: 27.APR.2017 11:16:08



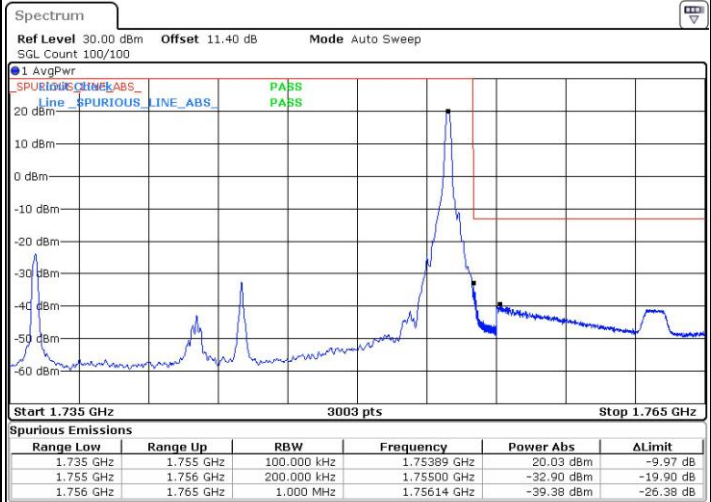
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



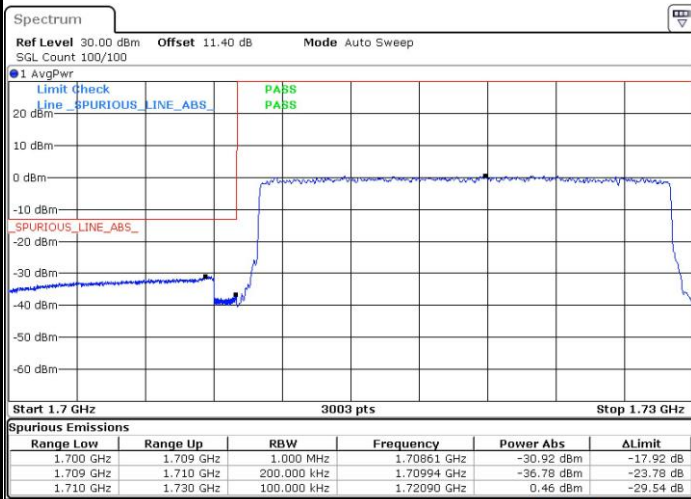
Date: 5 APR 2017 12:00:19

Highest Band Edge / 1 RB



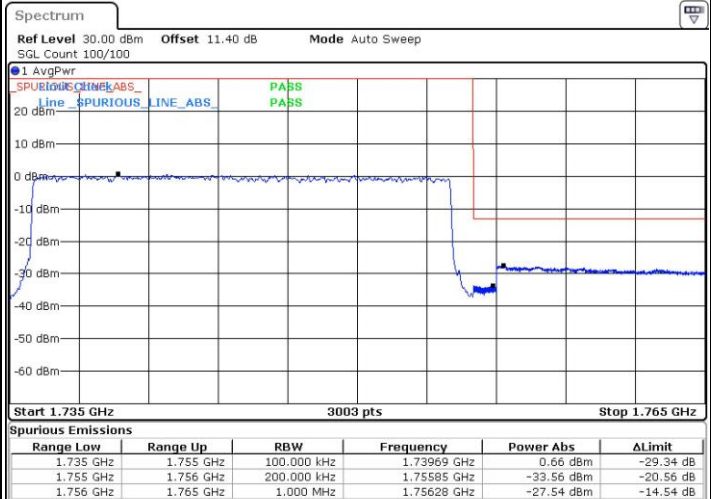
Date: 5 APR 2017 12:09:57

Lowest Band Edge / Full RB



Date: 5 APR 2017 12:02:38

Highest Band Edge / Full RB

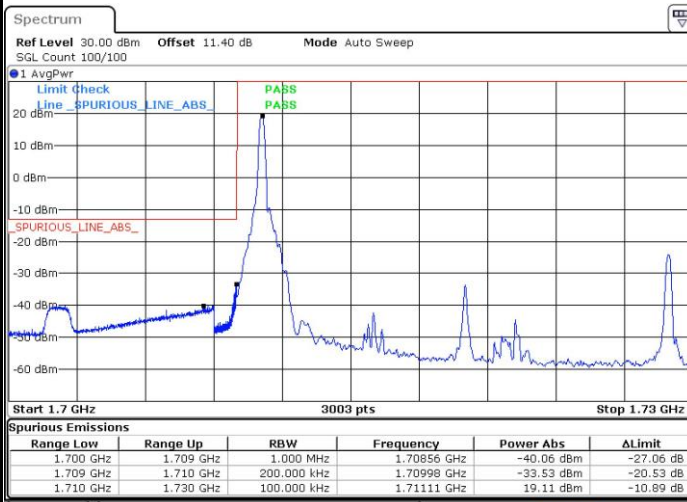


Date: 5 APR 2017 12:12:15

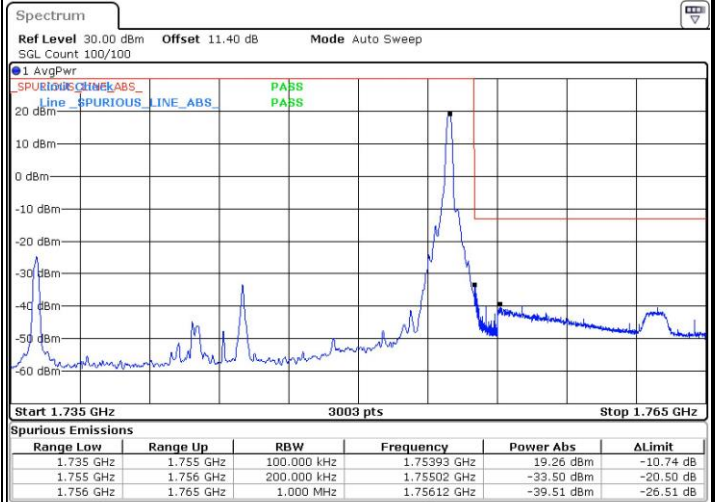


LTE Band 4 / 20MHz / 16QAM

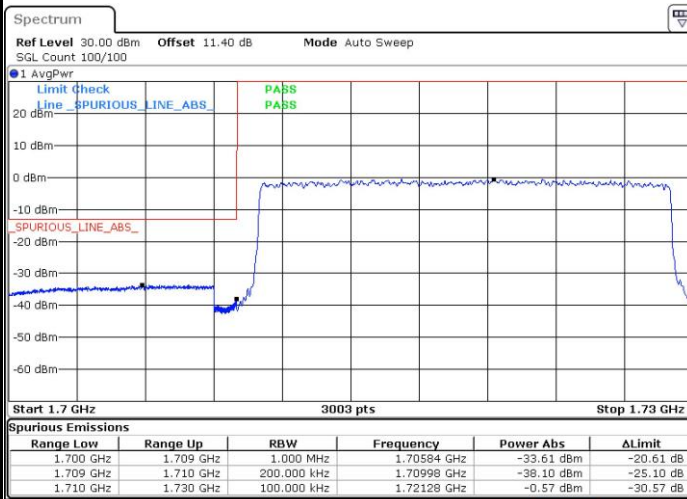
Lowest Band Edge / 1 RB



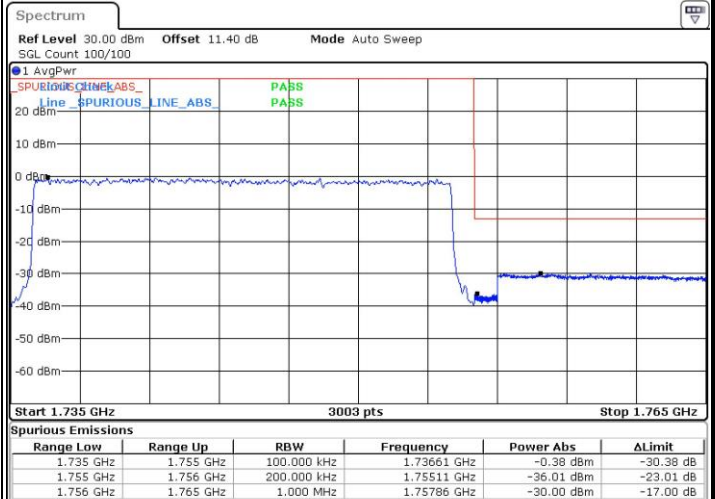
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



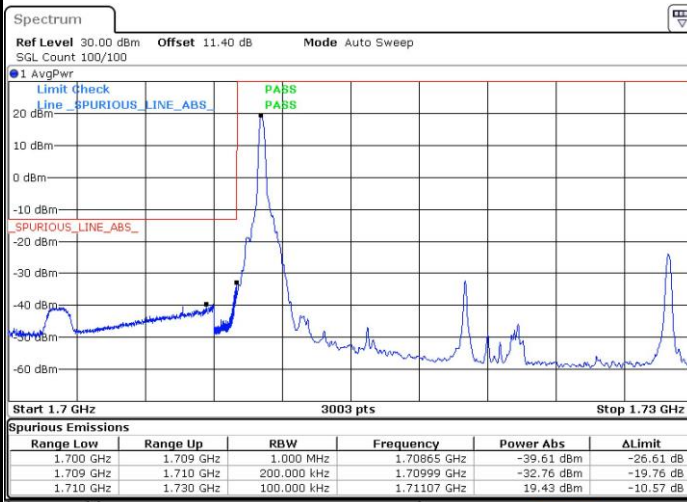
Highest Band Edge / Full RB





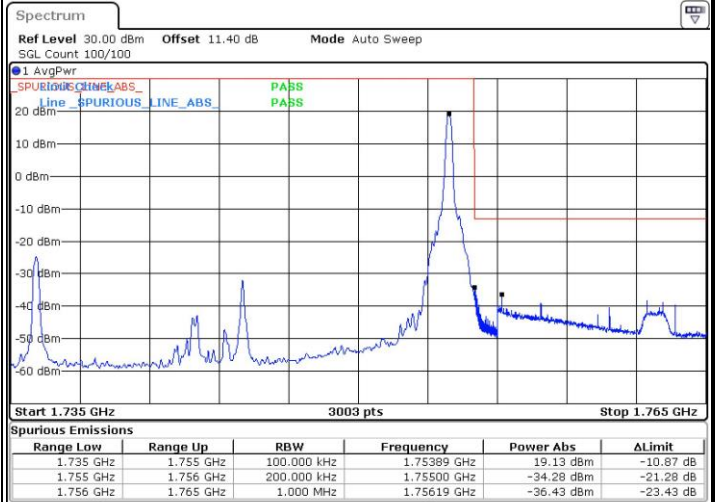
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



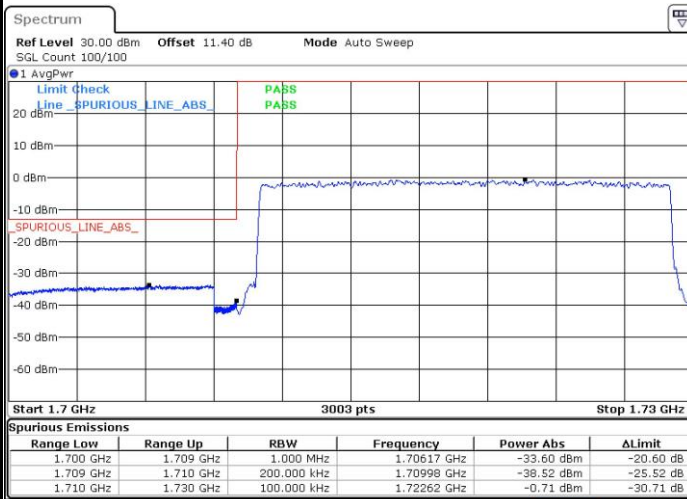
Date: 27.APR.2017 11:18:32

Highest Band Edge / 1 RB



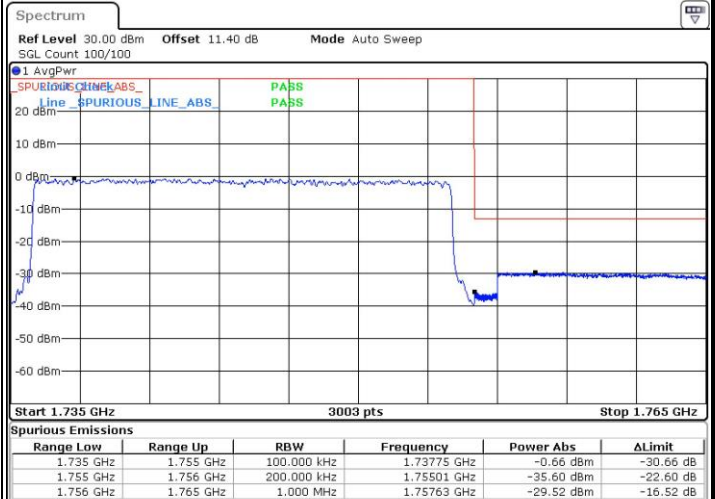
Date: 27.APR.2017 11:23:20

Lowest Band Edge / Full RB



Date: 27.APR.2017 11:19:41

Highest Band Edge / Full RB



Date: 27.APR.2017 11:24:29



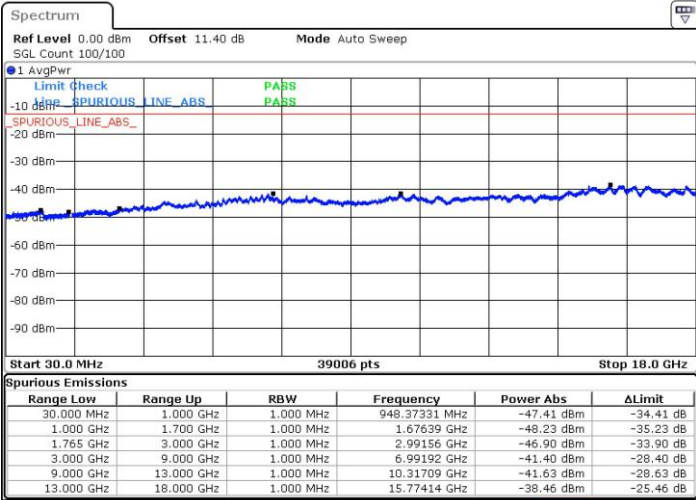
Conducted Spurious Emission



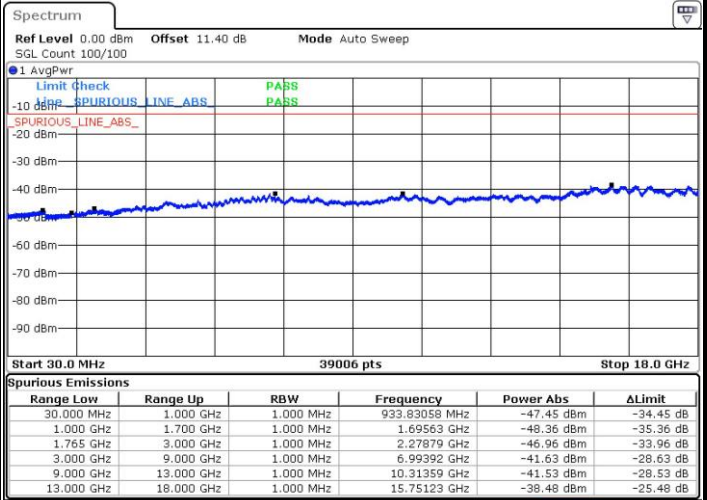
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



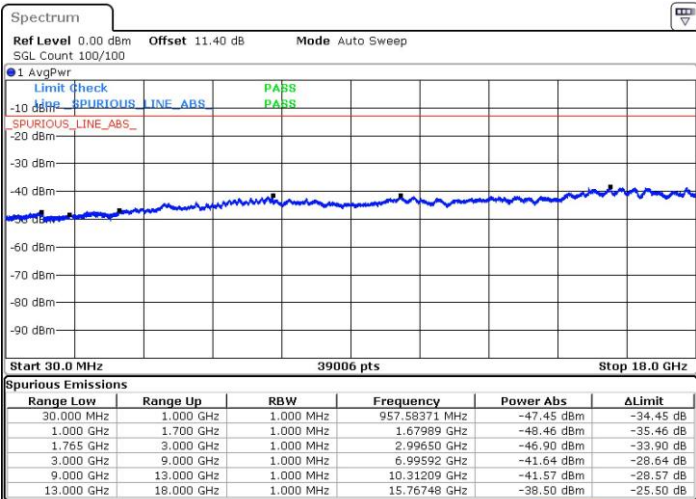
Date: 5 APR 2017 13:39:59



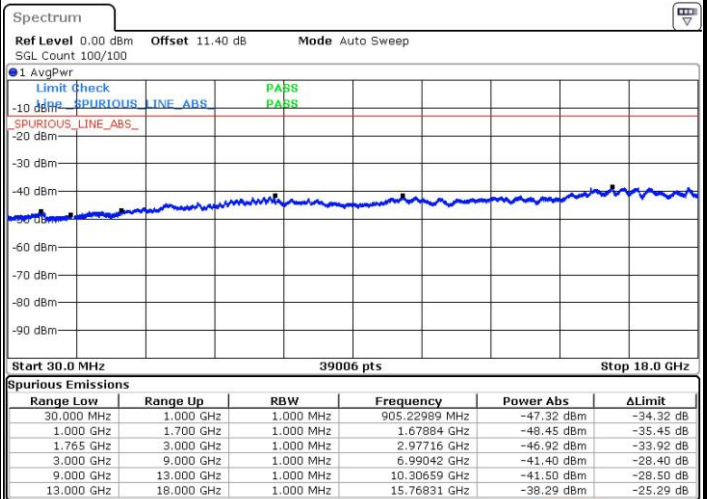
Date: 5 APR 2017 13:40:54

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 5 APR 2017 13:42:30

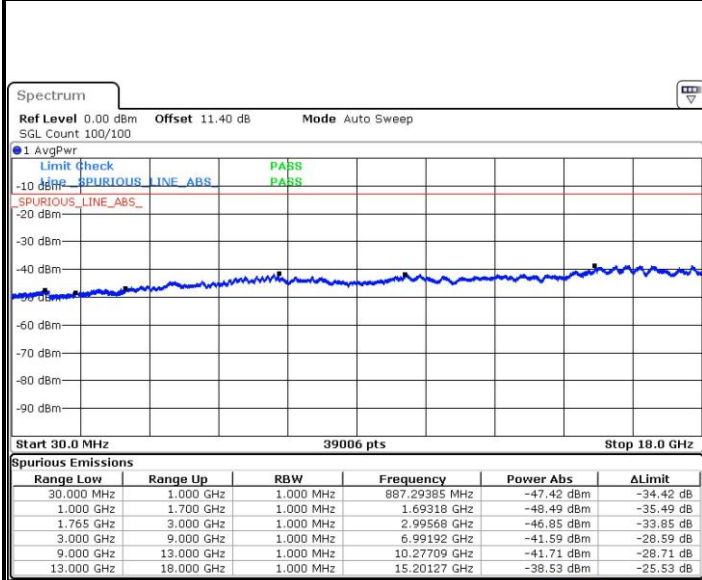


Date: 5 APR 2017 13:43:24



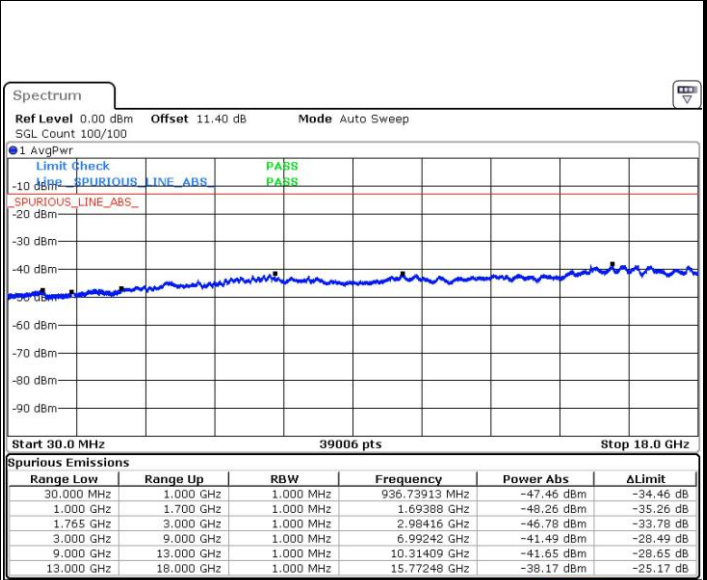
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 5 APR 2017 13:49:36

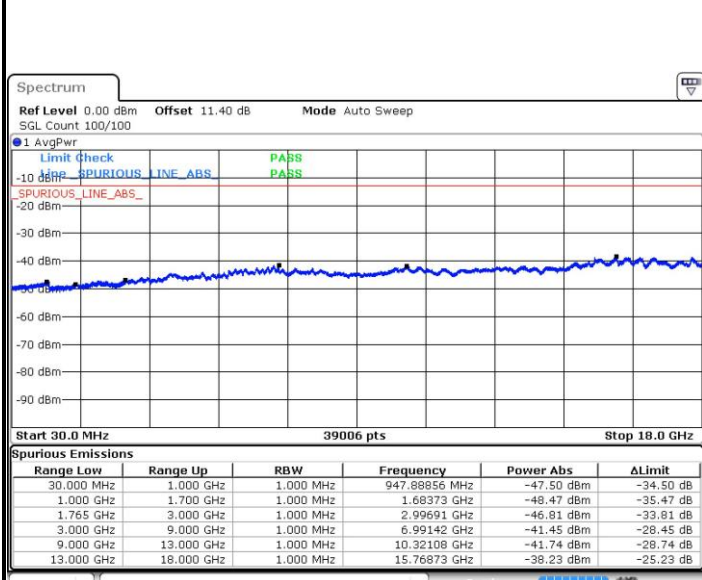
Highest Channel / 16QAM



Date: 5 APR 2017 13:50:31

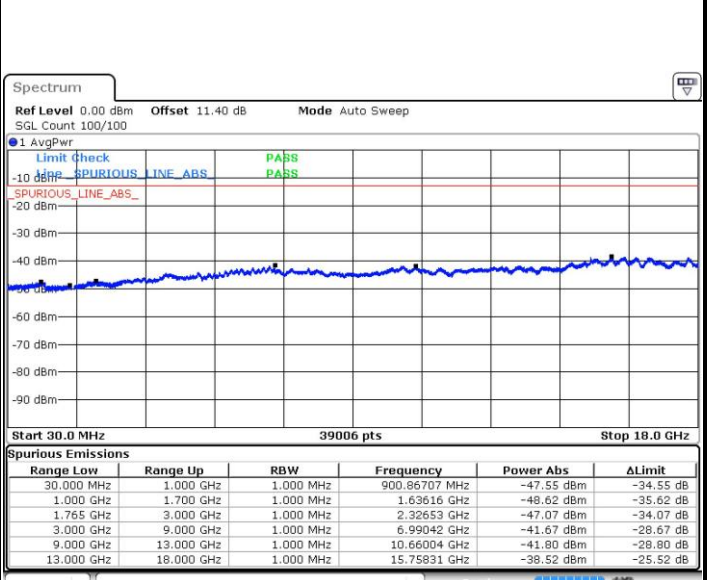
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 5 APR 2017 10:57:44

Lowest Channel / 16QAM



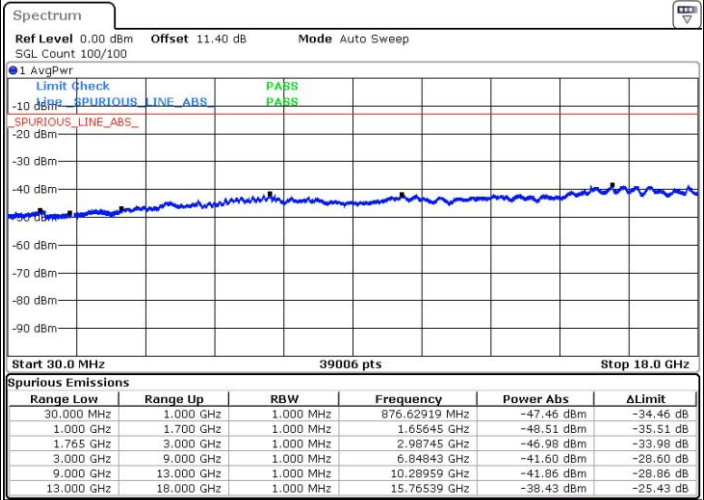
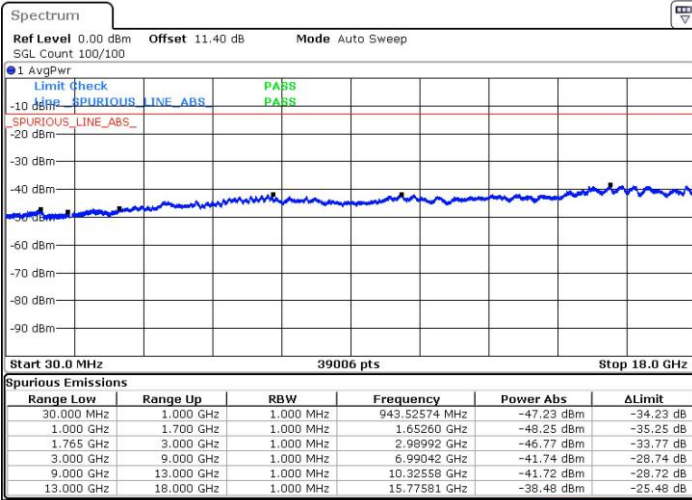
Date: 5 APR 2017 10:58:39



LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

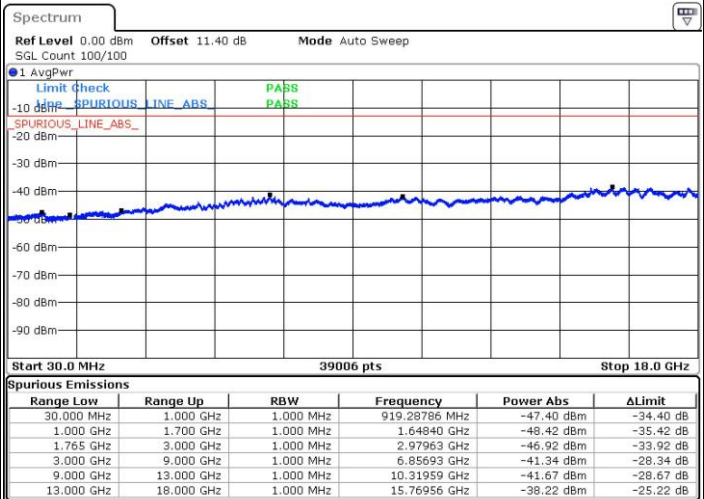
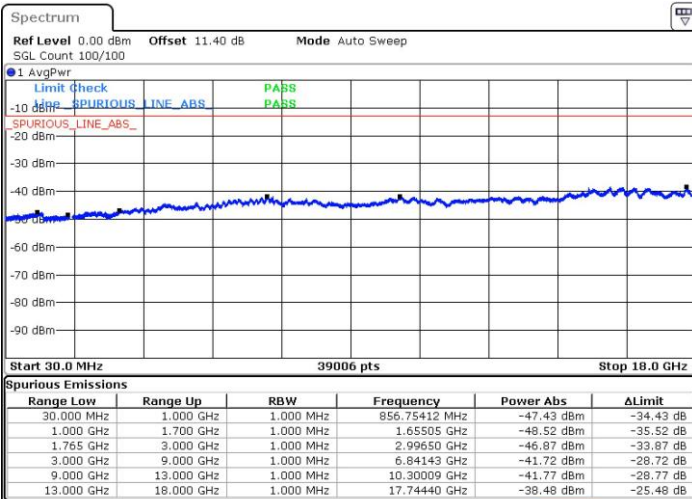


Date: 5 APR 2017 11:00:15

Date: 5 APR 2017 11:01:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 APR 2017 11:07:22

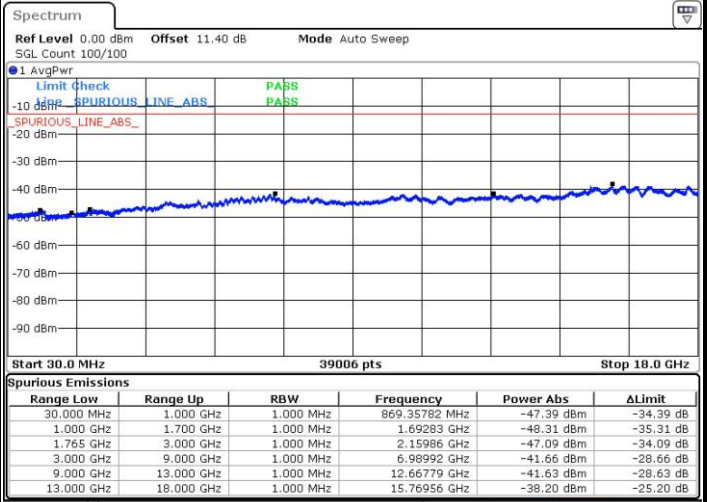
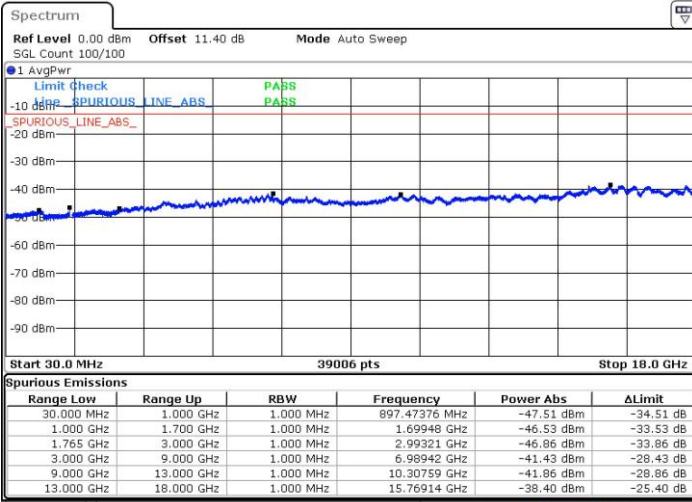
Date: 5 APR 2017 11:08:17



LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

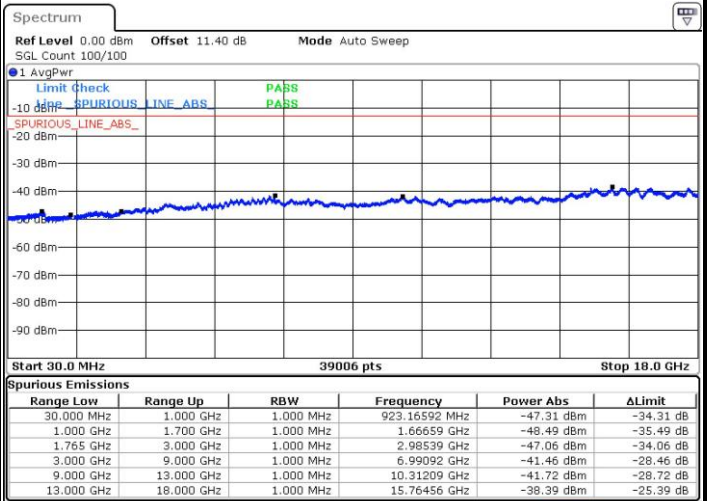
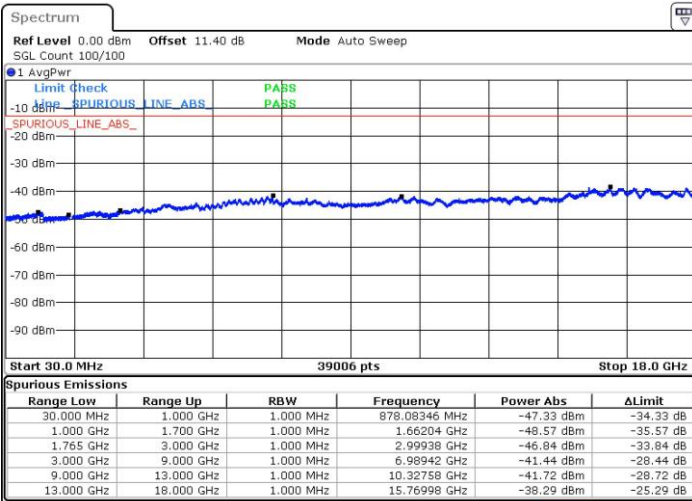


Date: 5 APR 2017 11:14:29

Date: 5 APR 2017 11:15:24

Middle Channel / QPSK

Middle Channel / 16QAM



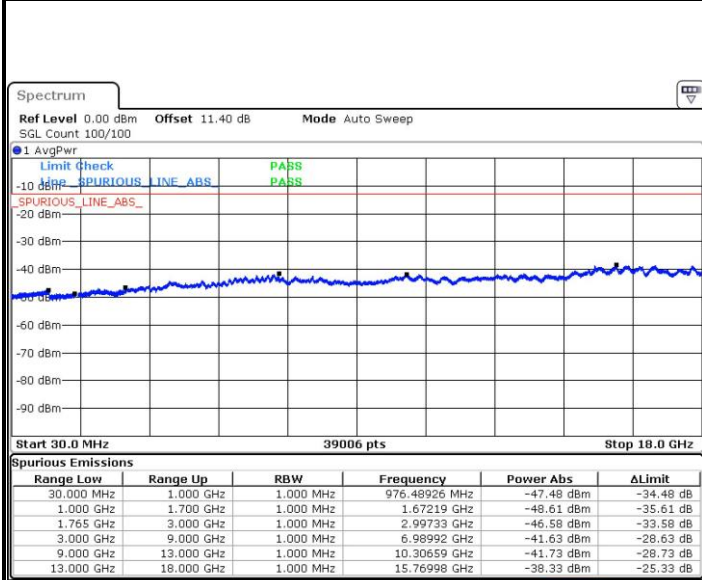
Date: 5 APR 2017 11:17:00

Date: 5 APR 2017 11:17:54



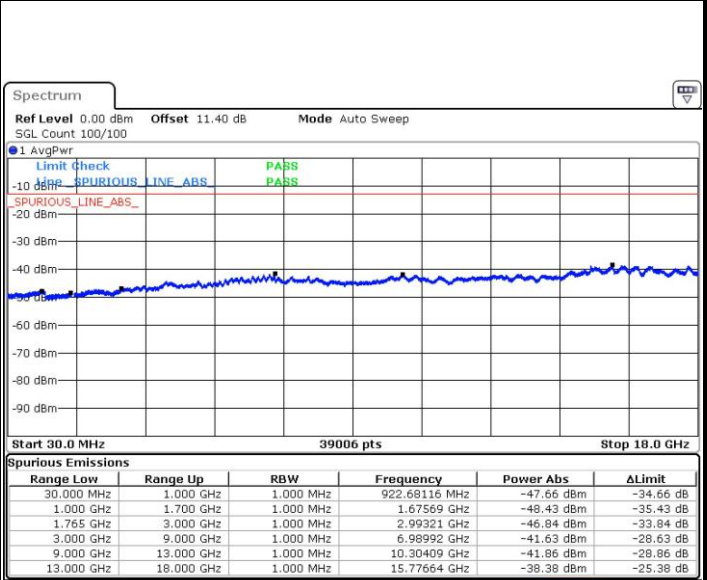
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 5 APR 2017 11:24:07

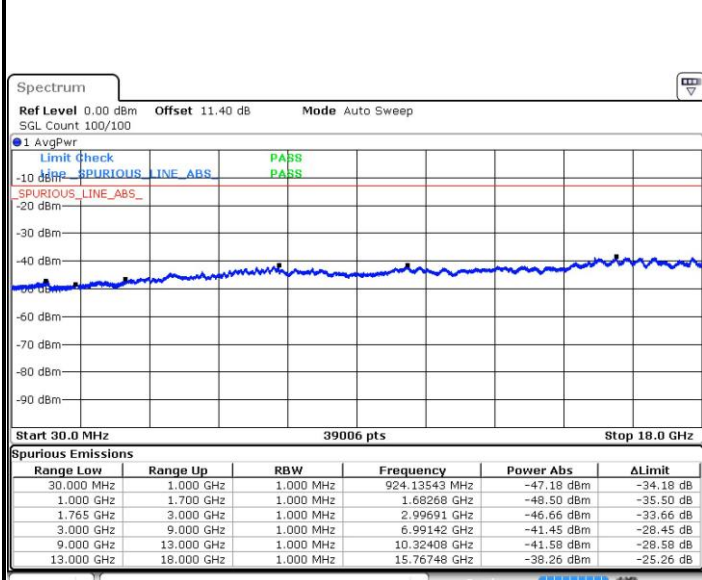
Highest Channel / 16QAM



Date: 5 APR 2017 11:25:01

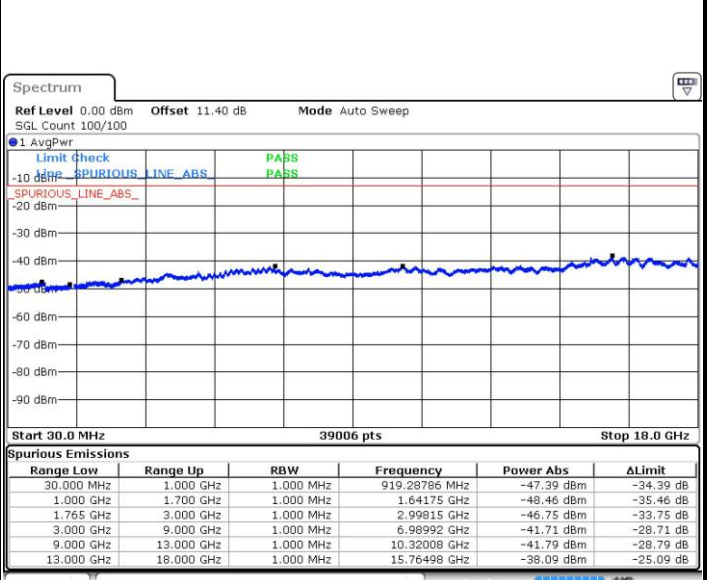
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 5 APR 2017 11:31:13

Lowest Channel / 16QAM



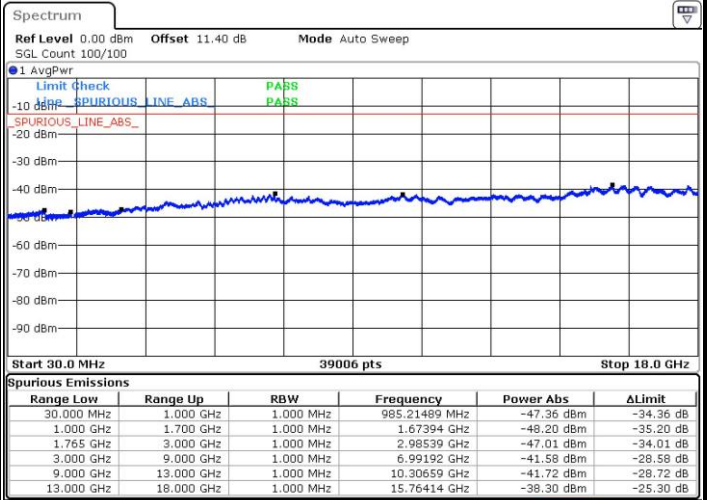
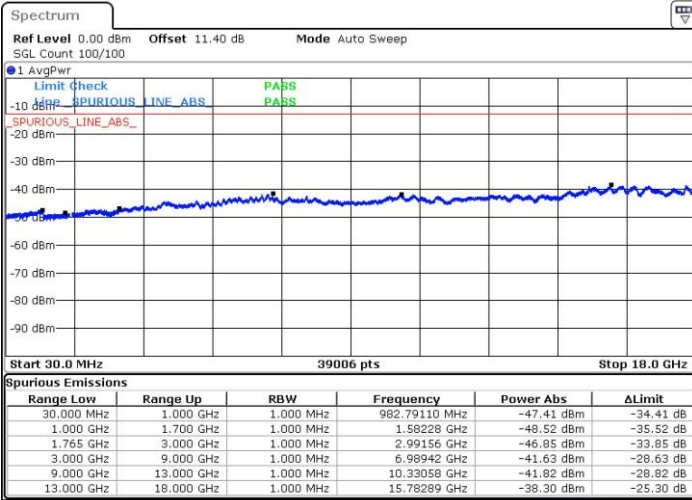
Date: 5 APR 2017 11:32:08



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

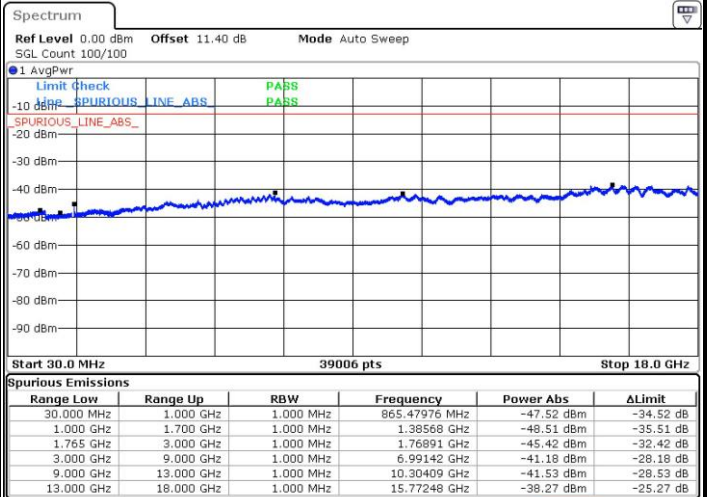
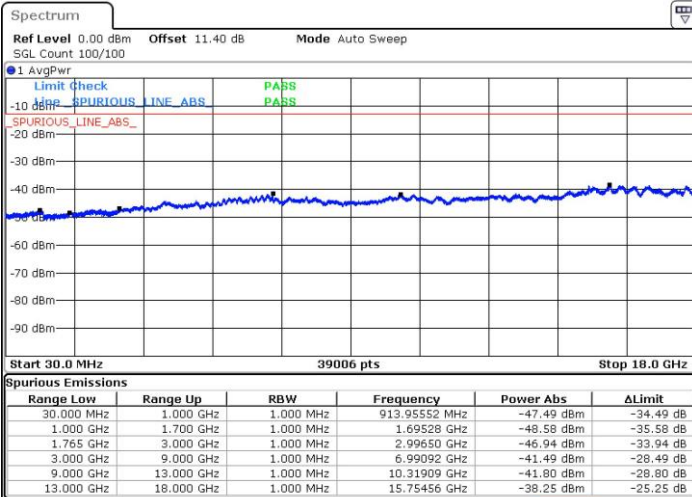


Date: 5 APR 2017 11:33:44

Date: 5 APR 2017 11:34:38

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 APR 2017 11:40:51

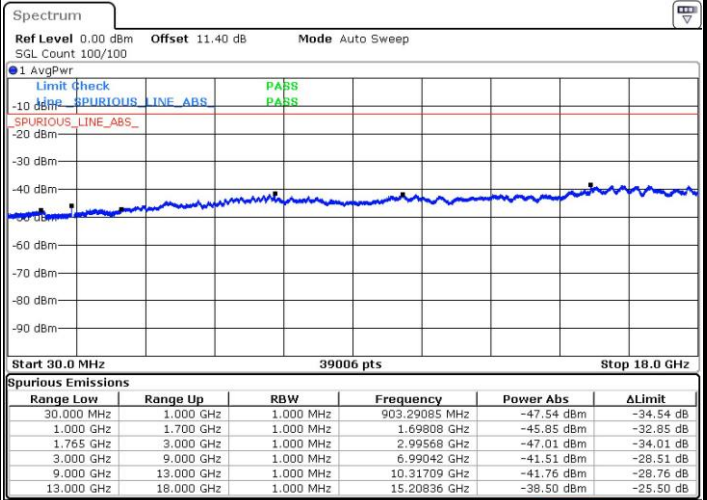
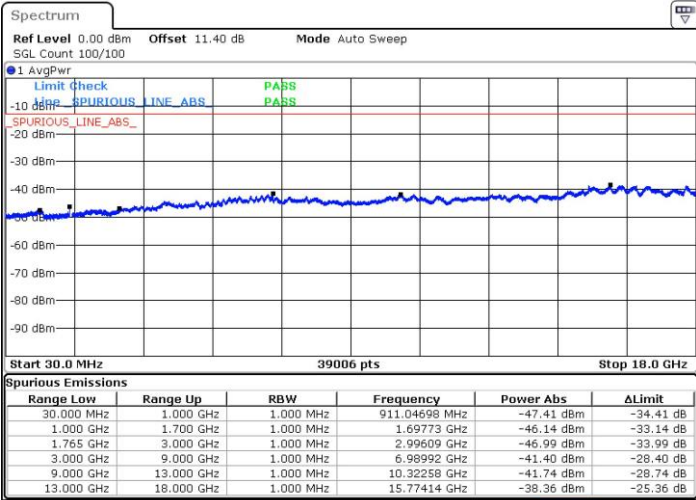
Date: 5 APR 2017 11:41:45



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

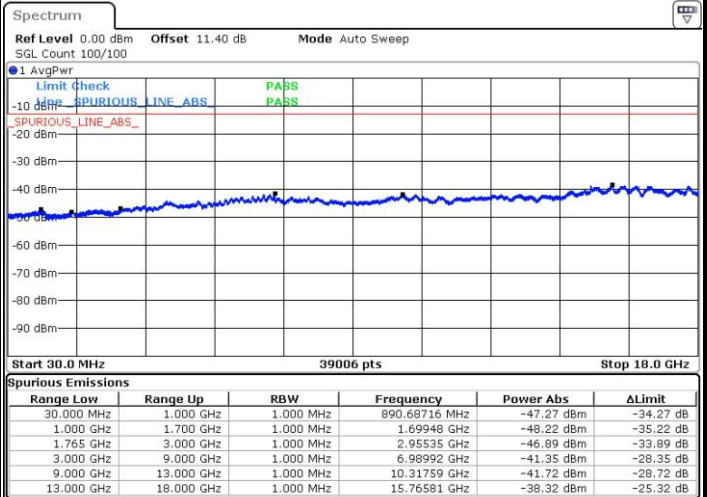
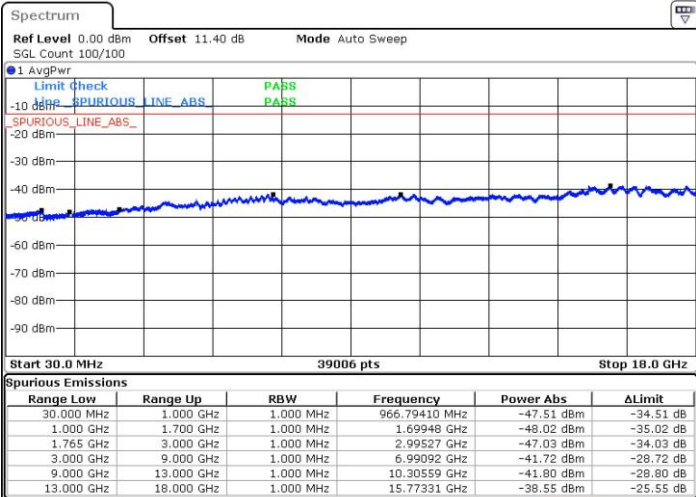


Date: 5 APR 2017 11:47:58

Date: 5 APR 2017 11:48:52

Middle Channel / QPSK

Middle Channel / 16QAM



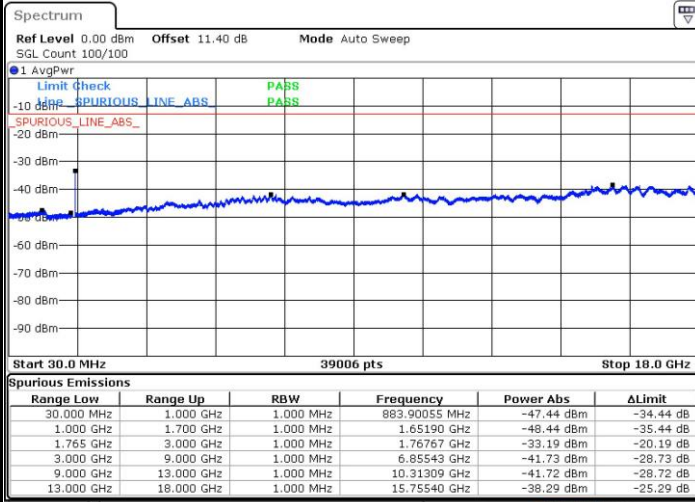
Date: 5 APR 2017 11:50:28

Date: 5 APR 2017 11:51:22



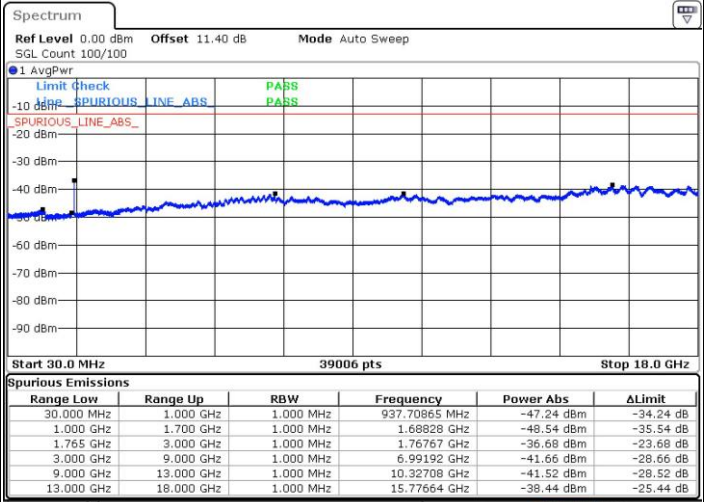
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 5 APR 2017 11:57:35

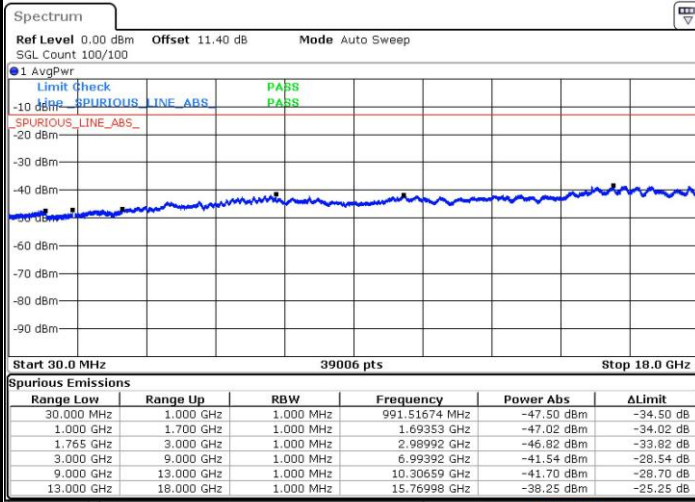
Highest Channel / 16QAM



Date: 5 APR 2017 11:58:29

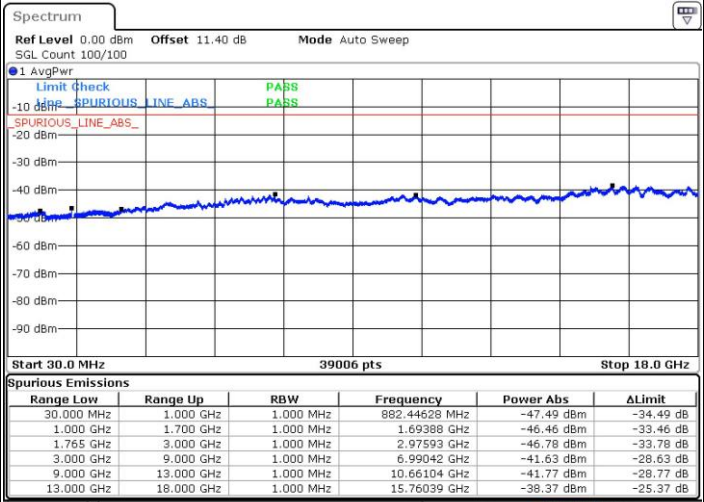
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 5 APR 2017 12:04:42

Lowest Channel / 16QAM



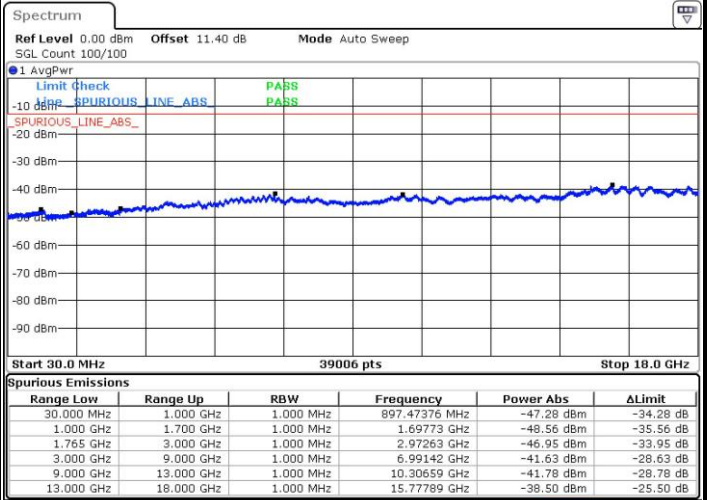
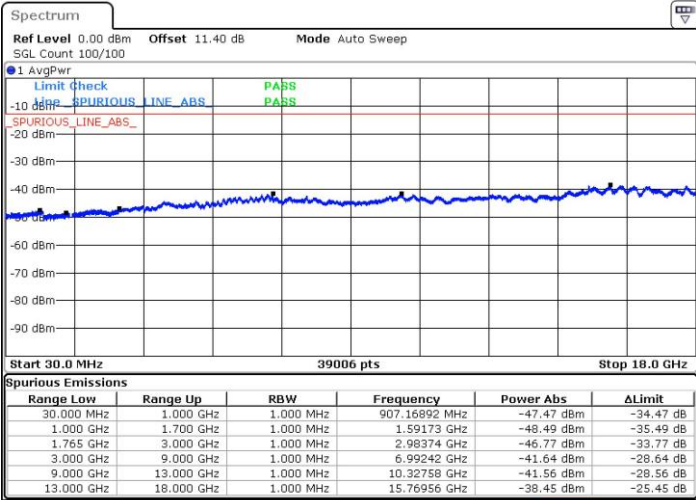
Date: 5 APR 2017 12:05:36



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

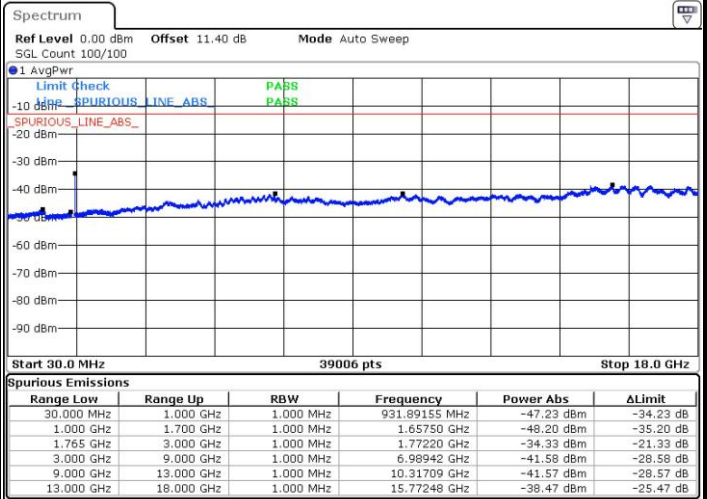
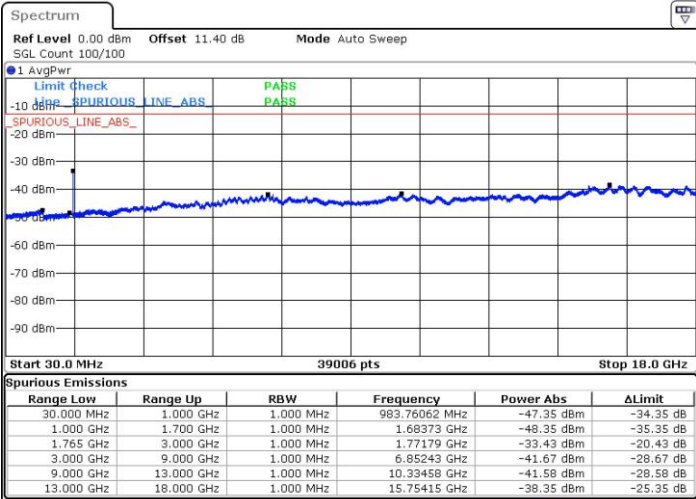


Date: 5 APR 2017 12:07:12

Date: 5 APR 2017 12:08:07

Highest Channel / QPSK

Highest Channel / 16QAM



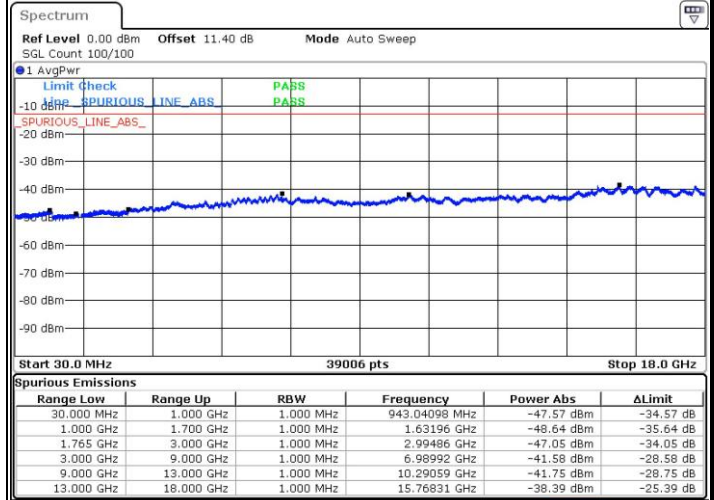
Date: 5 APR 2017 12:14:19

Date: 5 APR 2017 12:15:13



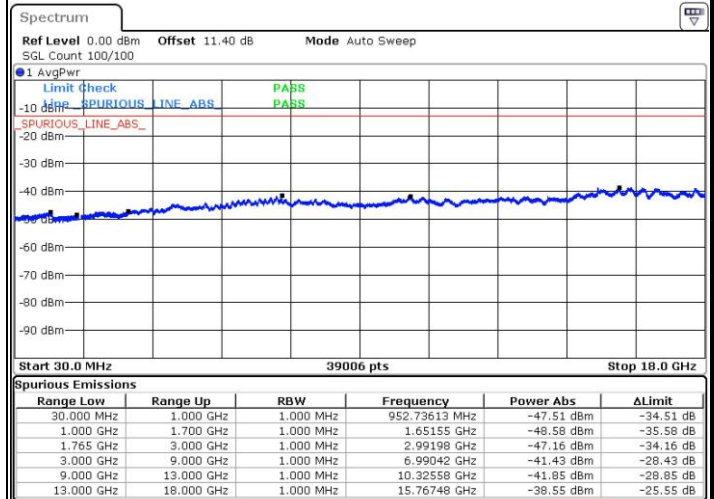
LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM



Date: 27.APR.2017 12:13:15

Middle Channel / 64QAM

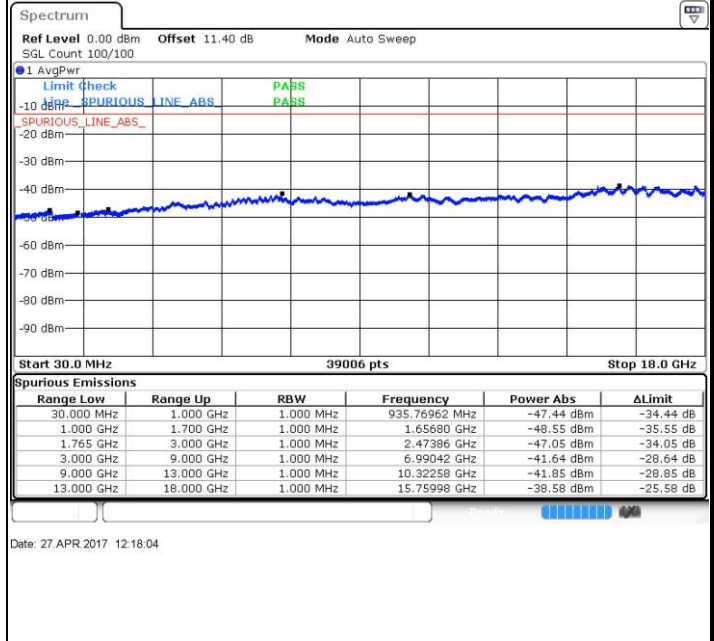


Date: 27.APR.2017 12:14:30



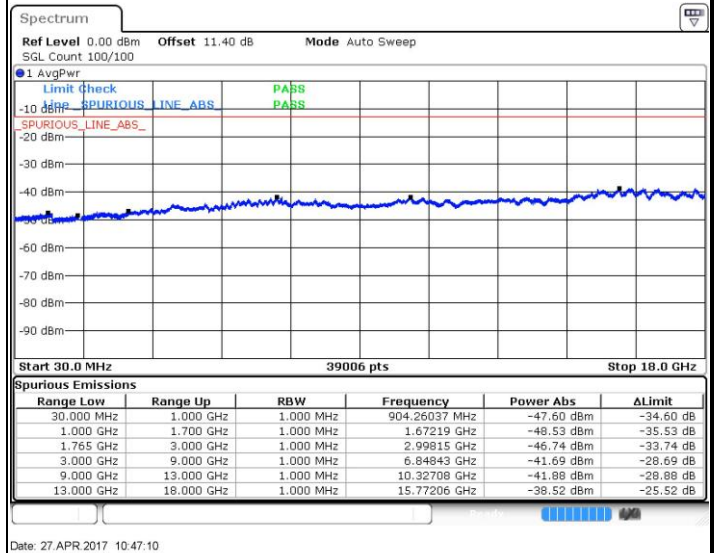
LTE Band 4 / 1.4MHz

Highest Channel / 64QAM



LTE Band 4 / 3MHz

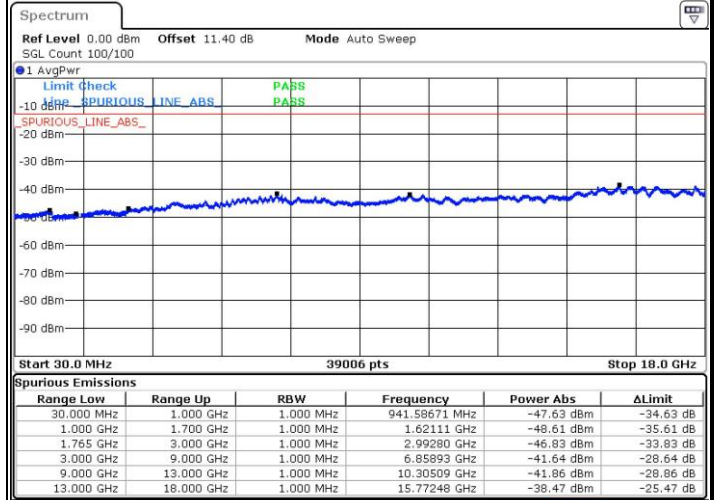
Lowest Channel / 64QAM





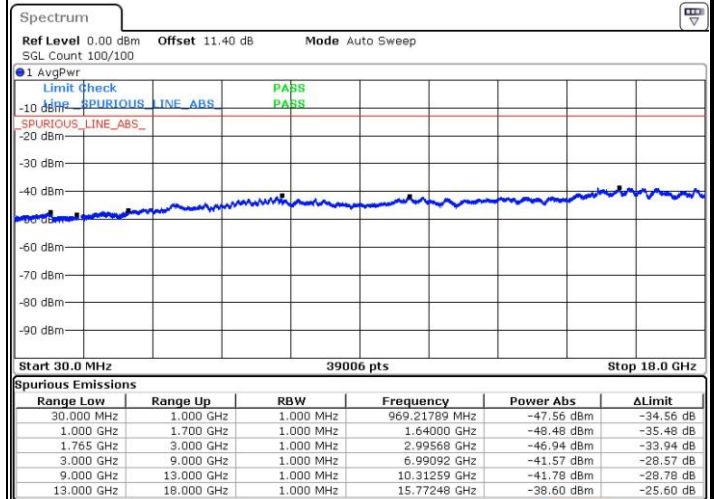
LTE Band 4 / 3MHz

Middle Channel / 64QAM



Date: 27.APR.2017 10:48:25

Highest Channel / 64QAM

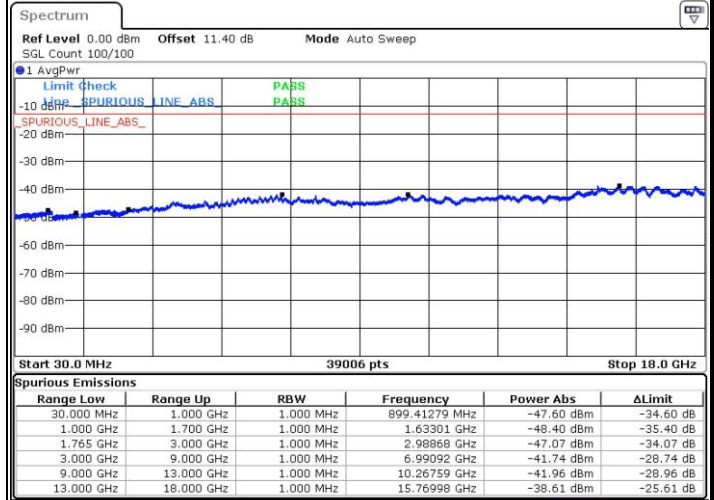


Date: 27.APR.2017 10:51:59



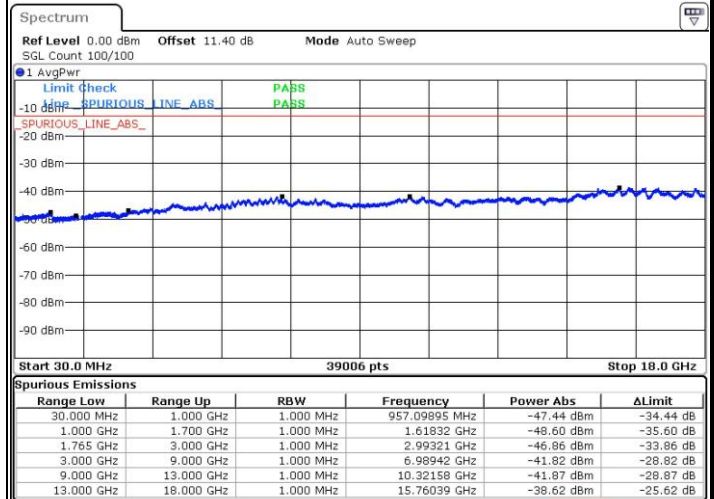
LTE Band 4 / 5MHz

Lowest Channel / 64QAM



Date: 27.APR.2017 10:55:32

Middle Channel / 64QAM

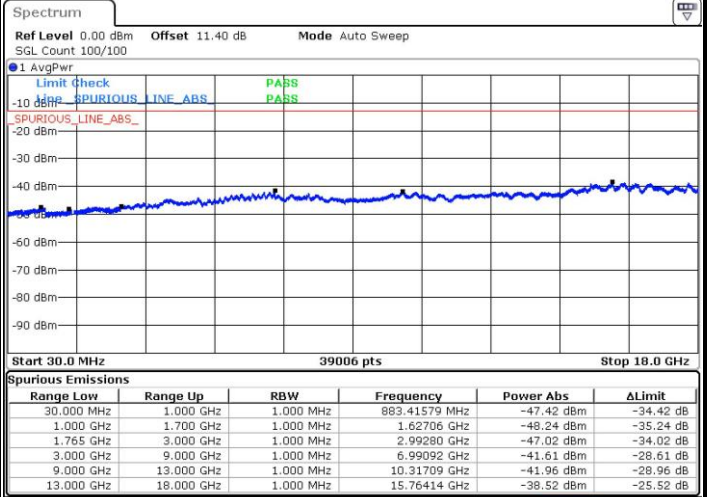


Date: 27.APR.2017 10:56:47



LTE Band 4 / 5MHz

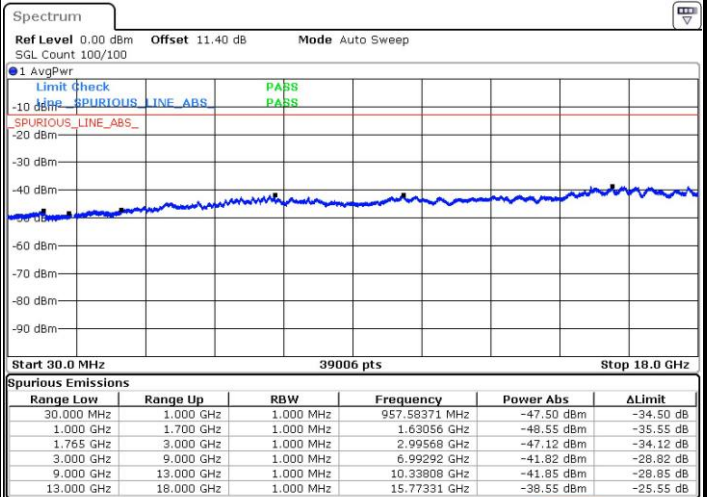
Highest Channel / 64QAM



Date: 27.APR.2017 11:00:20

LTE Band 4 / 10MHz

Lowest Channel / 64QAM

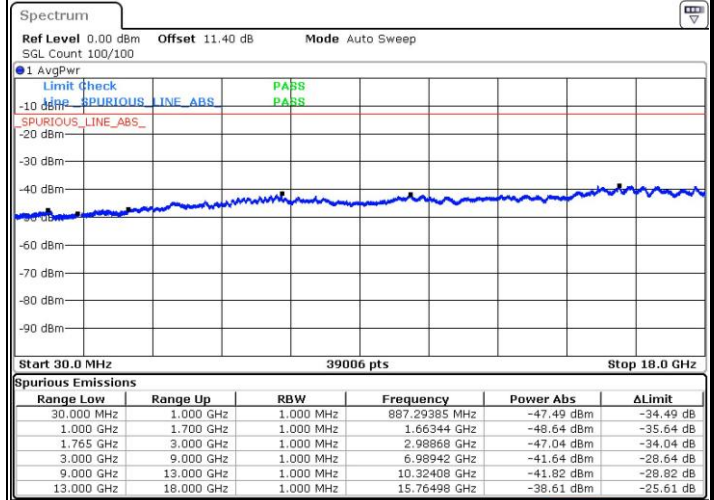


Date: 27.APR.2017 11:03:53



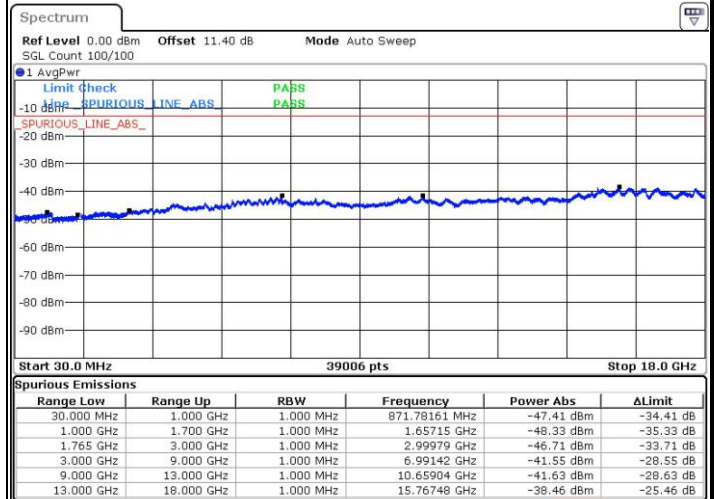
LTE Band 4 / 10MHz

Middle Channel / 64QAM



Date: 27.APR.2017 11:05:08

Highest Channel / 64QAM

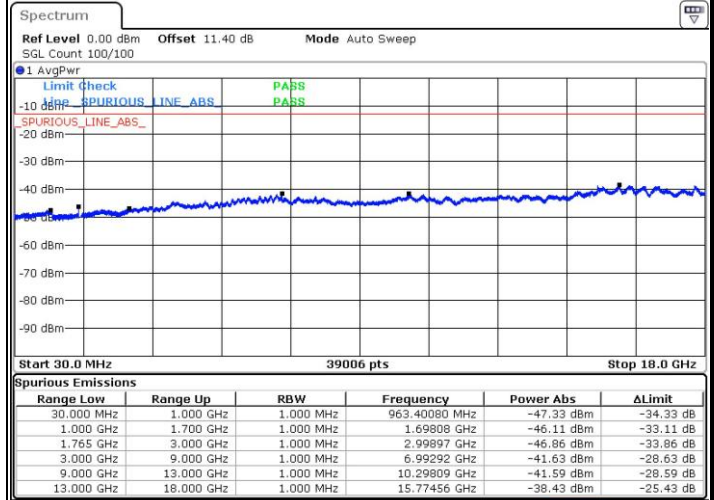


Date: 27.APR.2017 11:08:41



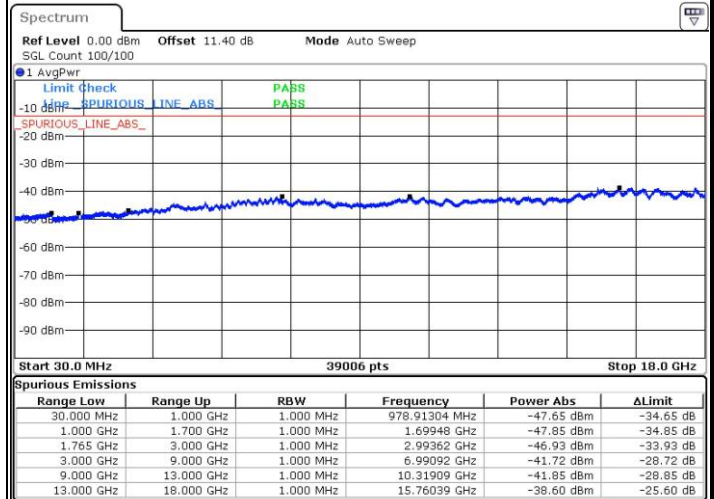
LTE Band 4 / 15MHz

Lowest Channel / 64QAM



Date: 27.APR.2017 11:12:14

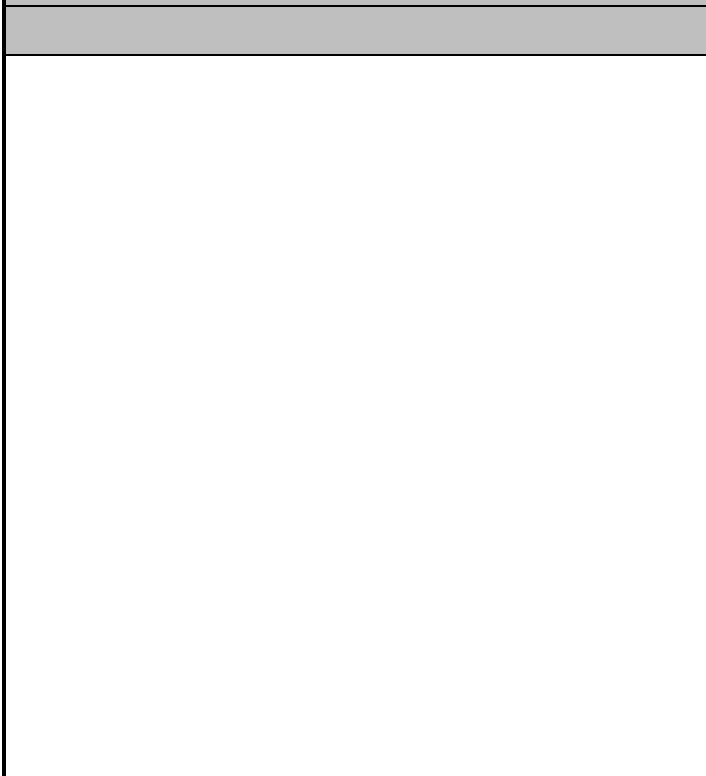
Middle Channel / 64QAM



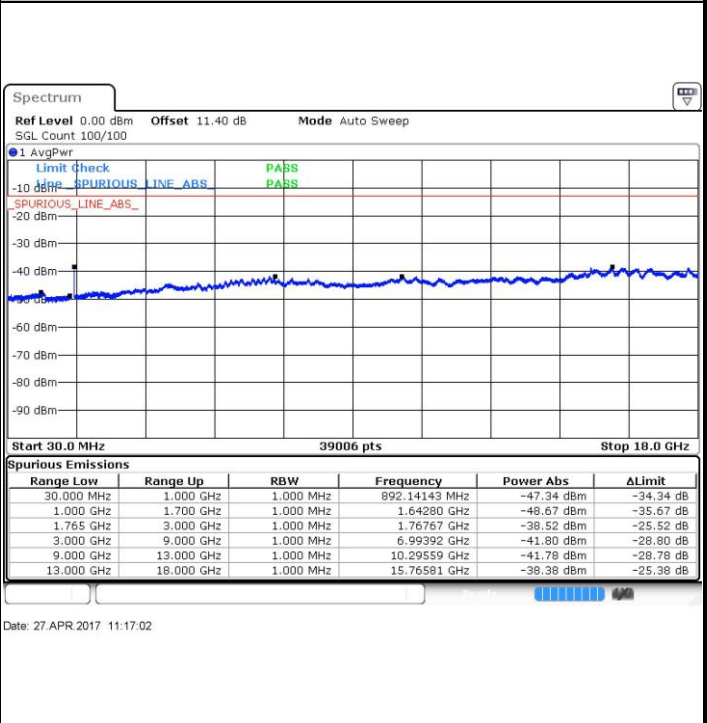
Date: 27.APR.2017 11:13:29



LTE Band 4 / 15MHz



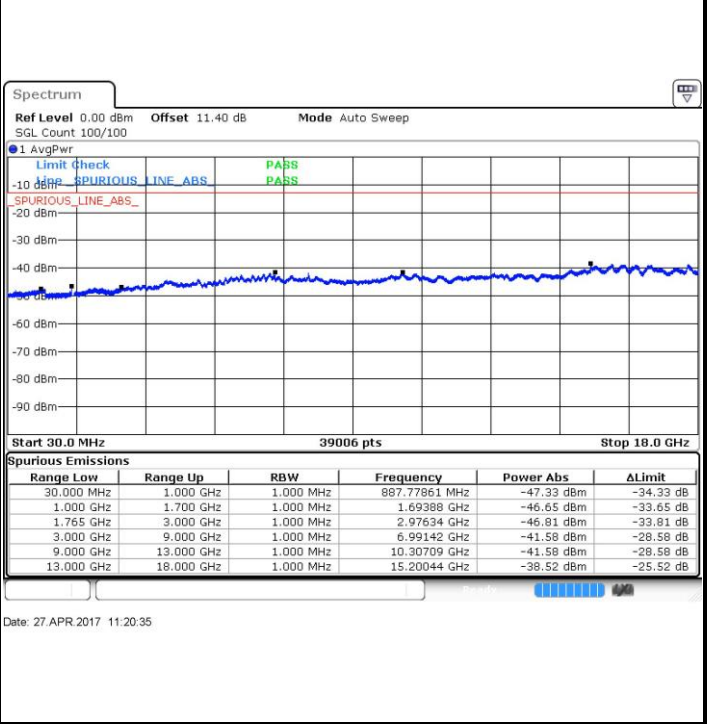
Highest Channel / 64QAM



LTE Band 4 / 20MHz



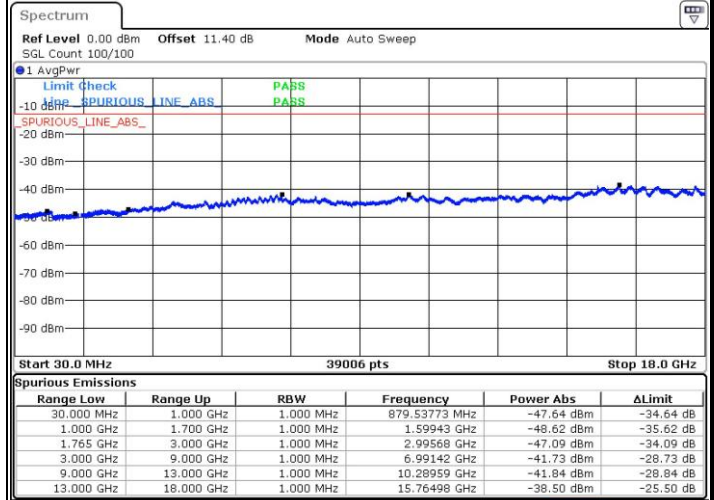
Lowest Channel / 64QAM





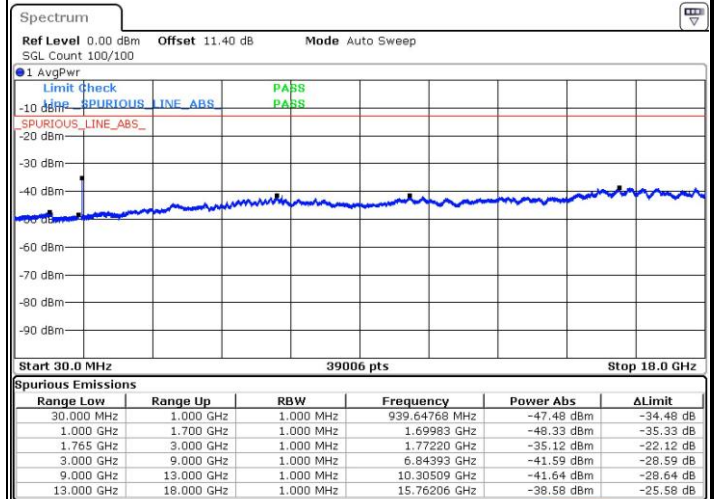
LTE Band 4 / 20MHz

Middle Channel / 64QAM



Date: 27.APR.2017 11:21:50

Highest Channel / 64QAM



Date: 27.APR.2017 11:25:23



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	0.0012	PASS
40	Normal Voltage	0.0089	
30	Normal Voltage	0.0088	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0082	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0094	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0082	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

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 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	4.29	5.07	4.75	5.88	PASS
Middle CH	4.61	5.3	5.65	6.2	
Highest CH	4.78	5.28	5.86	6.2	
Mod.	-		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	4.99	6.03	PASS
Middle CH	-	-	5.48	6.29	
Highest CH	-	-	5.83	6.23	



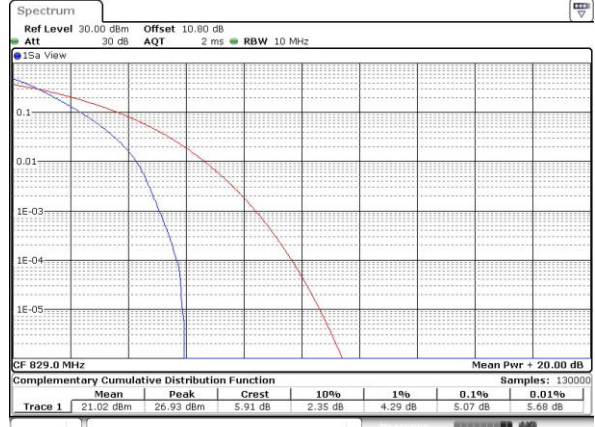
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



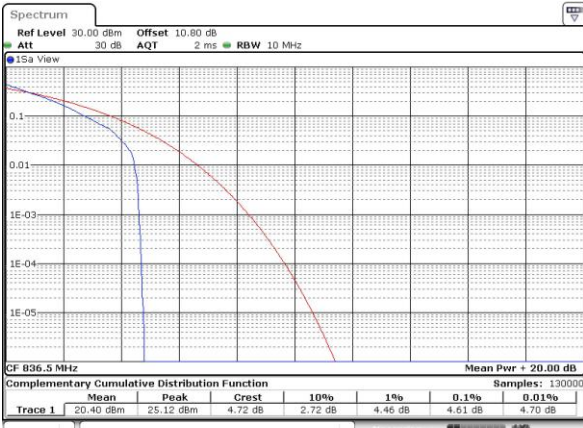
Date: 6 APR 2017 21:23:23

Lowest Channel / Full RB



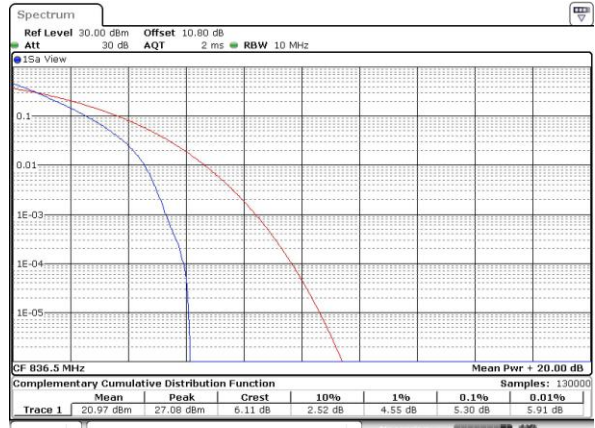
Date: 6 APR 2017 21:24:08

Middle Channel / 1RB



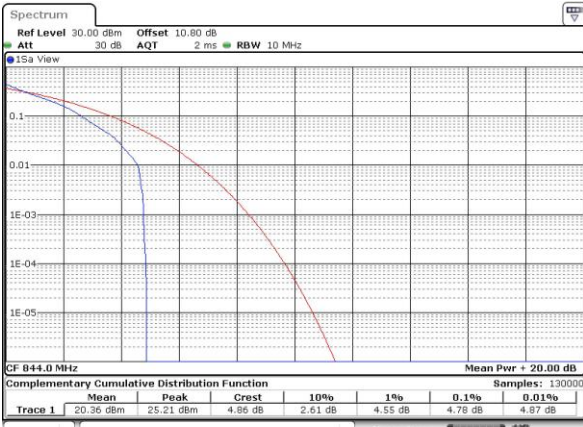
Date: 6 APR 2017 21:24:17

Middle Channel / Full RB



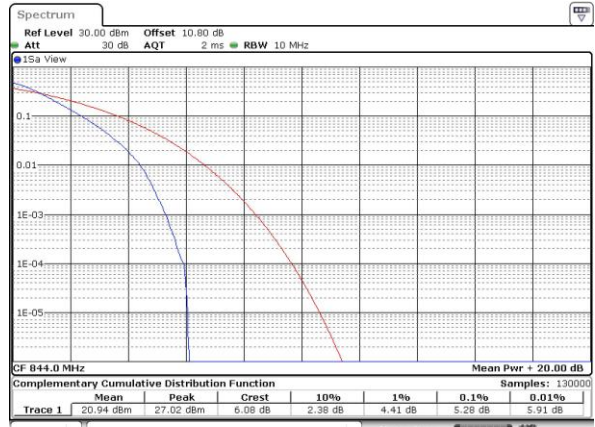
Date: 6 APR 2017 21:24:27

Highest Channel / 1RB



Date: 6 APR 2017 21:24:40

Highest Channel / Full RB



Date: 6 APR 2017 21:24:49