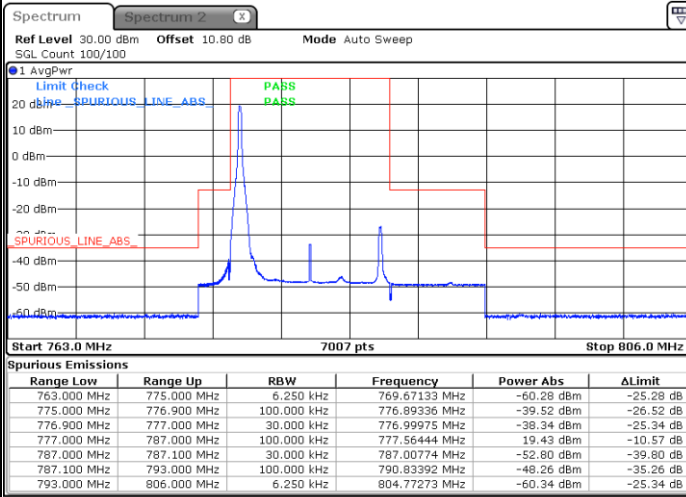




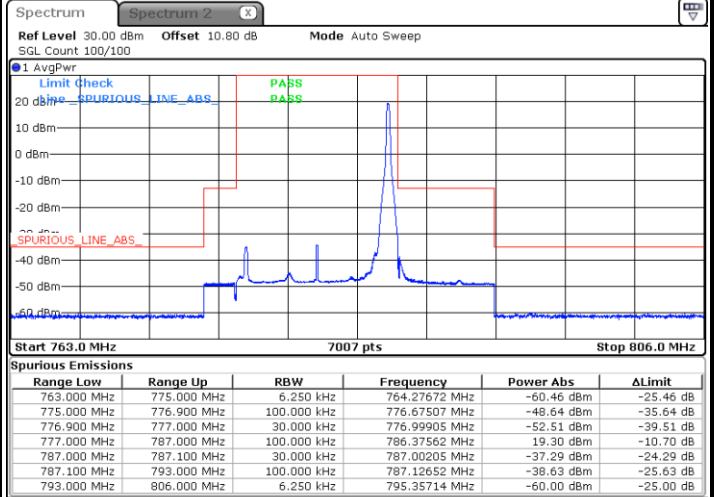
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

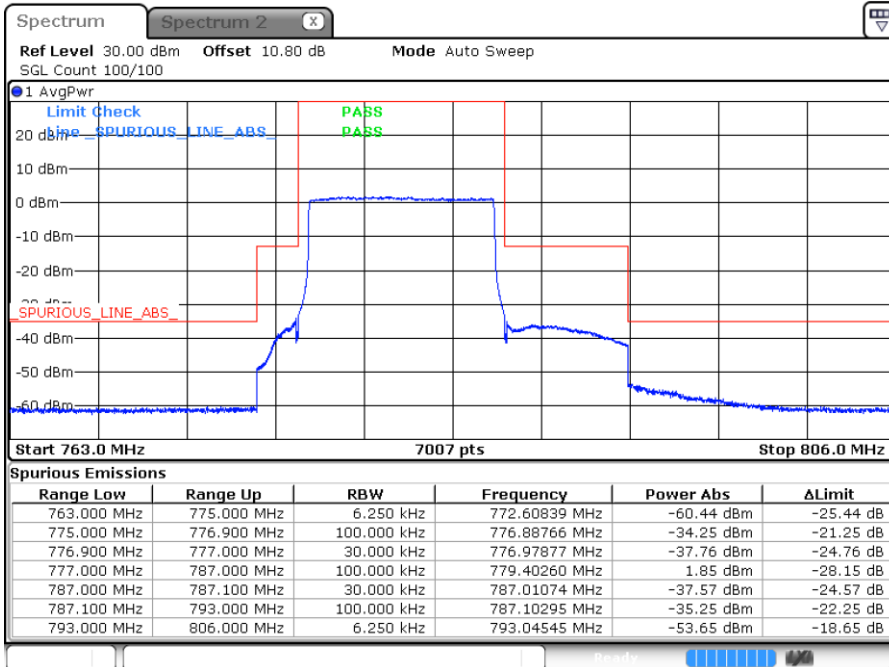


Date: 6 MAR 2018 23:45:59



Date: 6 MAR 2018 23:50:56

Band Edge / Full RB

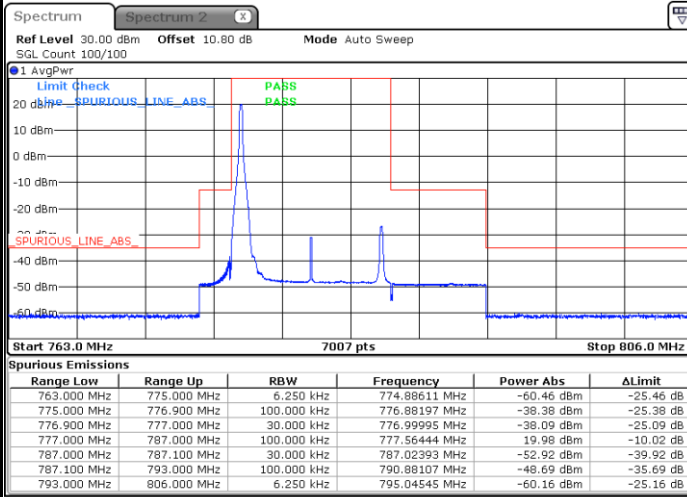


Date: 6 MAR 2018 23:44:20



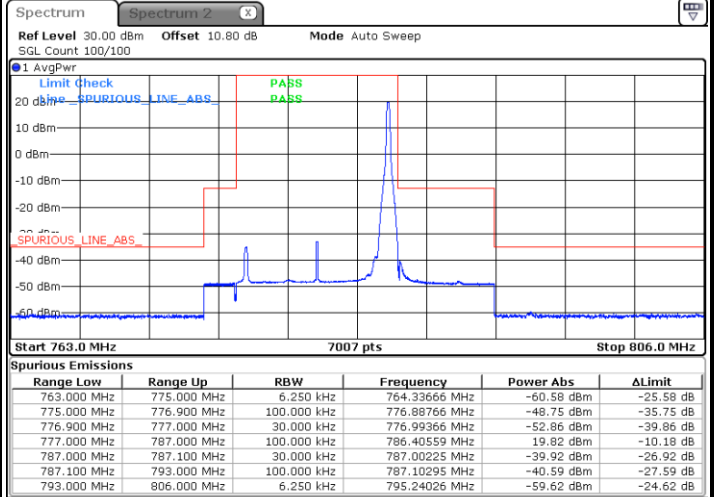
IC LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



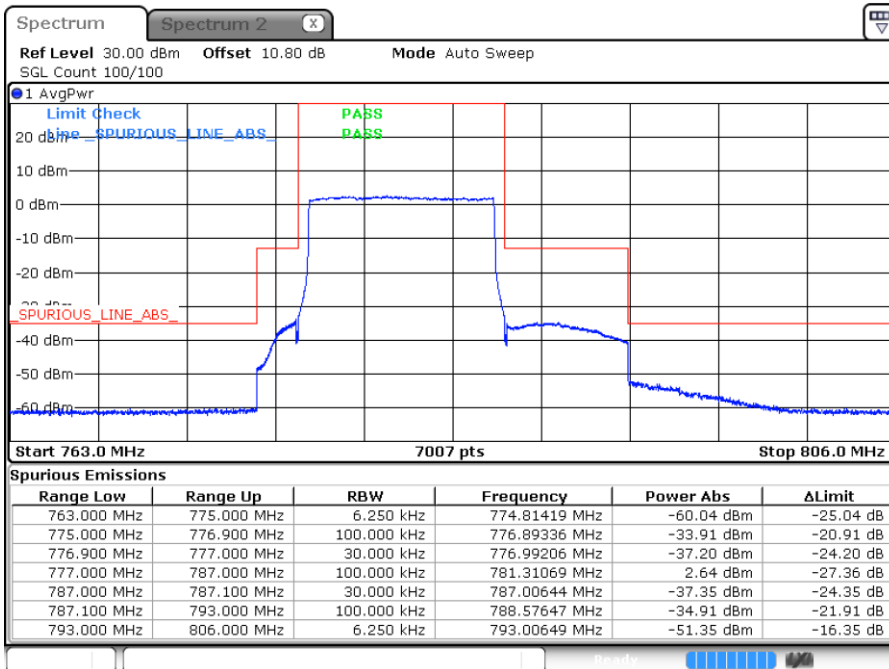
Date: 7 MAR 2018 00:06:52

Highest Band Edge / 1 RB



Date: 7 MAR 2018 00:08:31

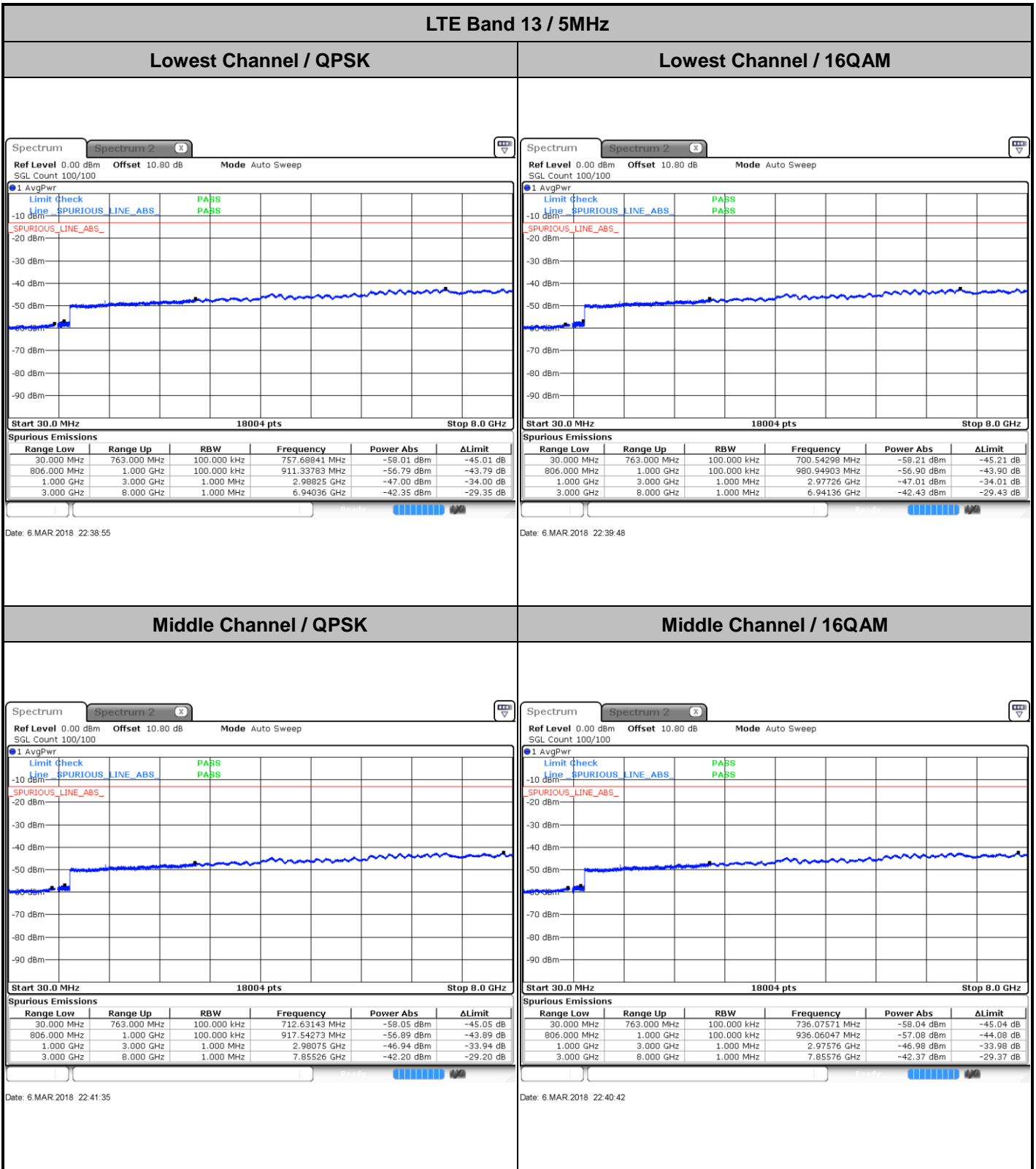
Band Edge / Full RB



Date: 7 MAR 2018 00:05:13



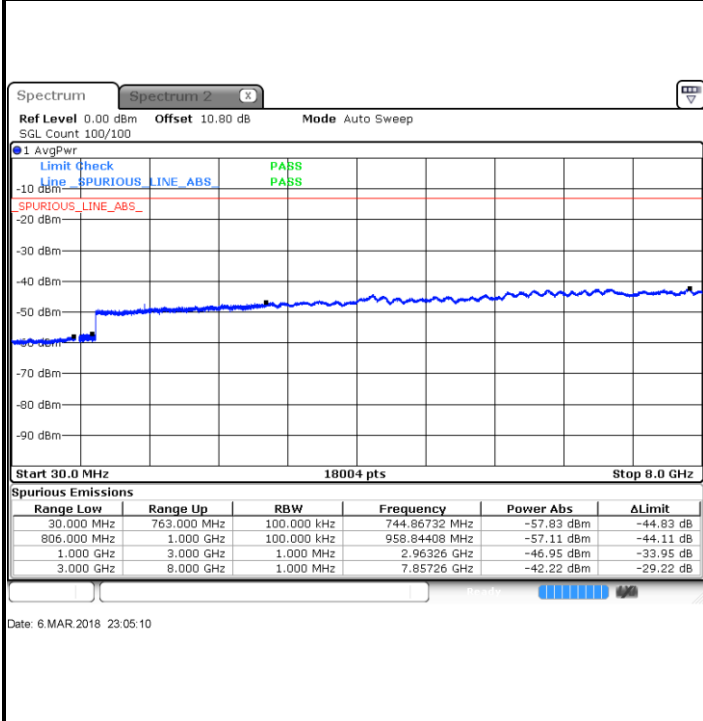
# Conducted Spurious Emission



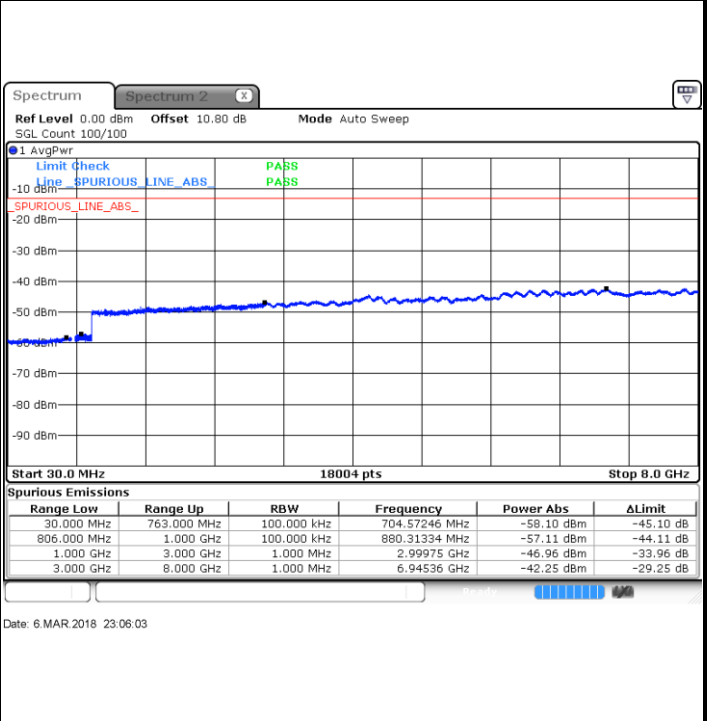


LTE Band 13 / 5MHz

Highest Channel / QPSK

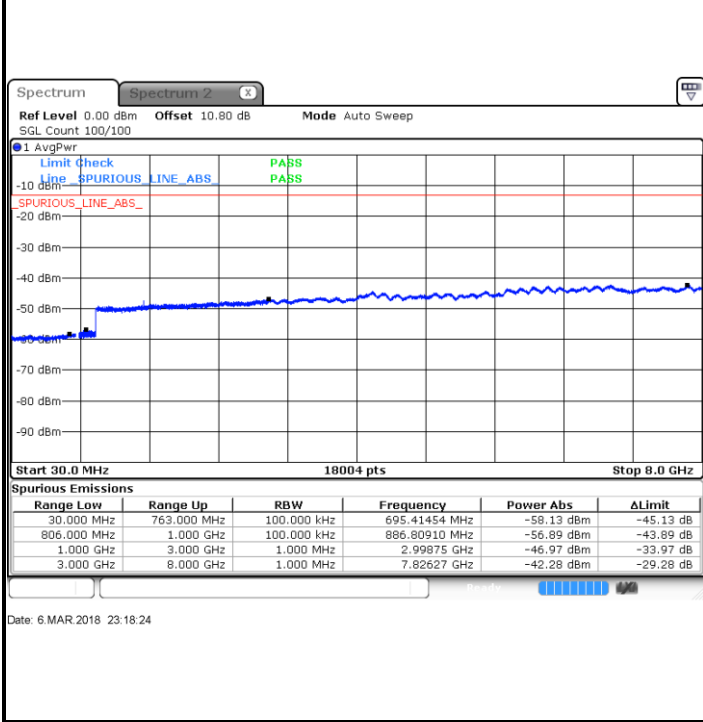


Highest Channel / 16QAM

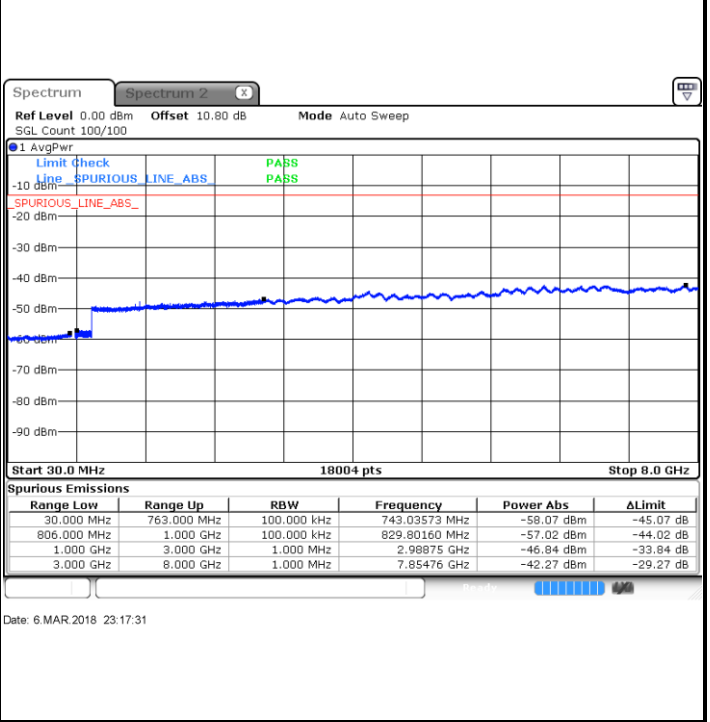


LTE Band 13 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM

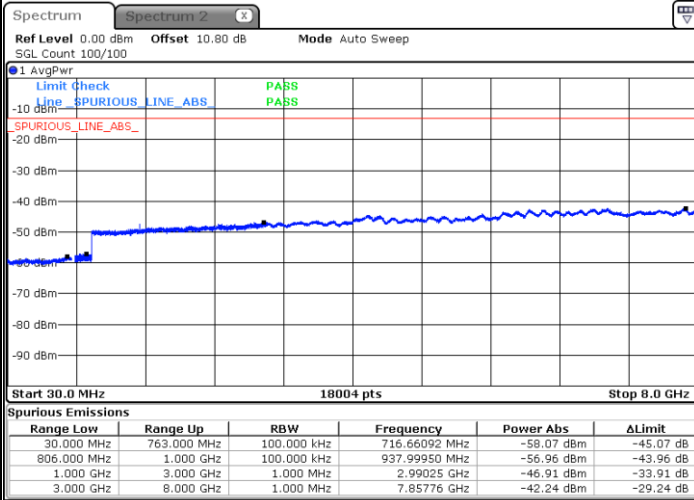




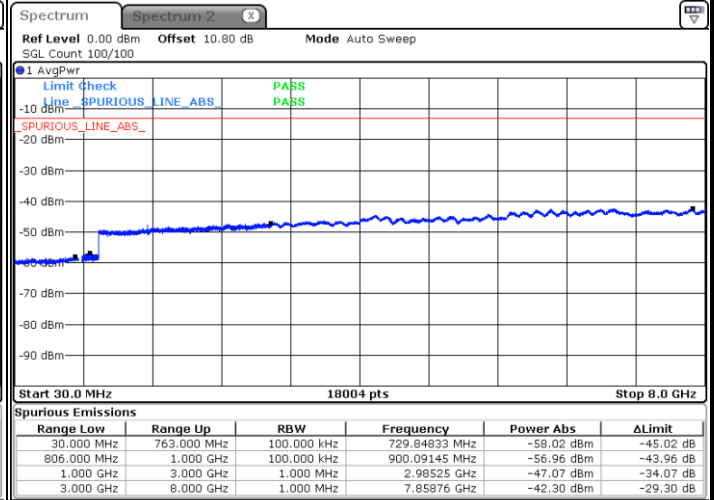
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

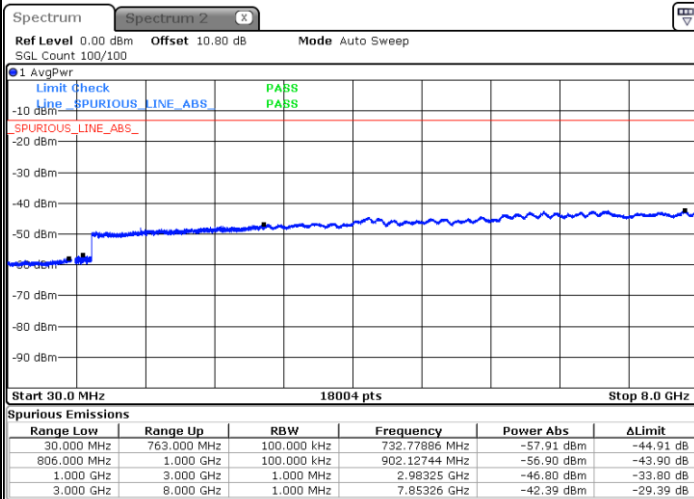


Date: 7.MAR.2018 00:18:43



Date: 7.MAR.2018 00:19:37

Highest Channel / 64QAM

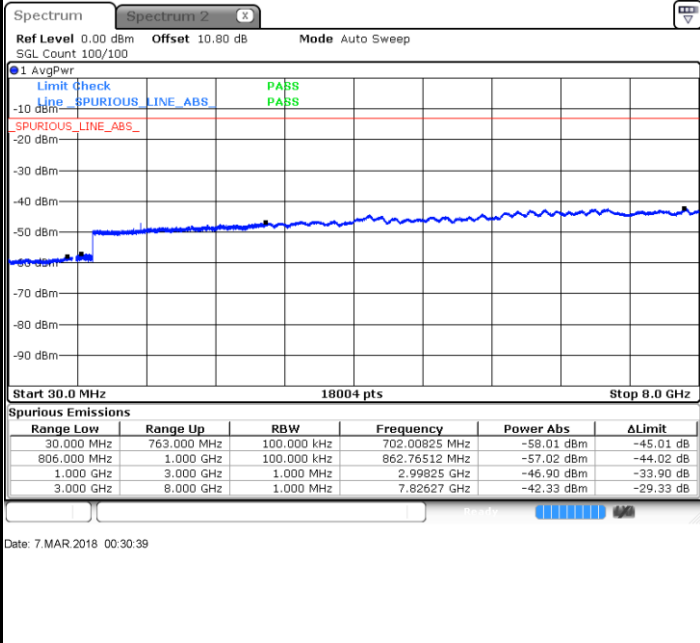


Date: 7.MAR.2018 00:24:29



LTE Band 13 / 10MHz

Middle Channel / 64QAM





Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0070	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0047	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0042	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 17

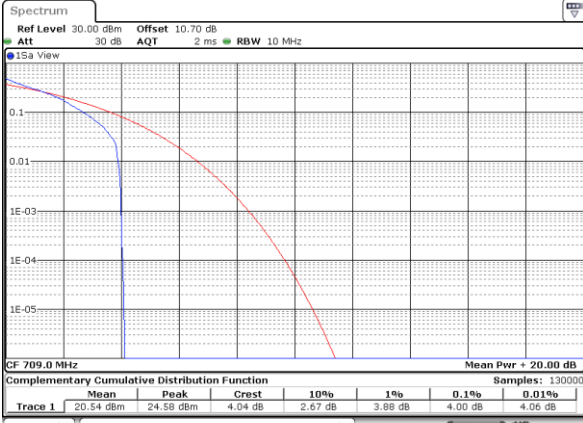
## Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4	4.9	5.28	5.74	<b>PASS</b>
Middle CH	4.23	4.93	5.13	5.77	
Highest CH	3.83	4.84	4.96	5.8	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.04	5.74	-	-	<b>PASS</b>
Middle CH	5.01	5.97	-	-	
Highest CH	4.99	6.12	-	-	



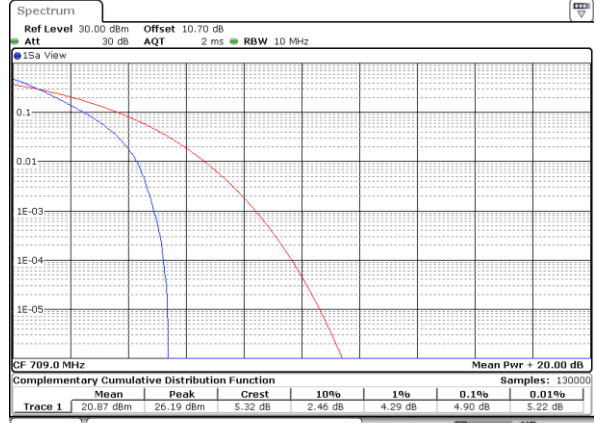
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



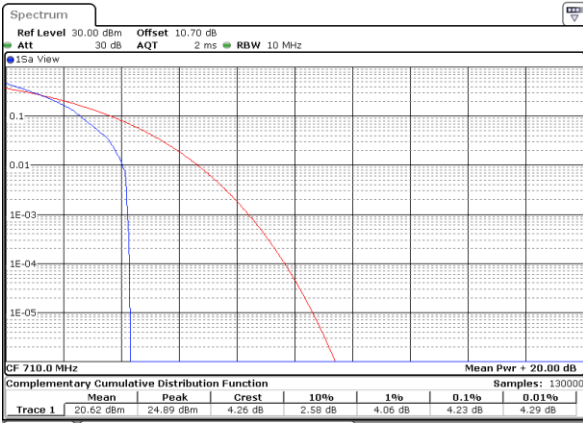
Date: 6 JAN 2018 01:26:36

Lowest Channel / Full RB



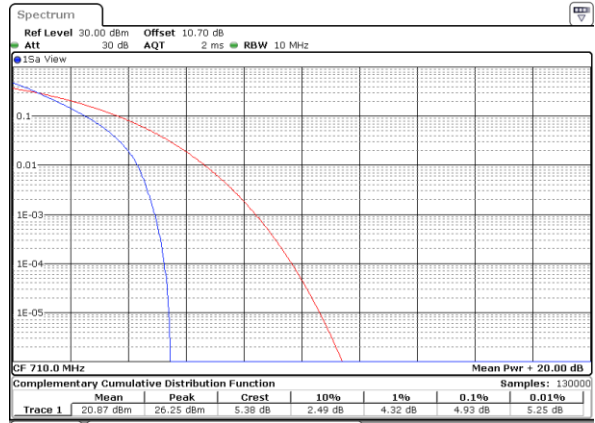
Date: 6 JAN 2018 01:31:44

Middle Channel / 1RB



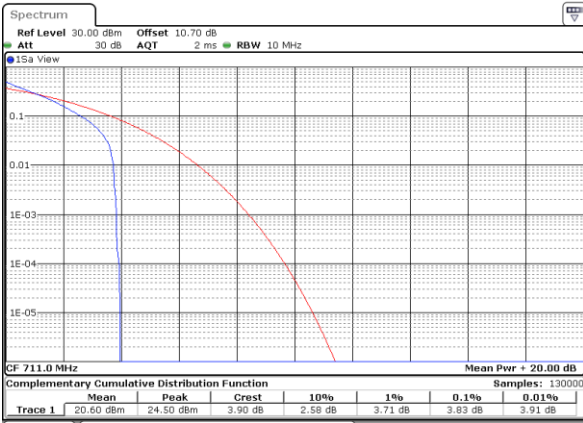
Date: 6 JAN 2018 01:31:58

Middle Channel / Full RB



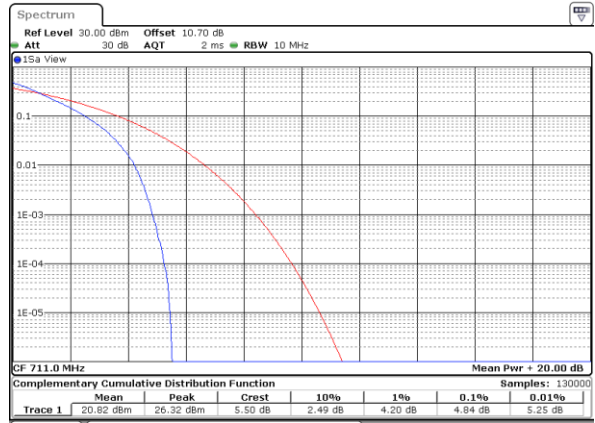
Date: 6 JAN 2018 01:32:13

Highest Channel / 1RB



Date: 6 JAN 2018 01:32:22

Highest Channel / Full RB

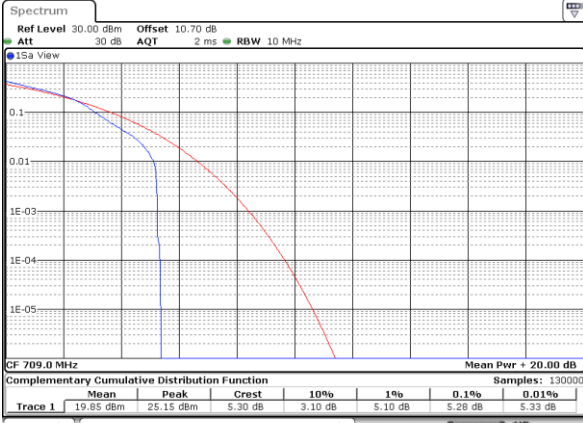


Date: 6 JAN 2018 01:36:39



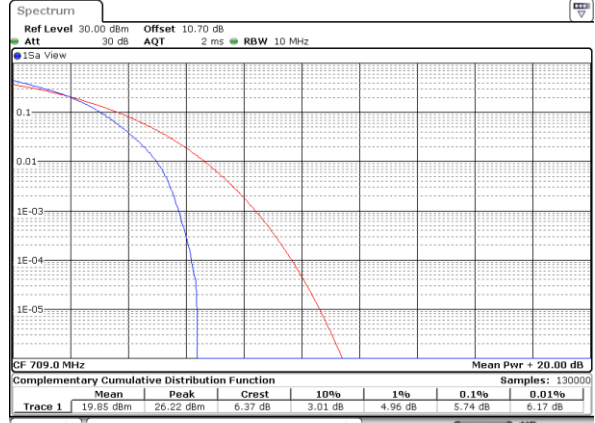
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 6 JAN 2018 01:21:31

Lowest Channel / Full RB



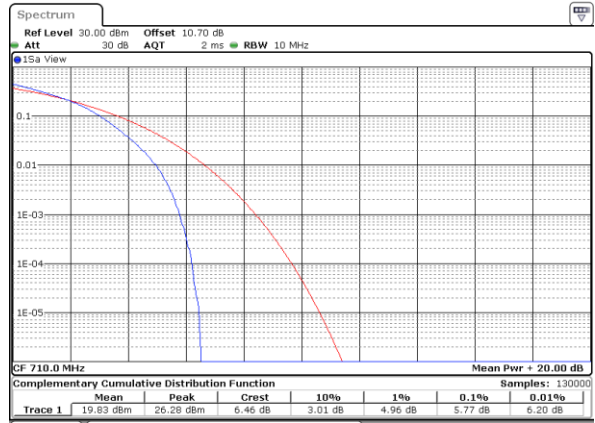
Date: 6 JAN 2018 01:21:43

Middle Channel / 1RB



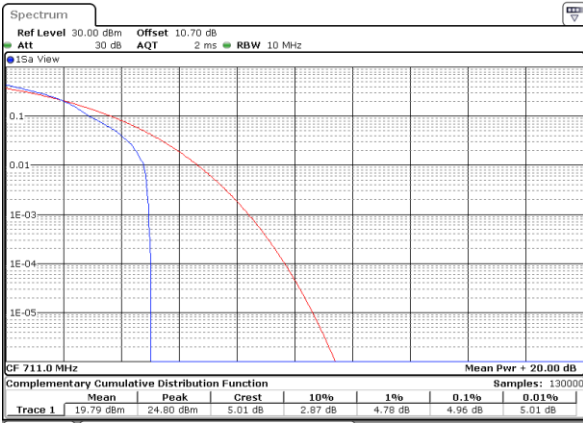
Date: 6 JAN 2018 01:21:54

Middle Channel / Full RB



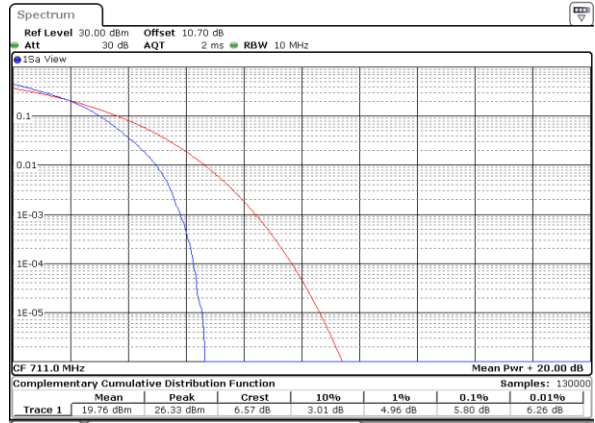
Date: 6 JAN 2018 01:22:05

Highest Channel / 1RB



Date: 6 JAN 2018 01:22:14

Highest Channel / Full RB



Date: 6 JAN 2018 01:25:06



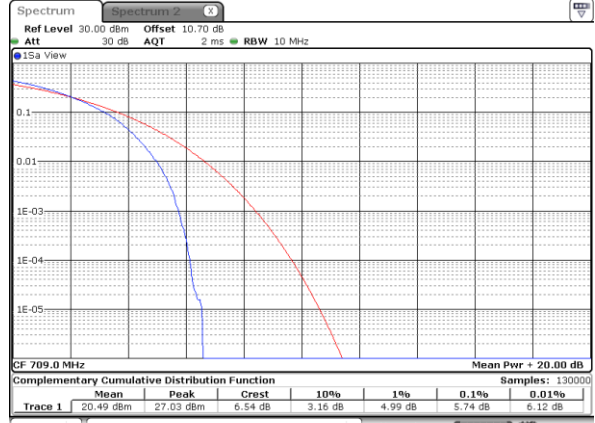
LTE Band 17 / 10MHz / 64QAM

Lowest Channel / 1RB



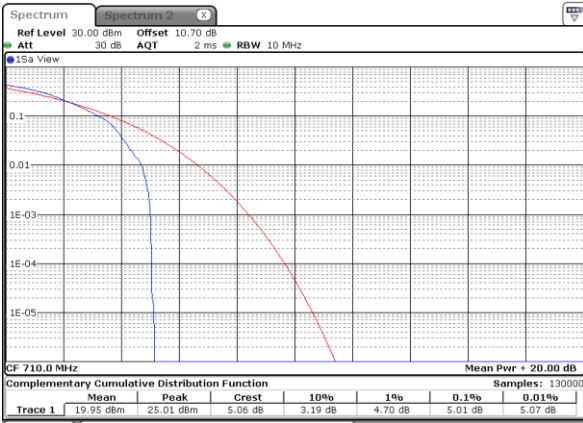
Date: 1 FEB 2018 20:13:30

Lowest Channel / Full RB



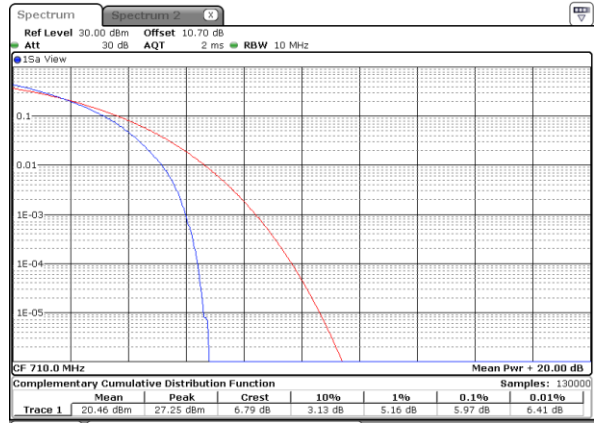
Date: 1 FEB 2018 01:40:13

Middle Channel / 1RB



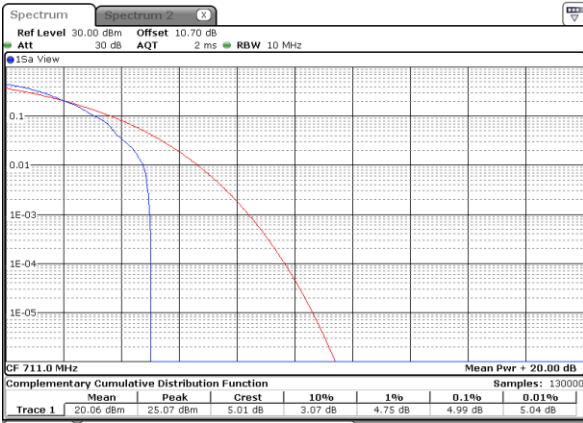
Date: 1 FEB 2018 01:44:28

Middle Channel / Full RB



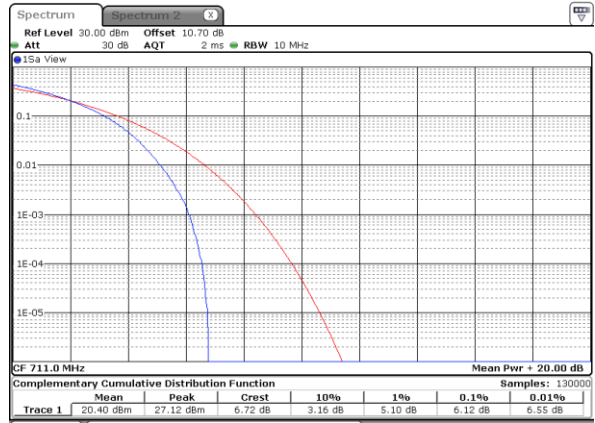
Date: 1 FEB 2018 01:44:37

Highest Channel / 1RB



Date: 1 FEB 2018 01:44:46

Highest Channel / Full RB



Date: 1 FEB 2018 01:44:58



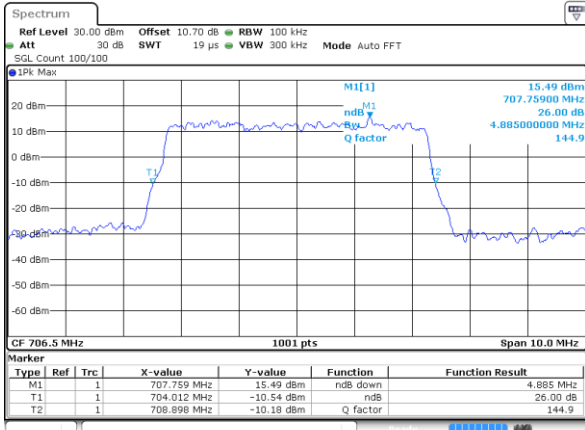
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.89	5.01	9.77	10.01	-	-	-	-
Middle CH	-	-	-	-	4.98	4.88	9.89	9.75	-	-	-	-
Highest CH	-	-	-	-	4.96	4.95	9.87	9.61	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.94	-	9.71	-	-	-	-	-
Middle CH	-	-	-	-	4.89	-	9.79	-	-	-	-	-
Highest CH	-	-	-	-	4.91	-	9.91	-	-	-	-	-



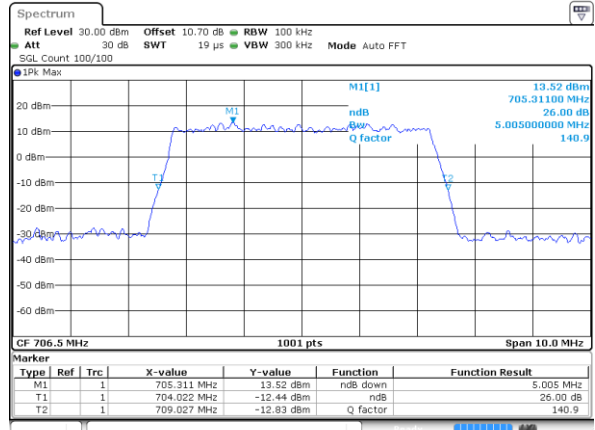
LTE Band 17

Lowest Channel / 5MHz / QPSK



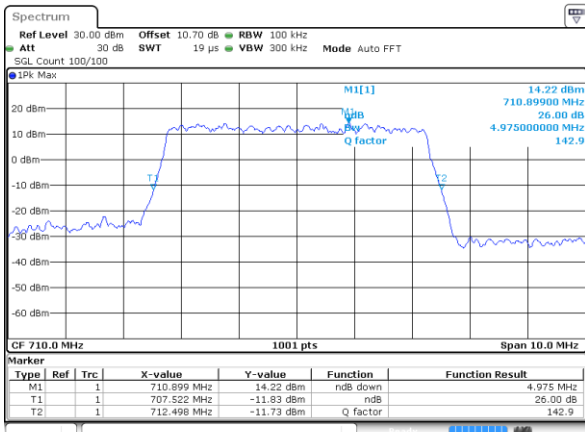
Date: 6 JAN 2018 00:19:41

Lowest Channel / 5MHz / 16QAM



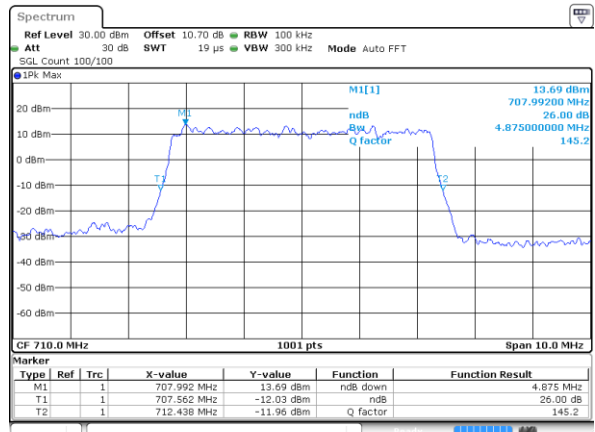
Date: 6 JAN 2018 00:19:51

Middle Channel / 5MHz / QPSK



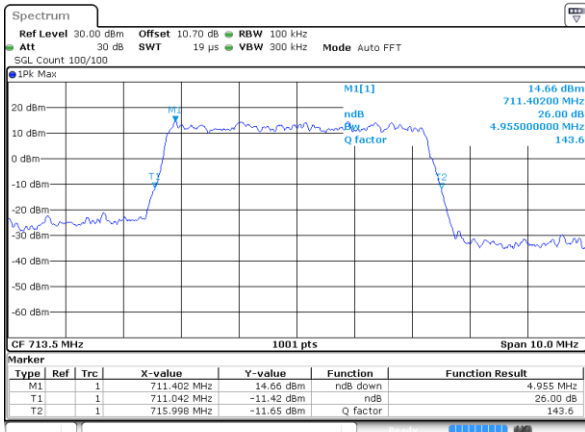
Date: 6 JAN 2018 00:26:43

Middle Channel / 5MHz / 16QAM



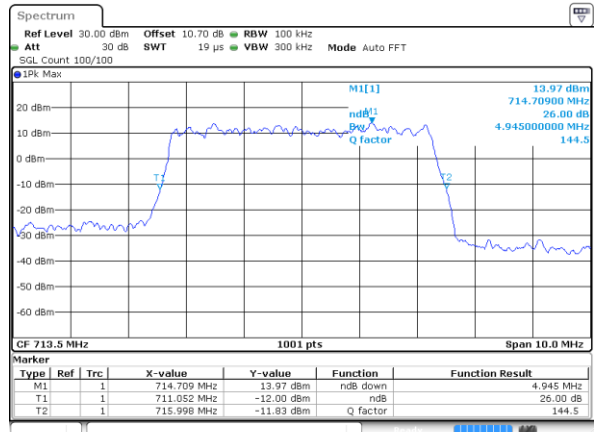
Date: 6 JAN 2018 00:26:53

Highest Channel / 5MHz / QPSK



Date: 6 JAN 2018 00:29:11

Highest Channel / 5MHz / 16QAM

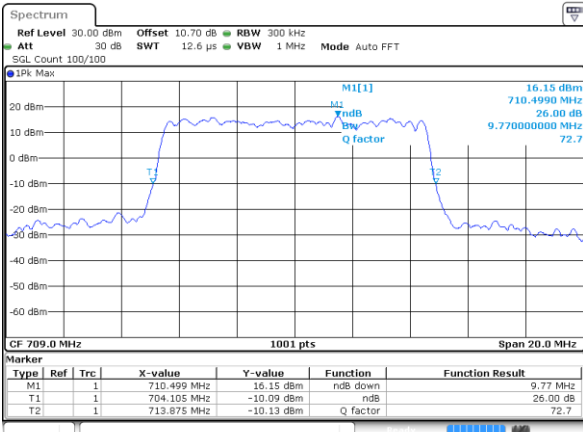


Date: 6 JAN 2018 00:29:20



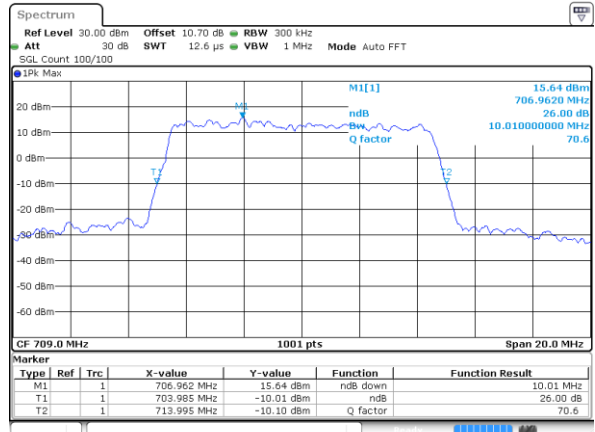
LTE Band 17

Lowest Channel / 10MHz / QPSK



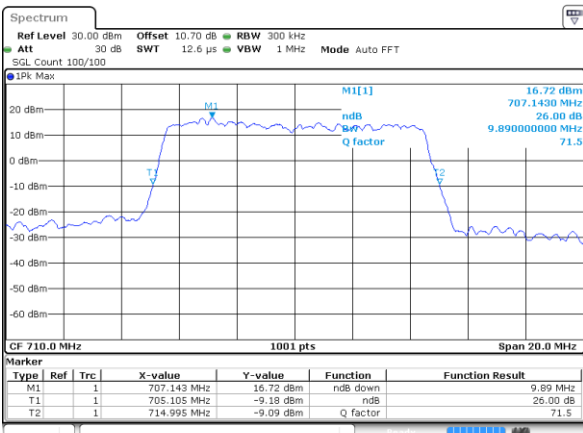
Date: 6 JAN 2018 00:36:13

Lowest Channel / 10MHz / 16QAM



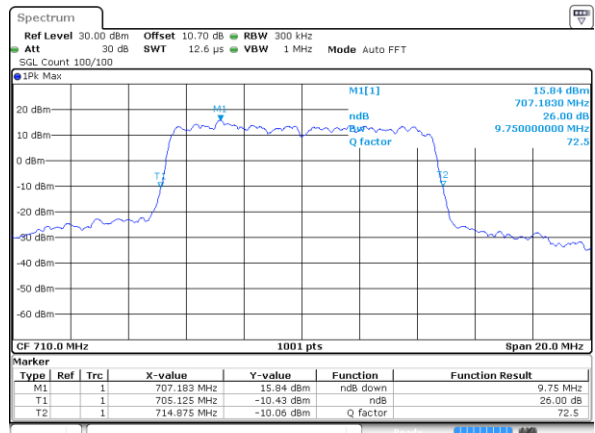
Date: 6 JAN 2018 00:36:23

Middle Channel / 10MHz / QPSK



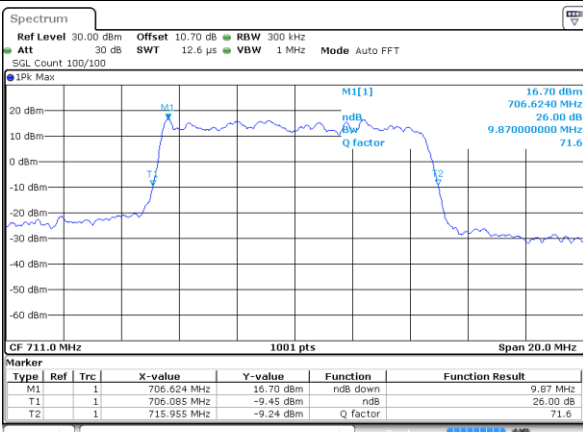
Date: 6 JAN 2018 00:43:15

Middle Channel / 10MHz / 16QAM



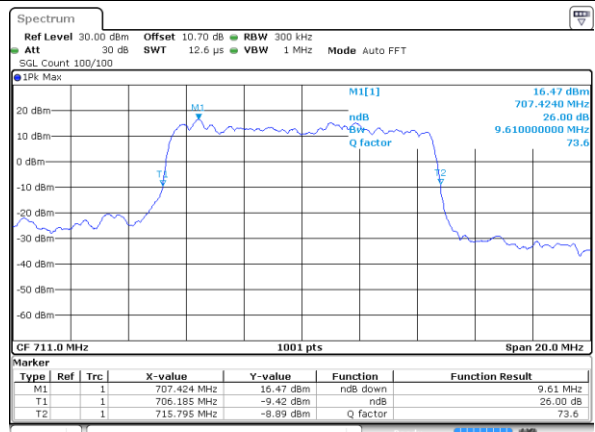
Date: 6 JAN 2018 00:43:25

Highest Channel / 10MHz / QPSK



Date: 6 JAN 2018 00:45:43

Highest Channel / 10MHz / 16QAM

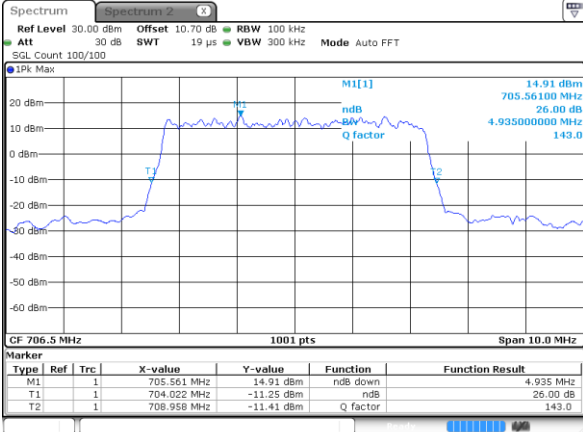


Date: 6 JAN 2018 00:45:53



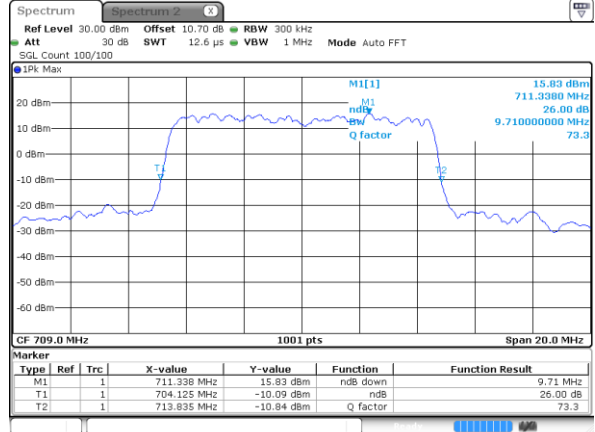
LTE Band 17

Lowest Channel / 5MHz / 64QAM



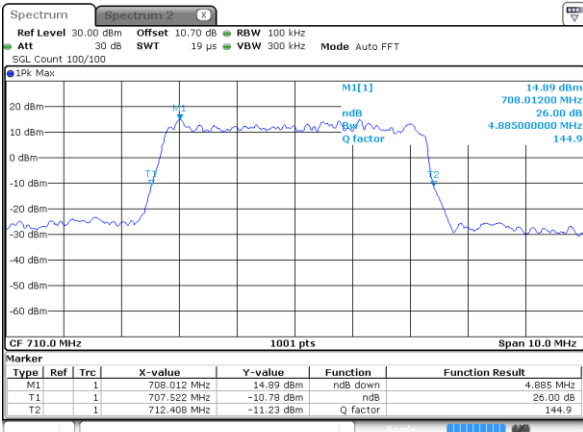
Date: 1 FEB 2018 01:21:24

Lowest Channel / 10MHz / 64QAM



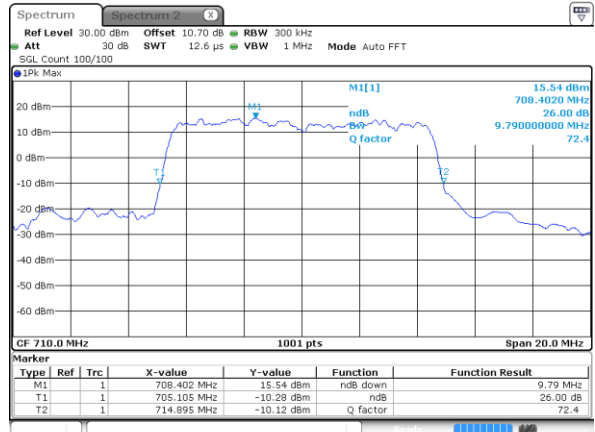
Date: 1 FEB 2018 01:29:41

Middle Channel / 5MHz / 64QAM



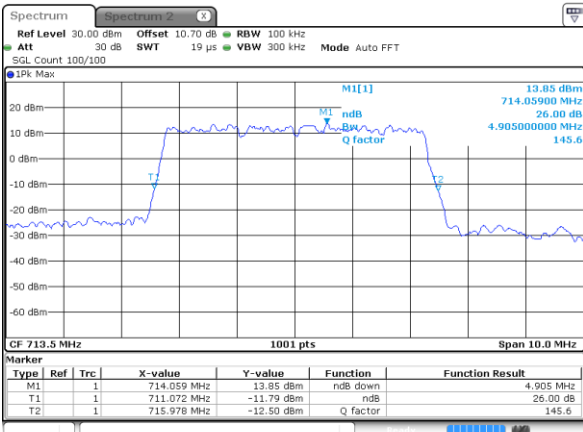
Date: 1 FEB 2018 01:24:56

Middle Channel / 10MHz / 64QAM



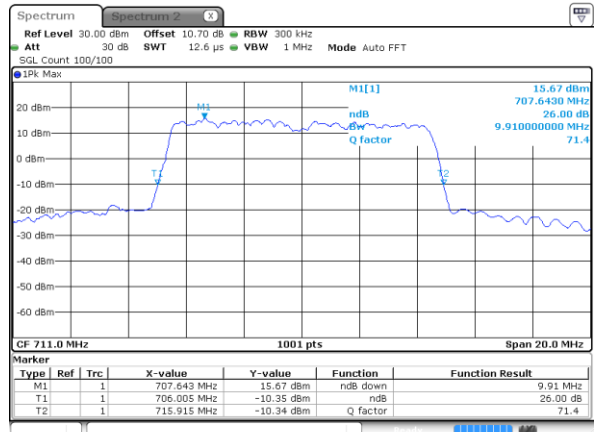
Date: 1 FEB 2018 01:33:12

Highest Channel / 5MHz / 64QAM



Date: 1 FEB 2018 01:26:10

Highest Channel / 10MHz / 64QAM



Date: 1 FEB 2018 01:34:26



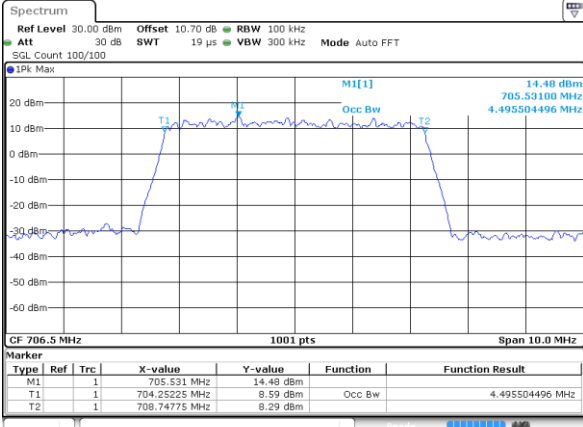
**Occupied Bandwidth**

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.5	4.47	9.05	9.07	-	-	-	-
Middle CH	-	-	-	-	4.5	4.49	8.97	9.01	-	-	-	-
Highest CH	-	-	-	-	4.47	4.49	9.05	8.95	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.47	-	9.03	-	-	-	-	-
Middle CH	-	-	-	-	4.49	-	9.05	-	-	-	-	-
Highest CH	-	-	-	-	4.51	-	9.05	-	-	-	-	-



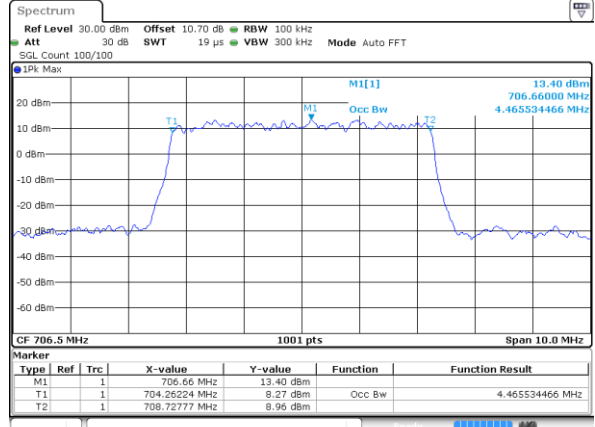
LTE Band 17

Lowest Channel / 5MHz / QPSK



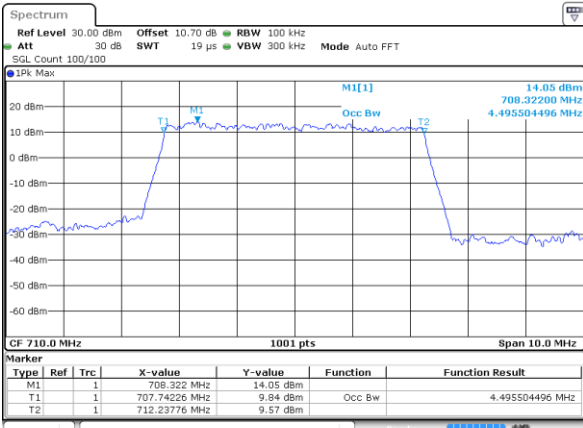
Date: 6 JAN 2018 00:19:21

Lowest Channel / 5MHz / 16QAM



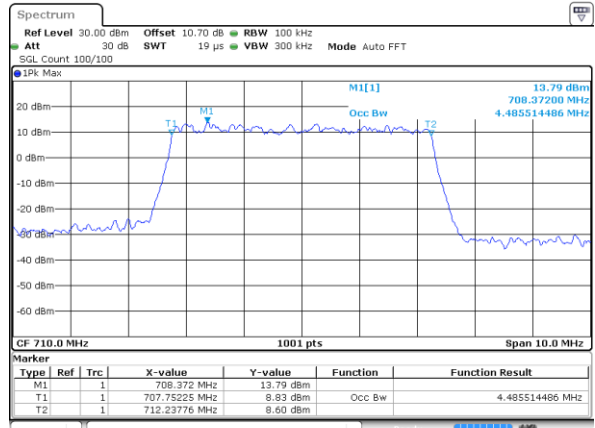
Date: 6 JAN 2018 00:19:31

Middle Channel / 5MHz / QPSK



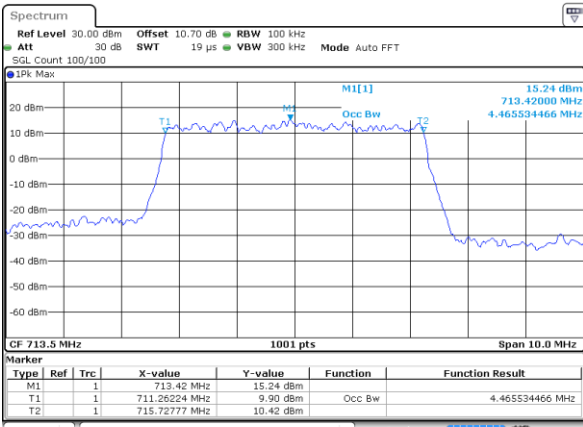
Date: 6 JAN 2018 00:26:23

Middle Channel / 5MHz / 16QAM



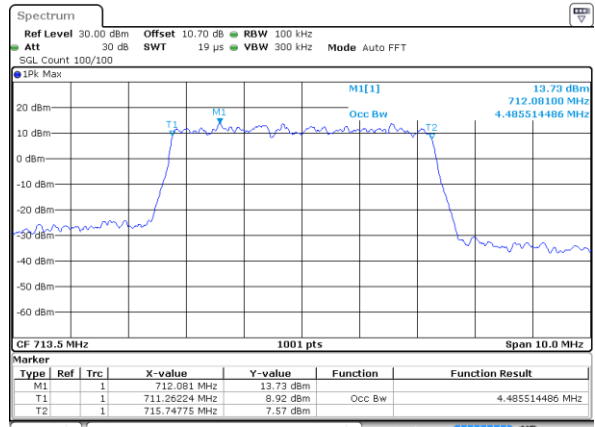
Date: 6 JAN 2018 00:26:33

Highest Channel / 5MHz / QPSK



Date: 6 JAN 2018 00:28:50

Highest Channel / 5MHz / 16QAM

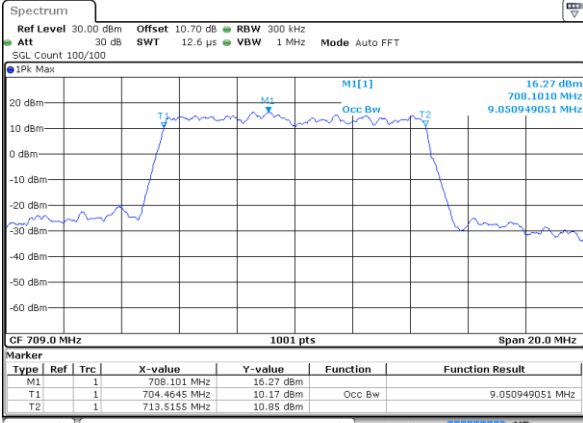


Date: 6 JAN 2018 00:29:01



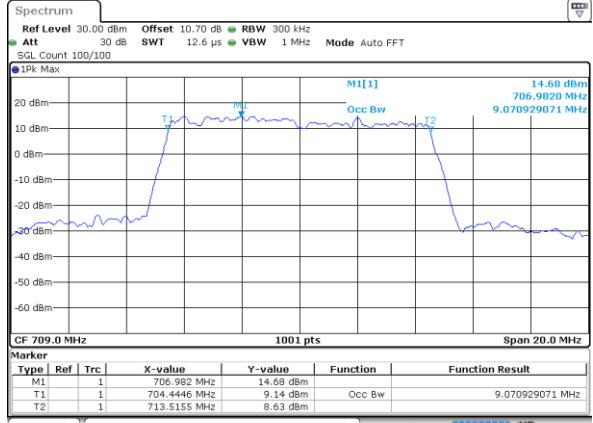
LTE Band 17

Lowest Channel / 10MHz / QPSK



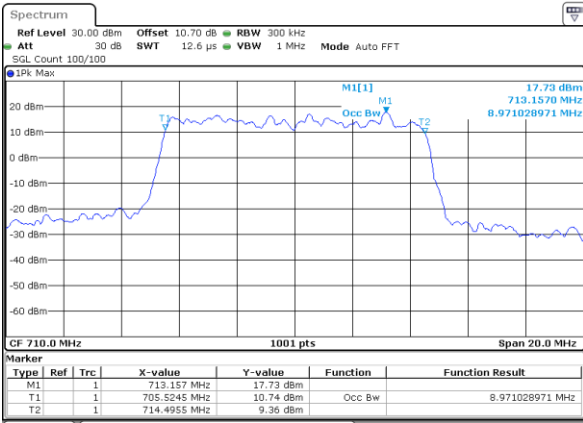
Date: 6 JAN 2018 00:35:53

Lowest Channel / 10MHz / 16QAM



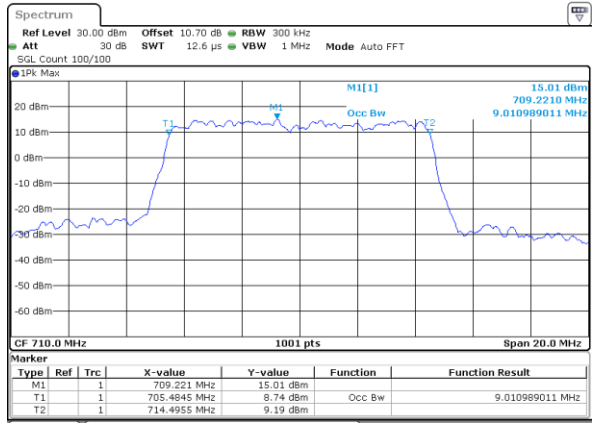
Date: 6 JAN 2018 00:36:03

Middle Channel / 10MHz / QPSK



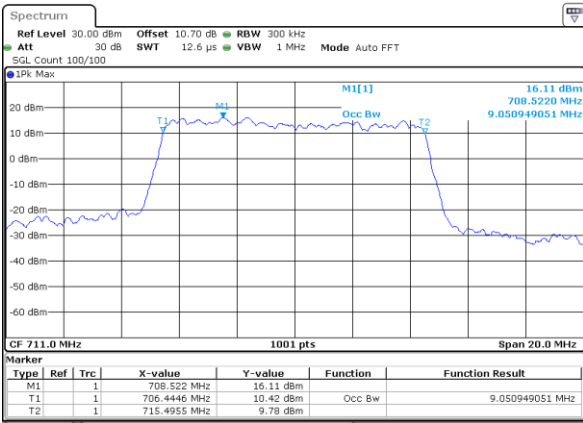
Date: 6 JAN 2018 00:42:55

Middle Channel / 10MHz / 16QAM



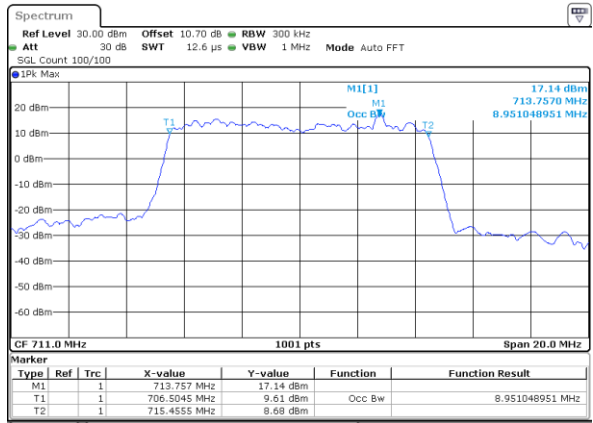
Date: 6 JAN 2018 00:43:05

Highest Channel / 10MHz / QPSK



Date: 6 JAN 2018 00:45:23

Highest Channel / 10MHz / 16QAM

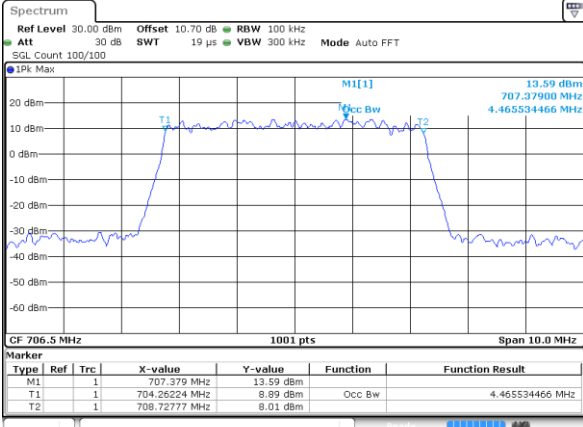


Date: 6 JAN 2018 00:45:33



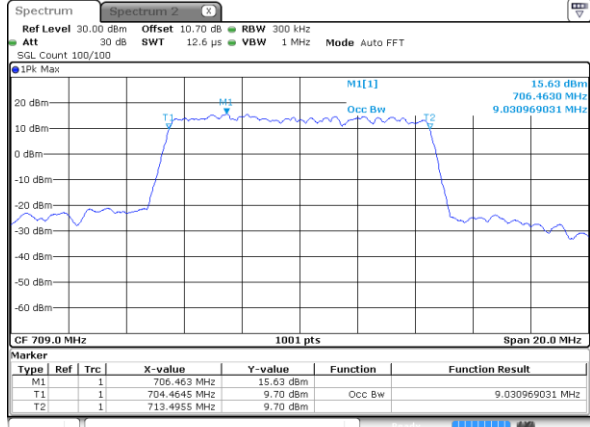
LTE Band 17

Lowest Channel / 5MHz / 64QAM



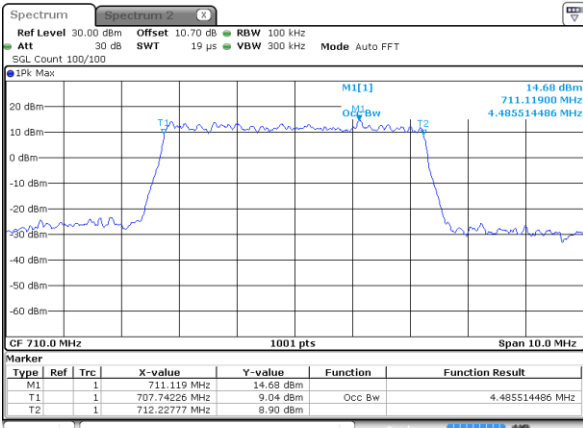
Date: 1 FEB 2018 20:11:55

Lowest Channel / 10MHz / 64QAM



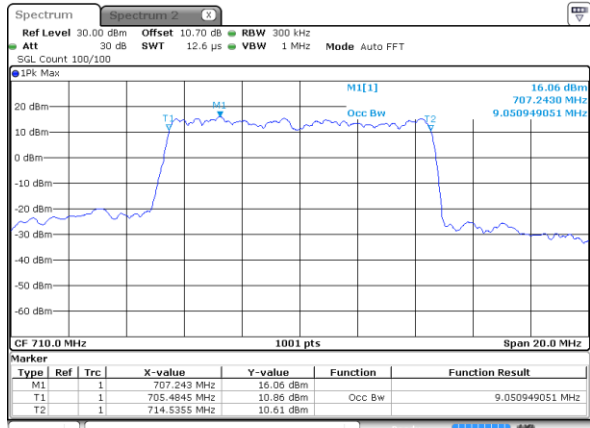
Date: 1 FEB 2018 01:29:31

Middle Channel / 5MHz / 64QAM



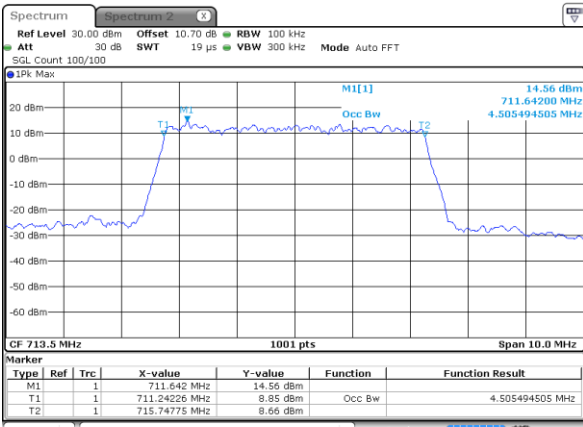
Date: 1 FEB 2018 01:24:46

Middle Channel / 10MHz / 64QAM



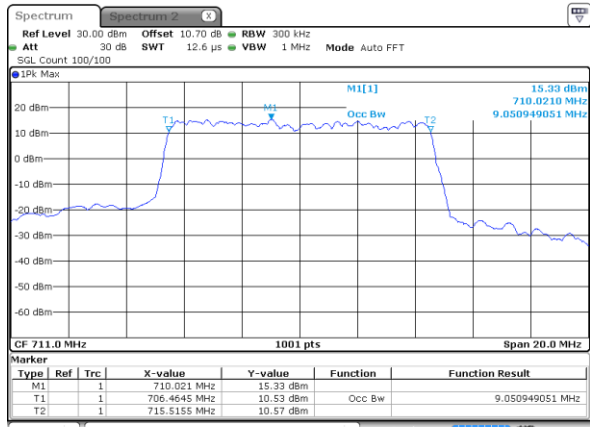
Date: 1 FEB 2018 01:33:02

Highest Channel / 5MHz / 64QAM



Date: 1 FEB 2018 01:26:00

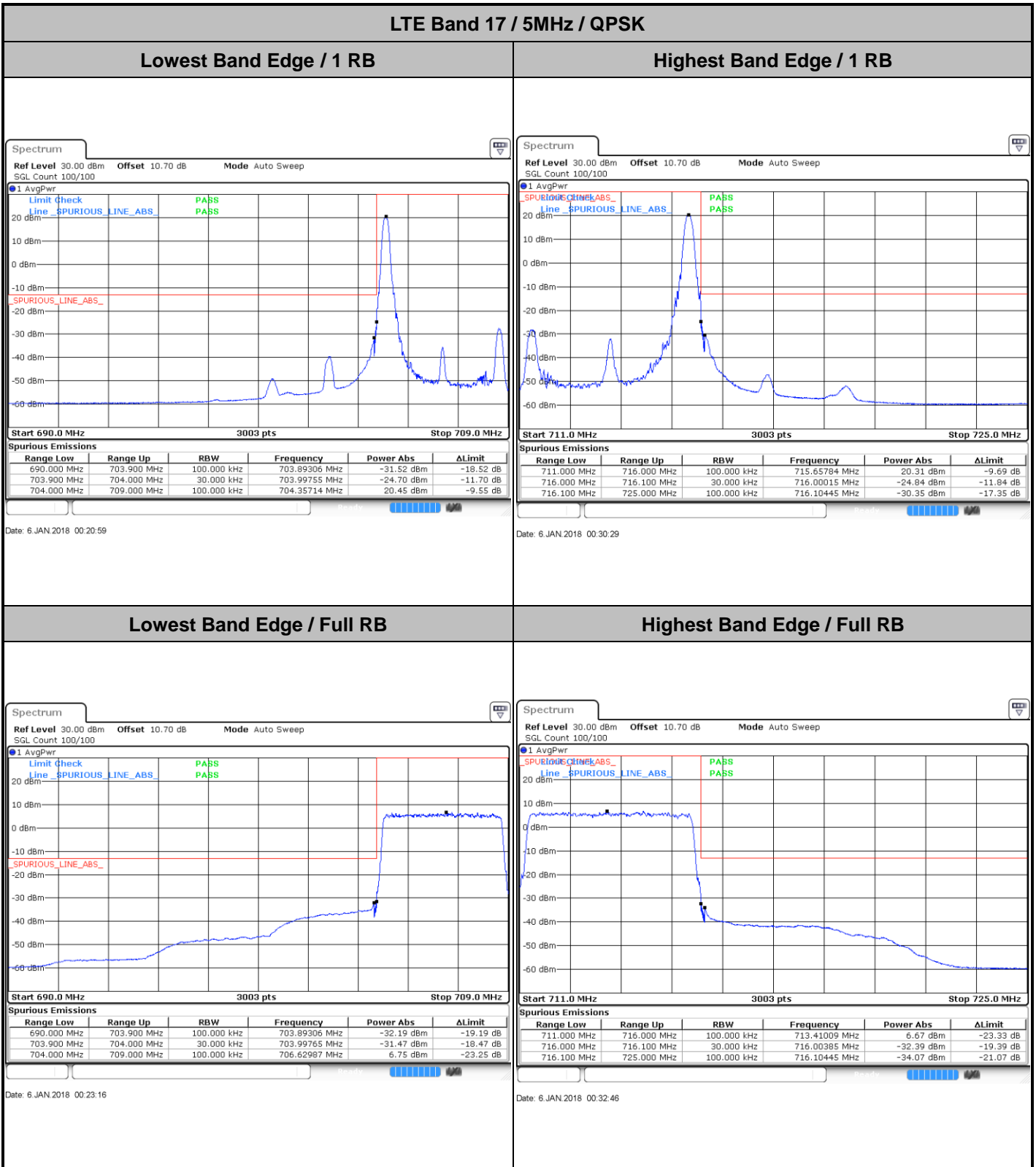
Highest Channel / 10MHz / 64QAM



Date: 1 FEB 2018 01:34:16



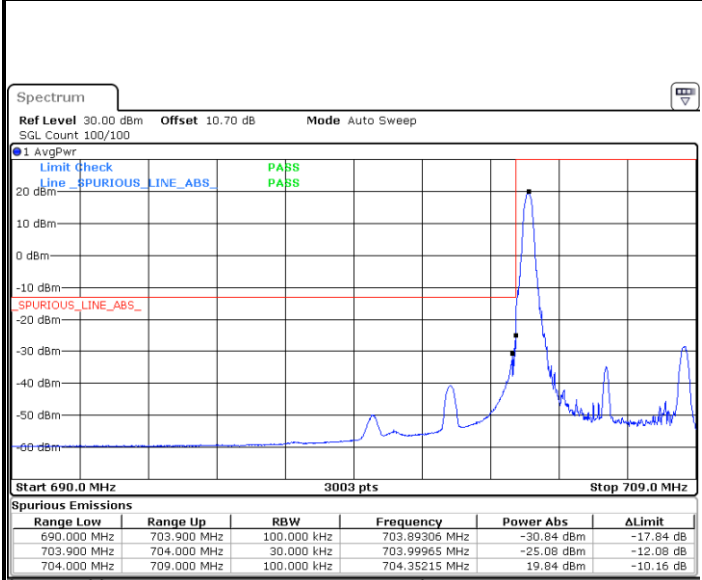
# Conducted Band Edge





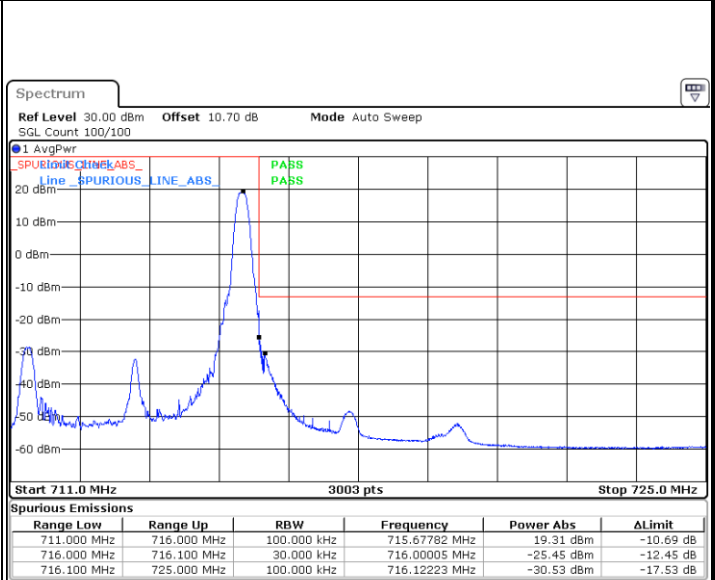
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



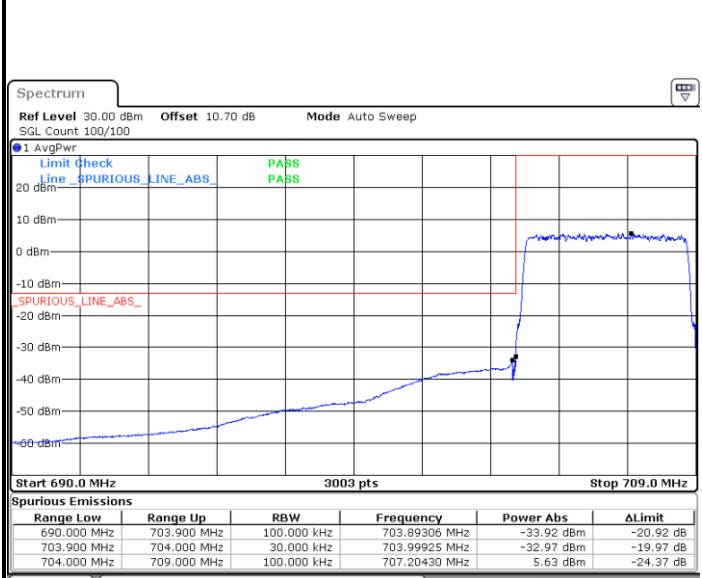
Date: 6 JAN 2018 00:22:07

Highest Band Edge / 1 RB



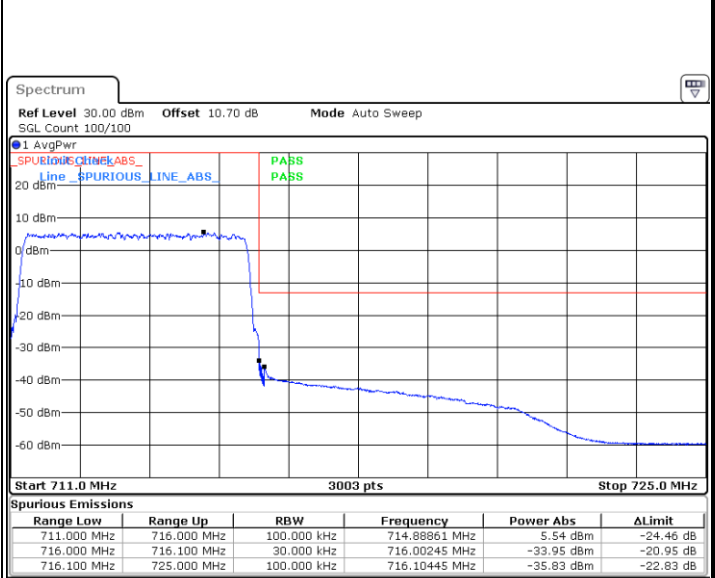
Date: 6 JAN 2018 00:31:37

Lowest Band Edge / Full RB



Date: 6 JAN 2018 00:24:25

Highest Band Edge / Full RB

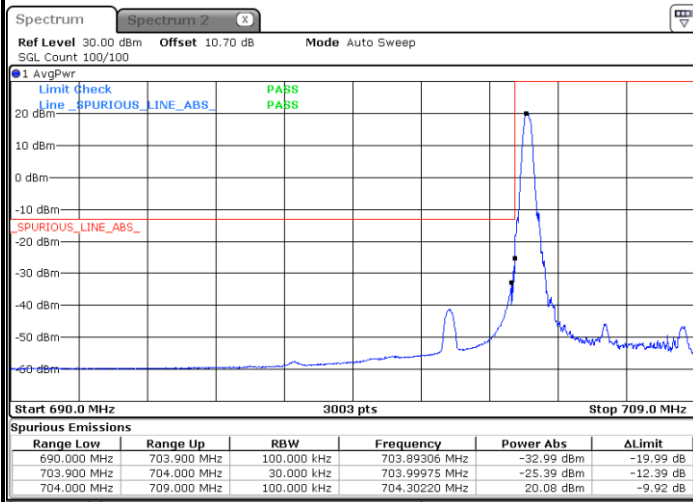


Date: 6 JAN 2018 00:33:55



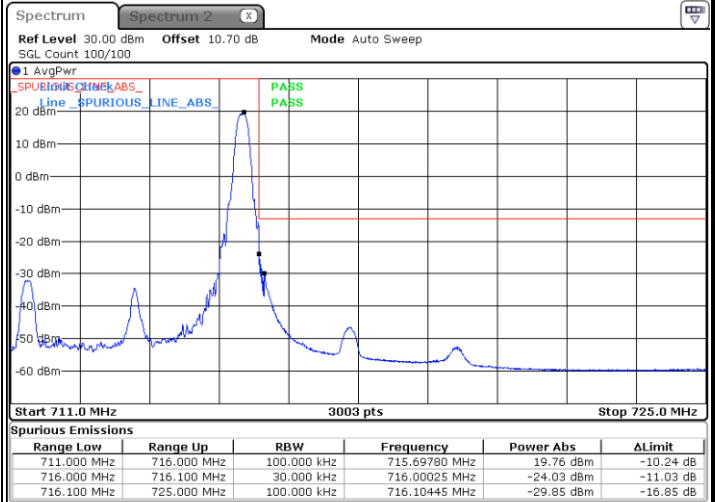
LTE Band 17 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



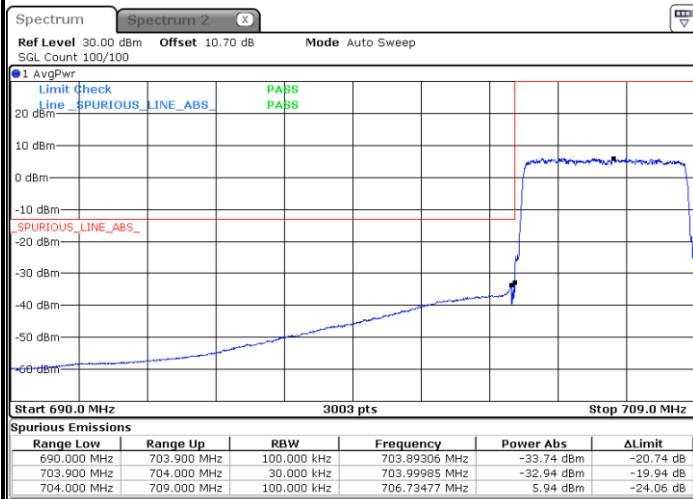
Date: 1.FEB.2018 01:22:33

Highest Band Edge / 1 RB



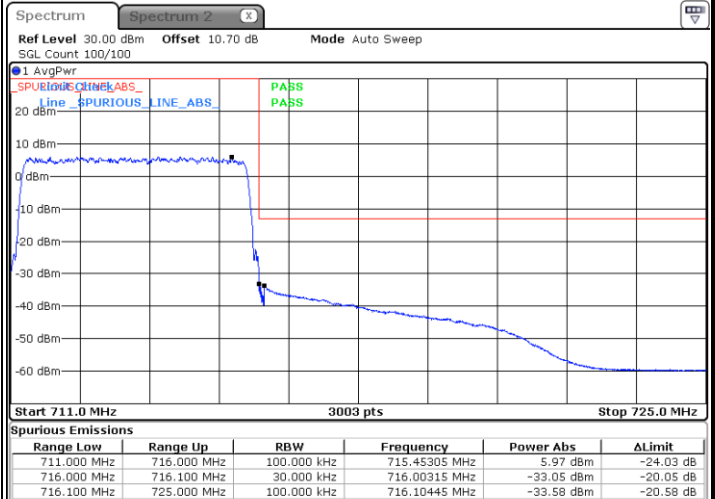
Date: 1.FEB.2018 01:27:18

Lowest Band Edge / Full RB



Date: 1.FEB.2018 01:23:42

Highest Band Edge / Full RB

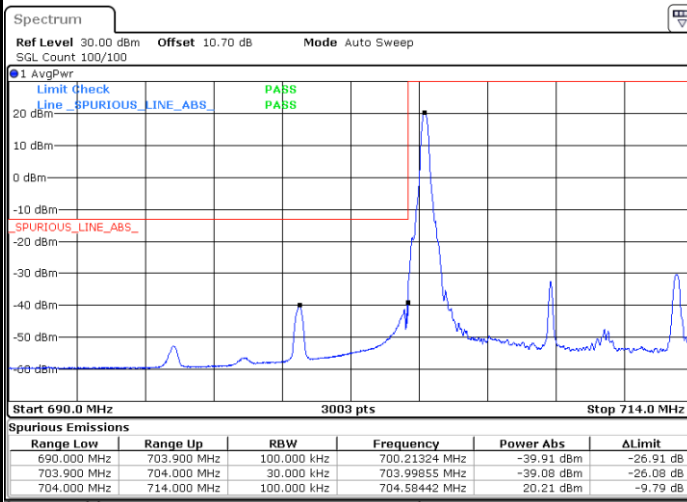


Date: 1.FEB.2018 01:28:27



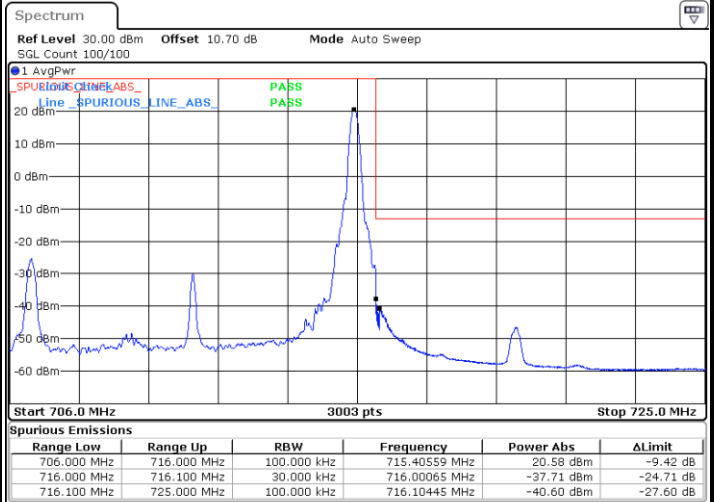
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



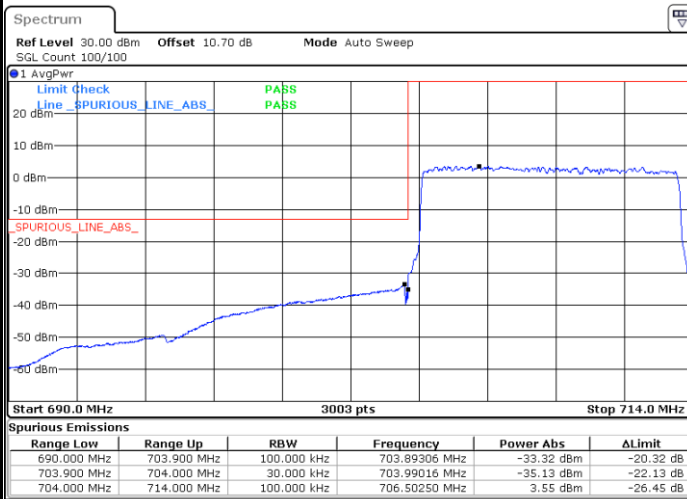
Date: 6 JAN 2018 00:37:31

Highest Band Edge / 1 RB



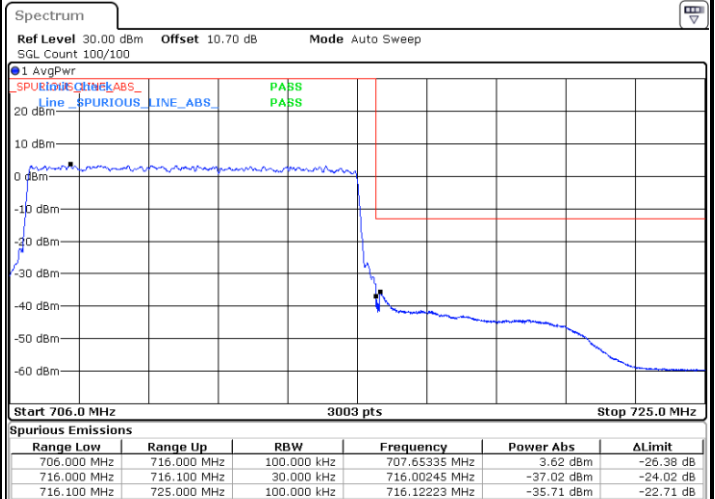
Date: 6 JAN 2018 00:47:01

Lowest Band Edge / Full RB



Date: 6 JAN 2018 00:39:49

Highest Band Edge / Full RB

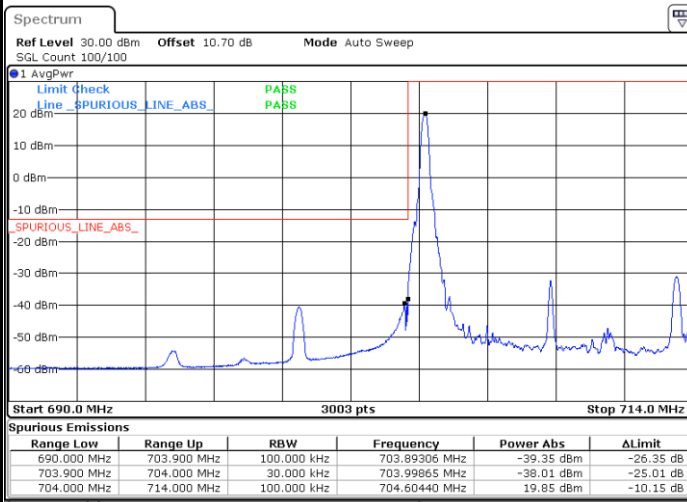


Date: 6 JAN 2018 00:49:19



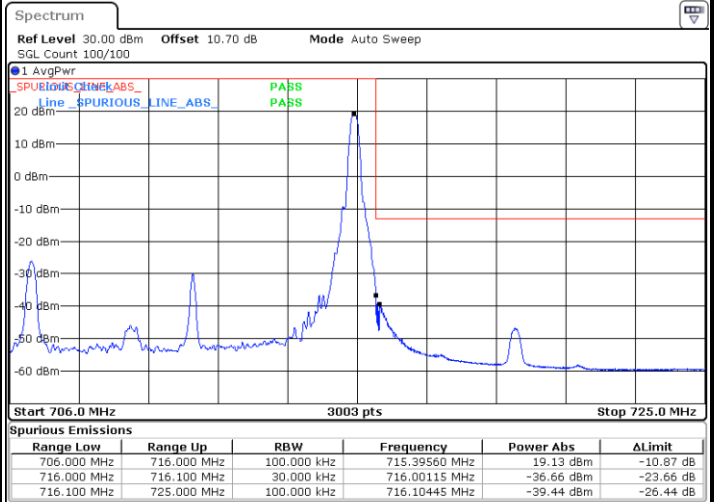
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



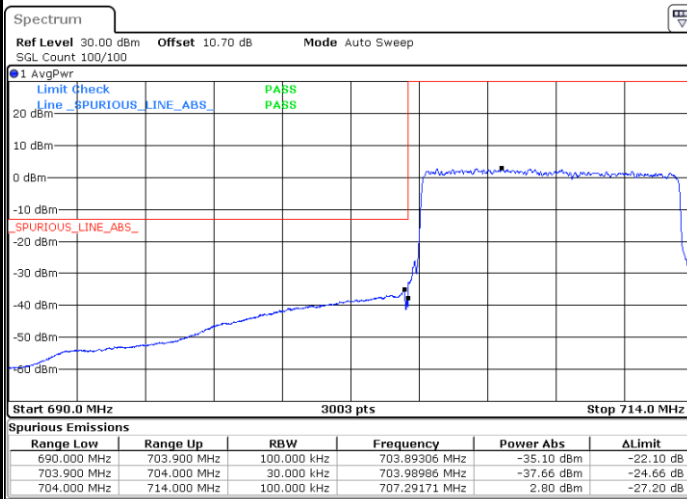
Date: 6 JAN 2018 00:38:40

Highest Band Edge / 1 RB



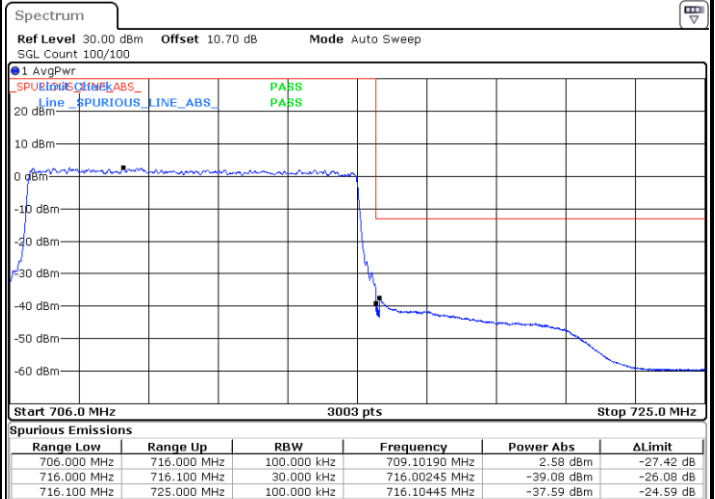
Date: 6 JAN 2018 00:48:10

Lowest Band Edge / Full RB



Date: 6 JAN 2018 00:40:57

Highest Band Edge / Full RB

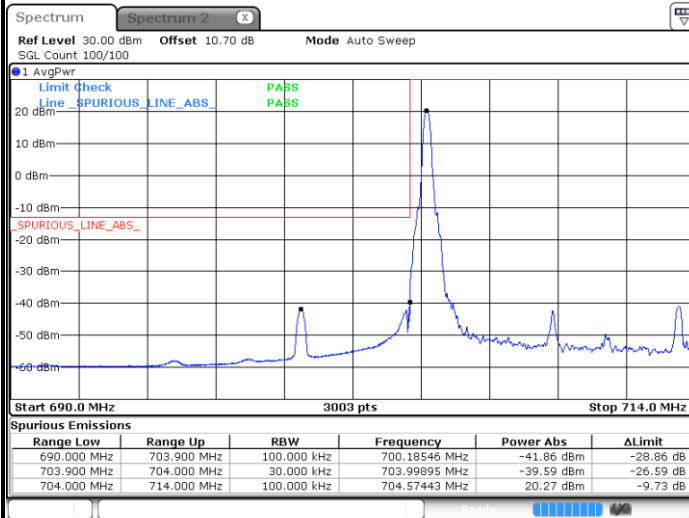


Date: 6 JAN 2018 00:50:27



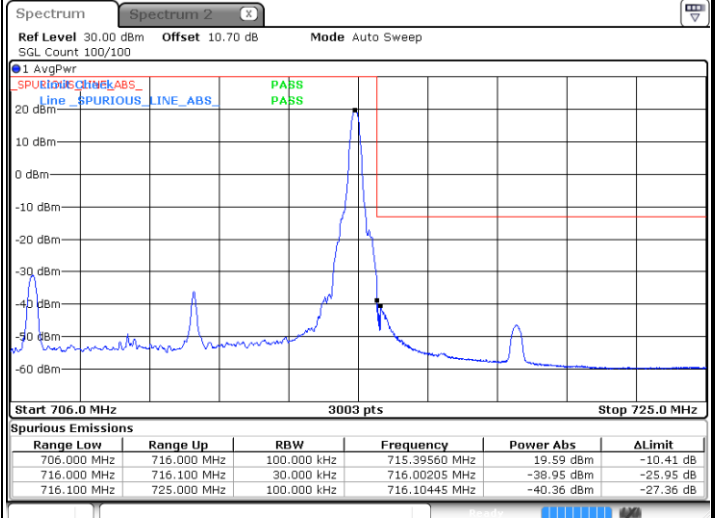
LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



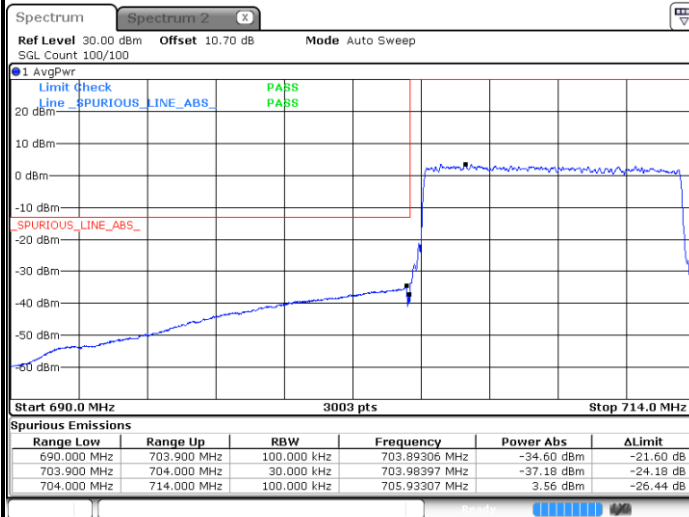
Date: 1.FEB.2018 01:30:49

Highest Band Edge / 1 RB



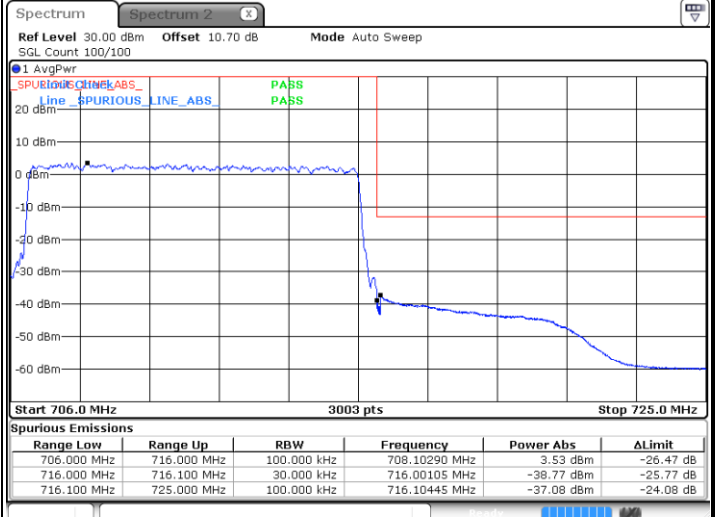
Date: 1.FEB.2018 01:35:34

Lowest Band Edge / Full RB



Date: 1.FEB.2018 01:31:58

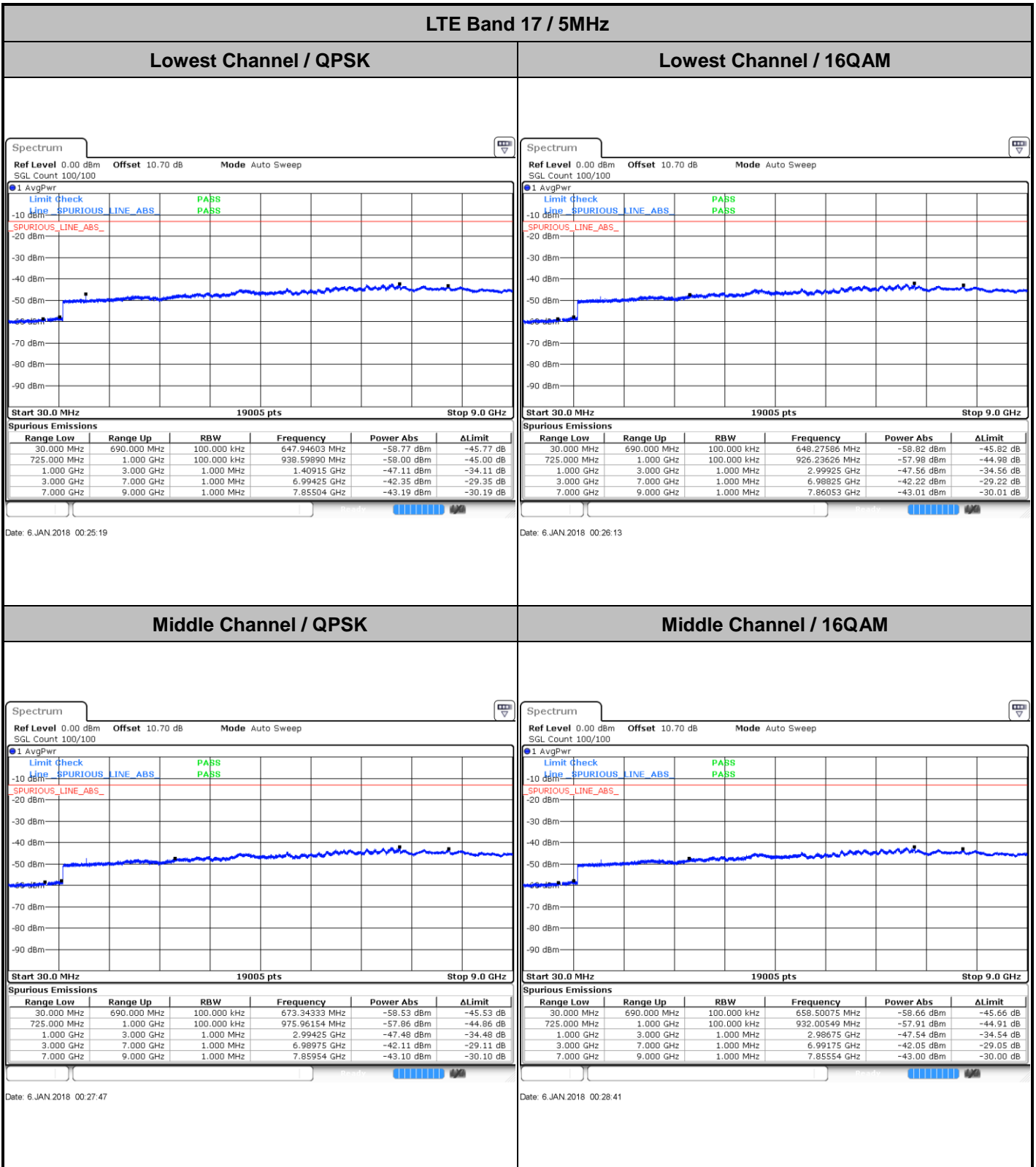
Highest Band Edge / Full RB



Date: 1.FEB.2018 01:36:43



# Conducted Spurious Emission

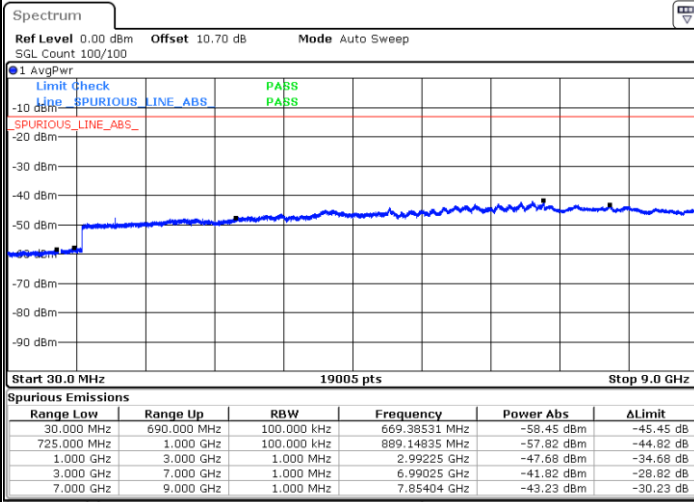




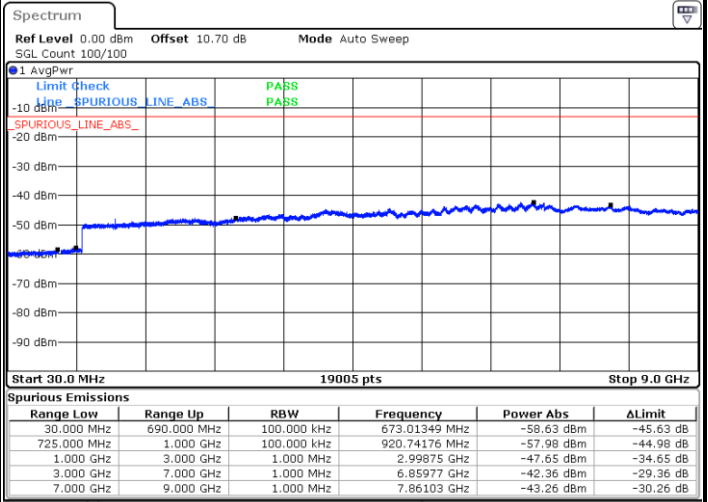
LTE Band 17 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JAN 2018 00:34:49

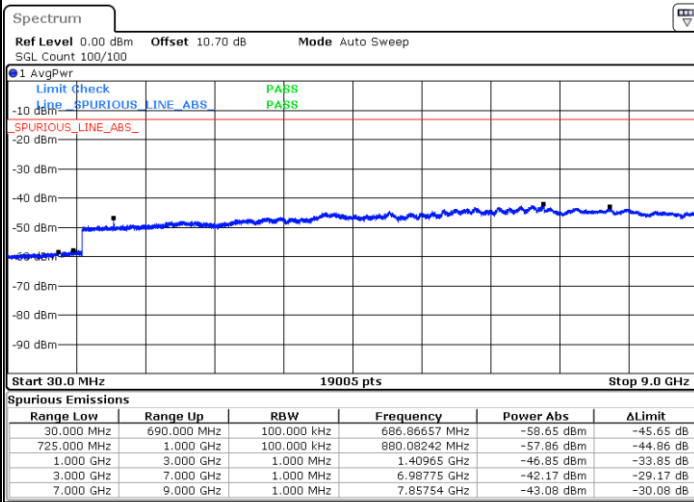


Date: 6 JAN 2018 00:35:43

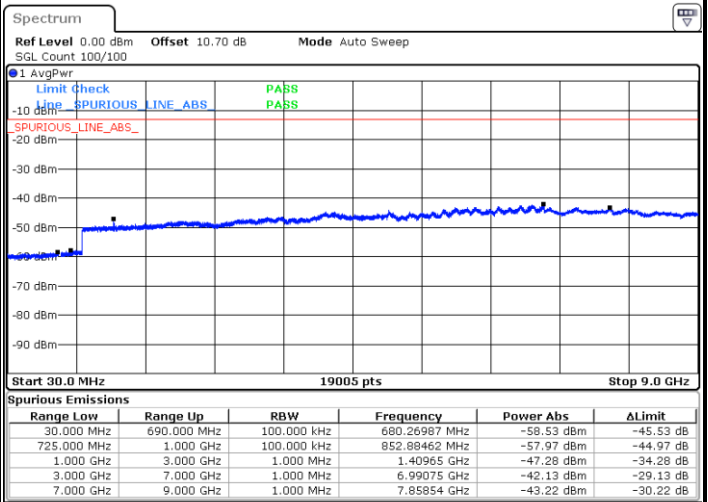
LTE Band 17 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 6 JAN 2018 00:41:52



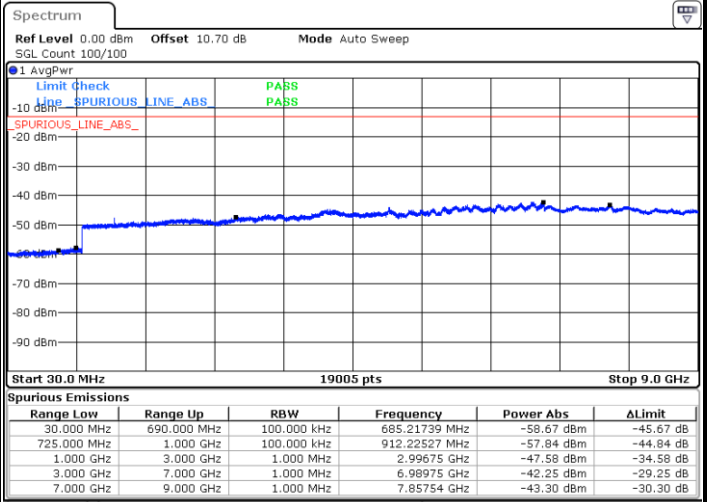
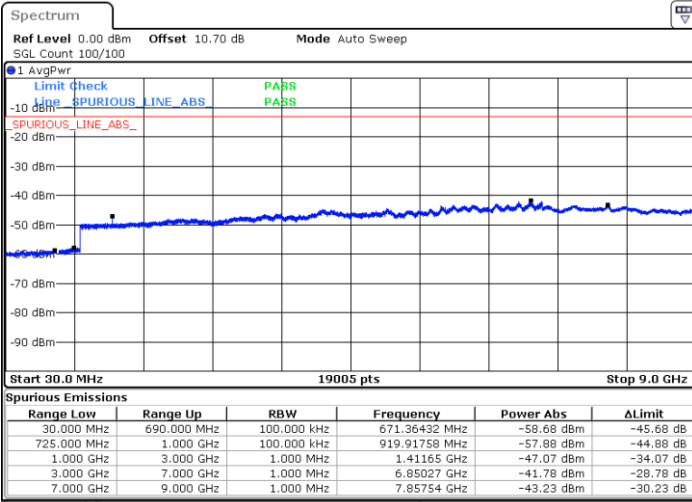
Date: 6 JAN 2018 00:42:45



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

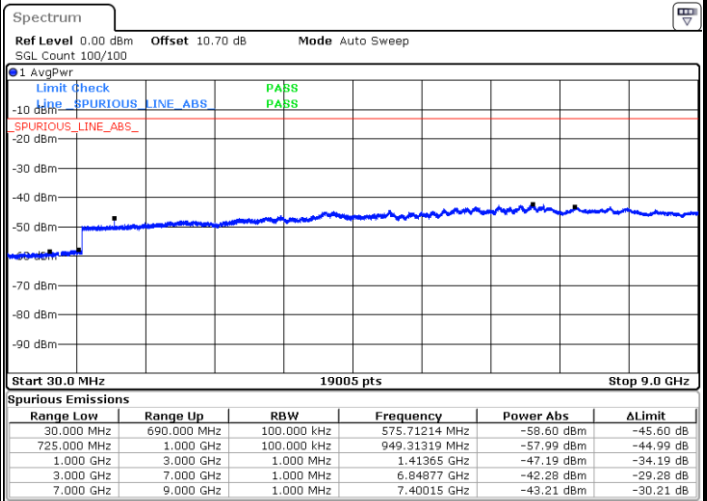
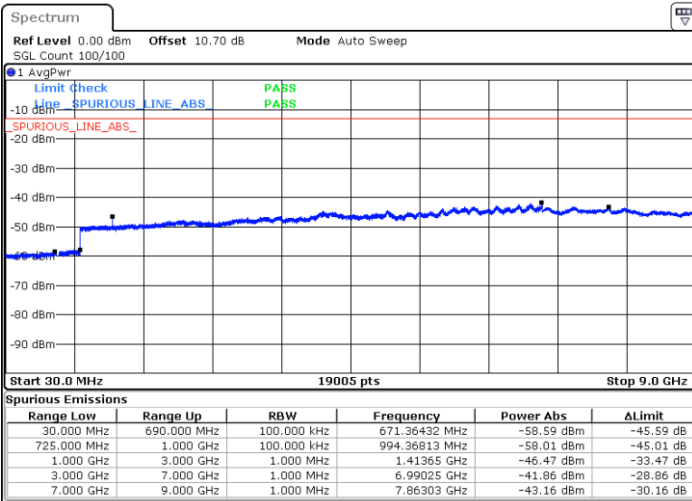


Date: 6 JAN 2018 00:44:19

Date: 6 JAN 2018 00:45:13

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JAN 2018 01:08:56

Date: 6 JAN 2018 01:09:50