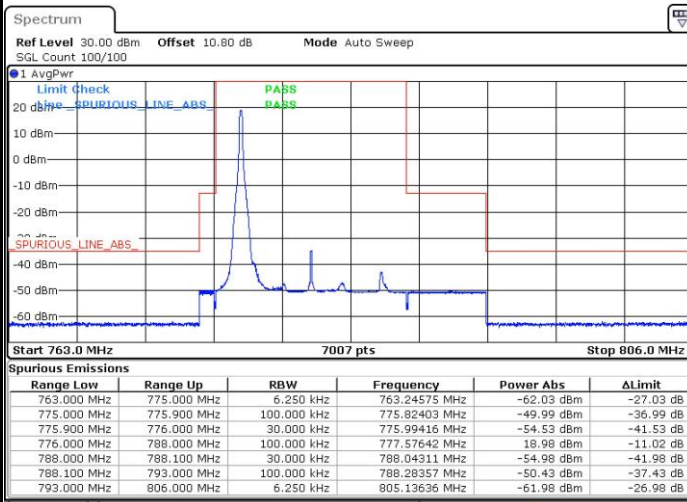




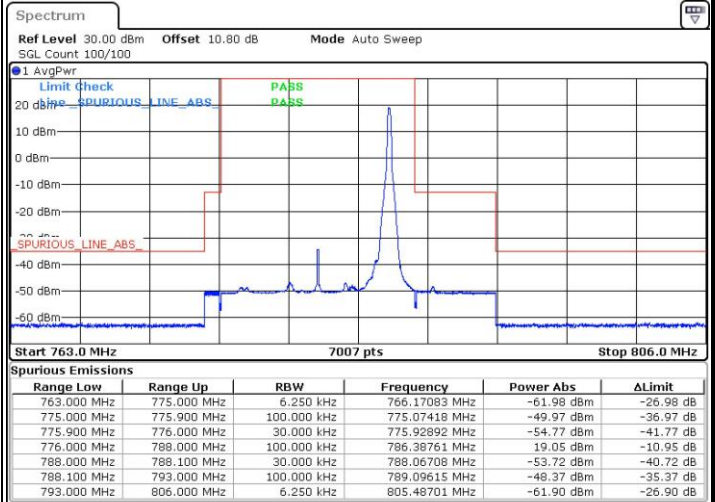
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



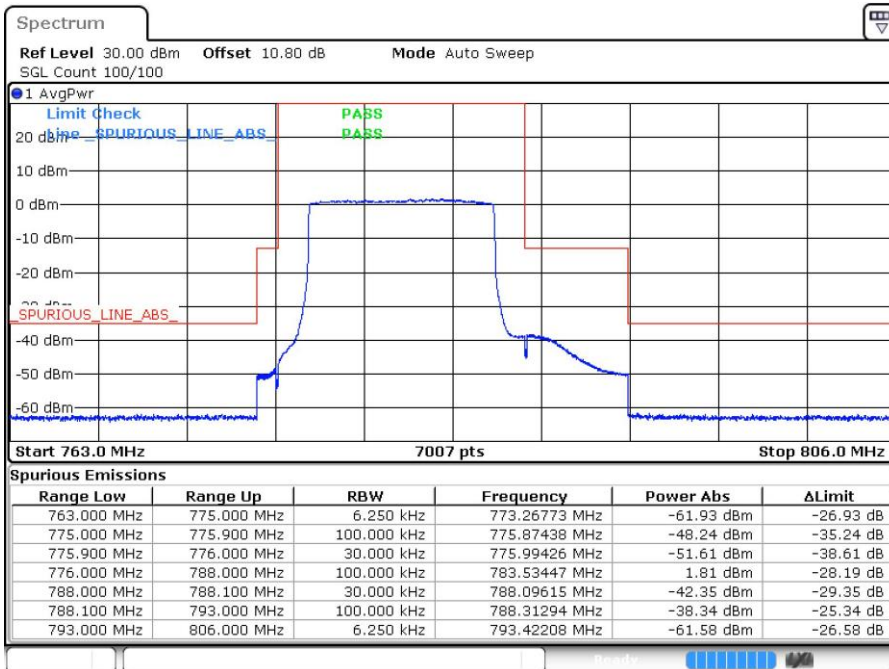
Date: 30 AUG 2018 07:24:07

Highest Band Edge / 1 RB



Date: 30 AUG.2018 07:29:08

Band Edge / Full RB

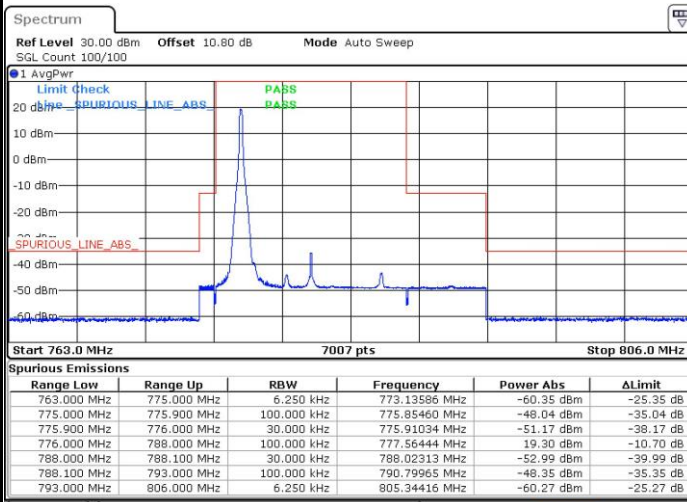


Date: 30 AUG 2018 07:22:27



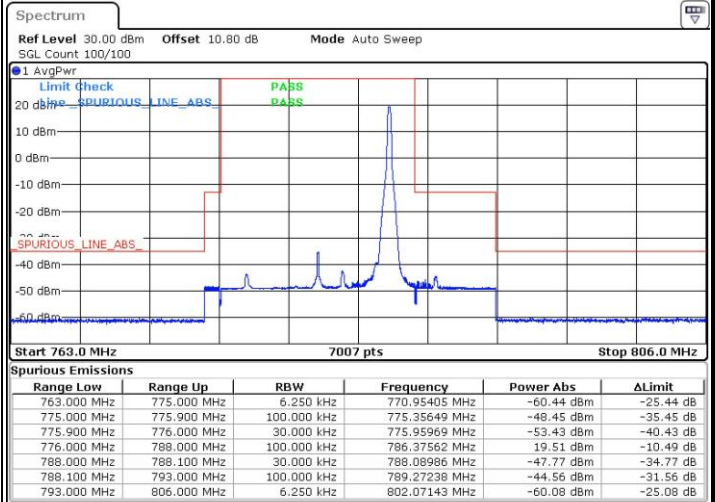
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



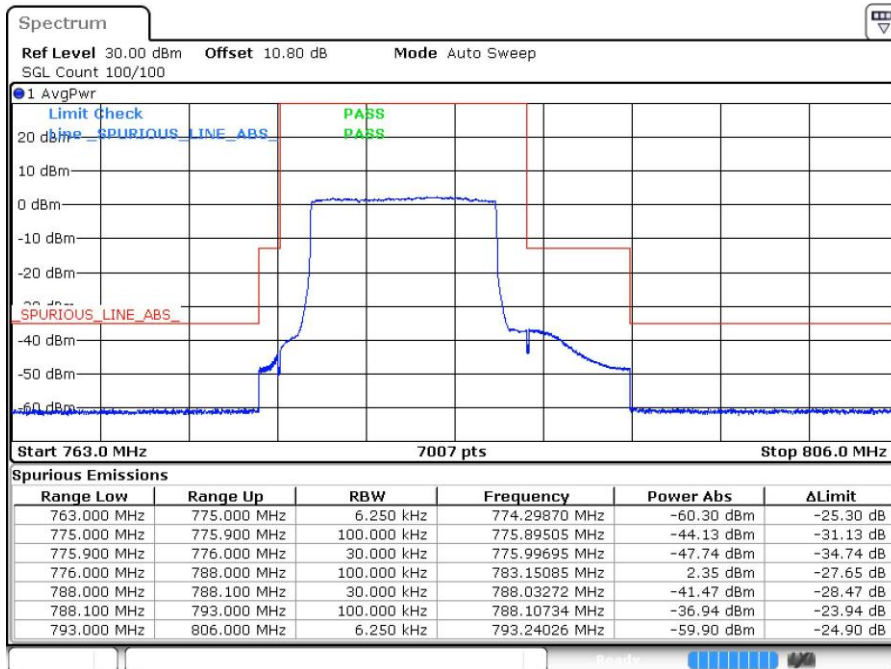
Date: 14.NOV.2018 07:11:52

Highest Band Edge / 1 RB



Date: 14.NOV.2018 07:13:31

Band Edge / Full RB



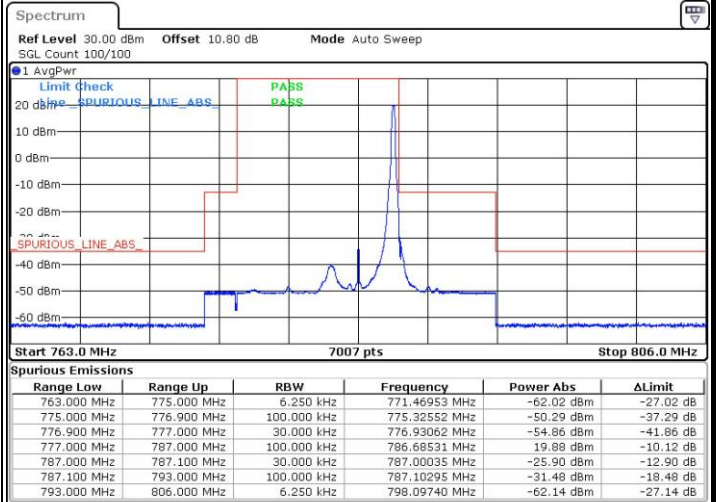
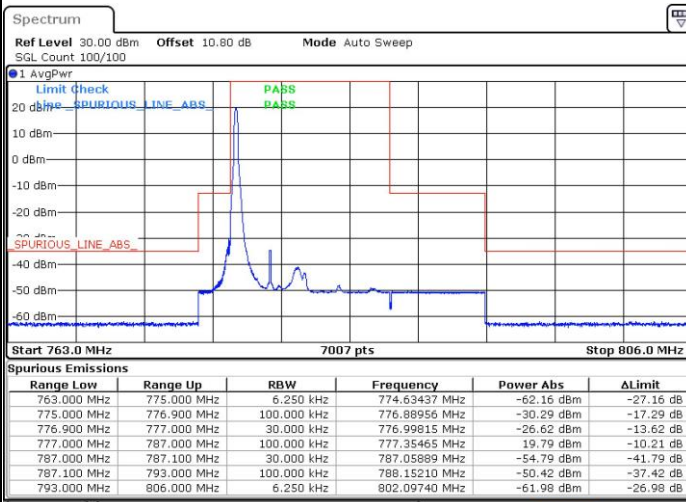
Date: 14.NOV.2018 07:10:14



IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

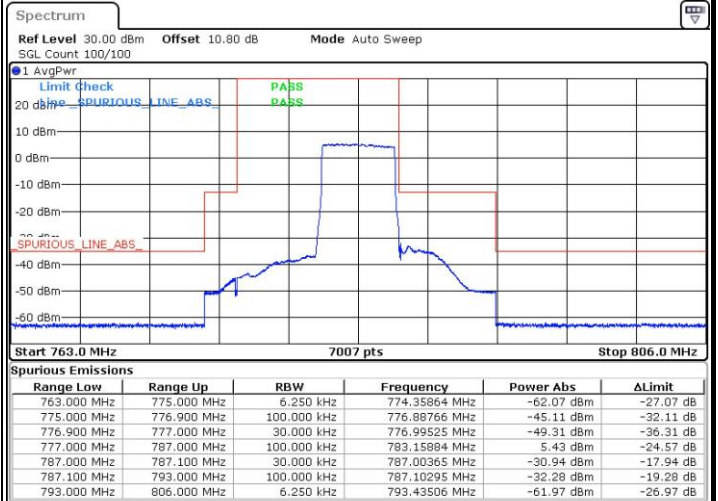
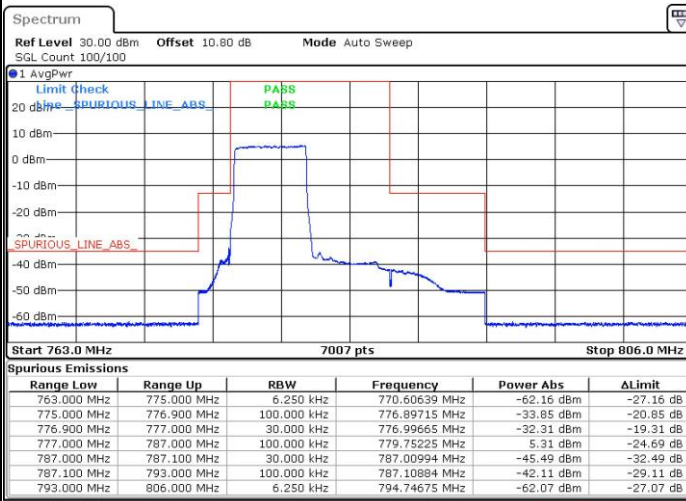


Date: 30 AUG 2018 07:42:04

Date: 30 AUG 2018 07:48:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30 AUG 2018 07:37:04

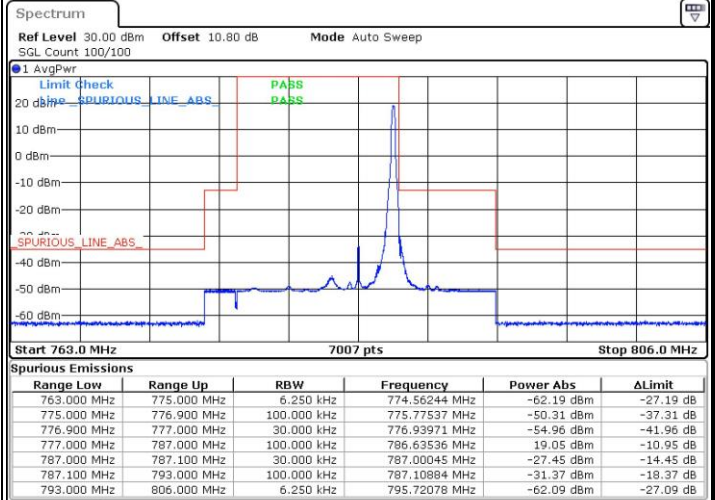
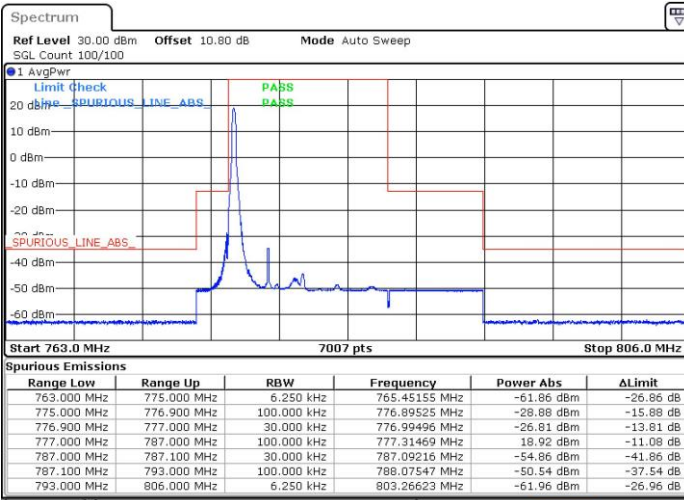
Date: 30 AUG 2018 07:43:45



IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

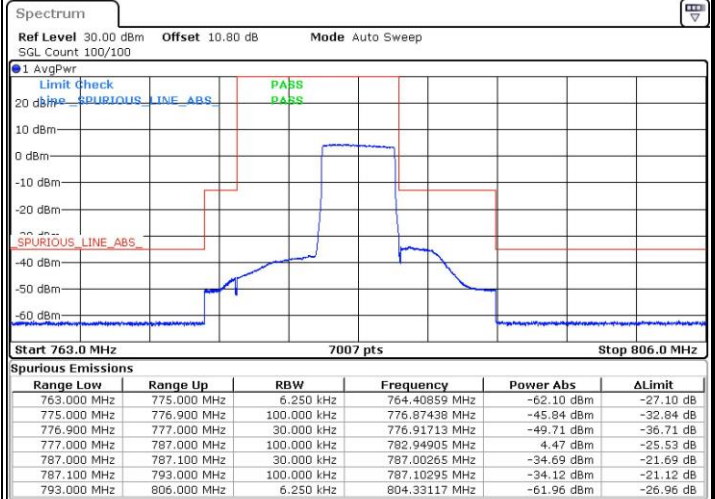
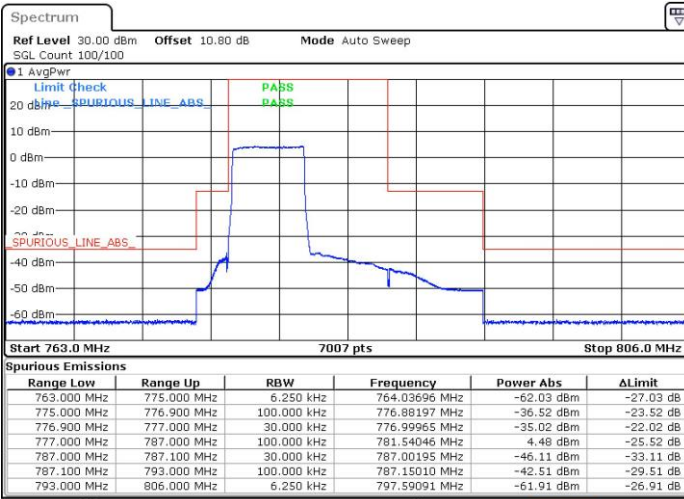


Date: 30 AUG 2018 07:40:24

Date: 30 AUG 2018 07:47:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30 AUG 2018 07:38:44

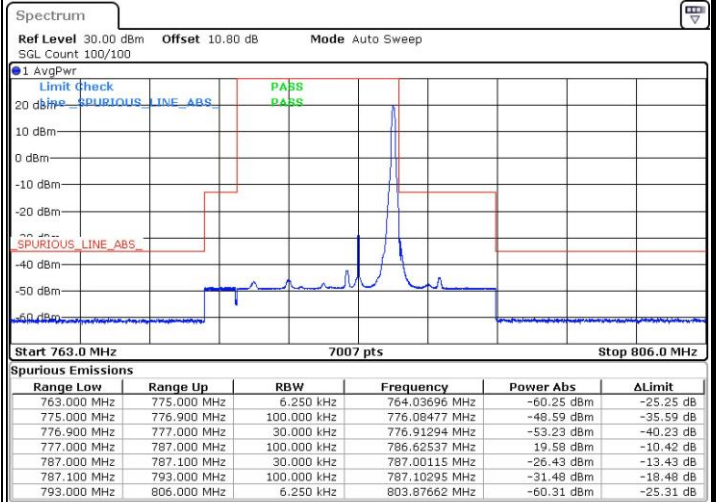
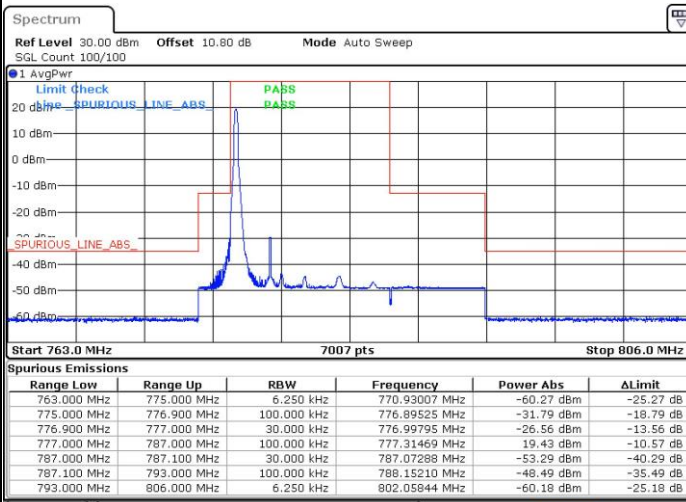
Date: 30 AUG 2018 07:45:25



IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

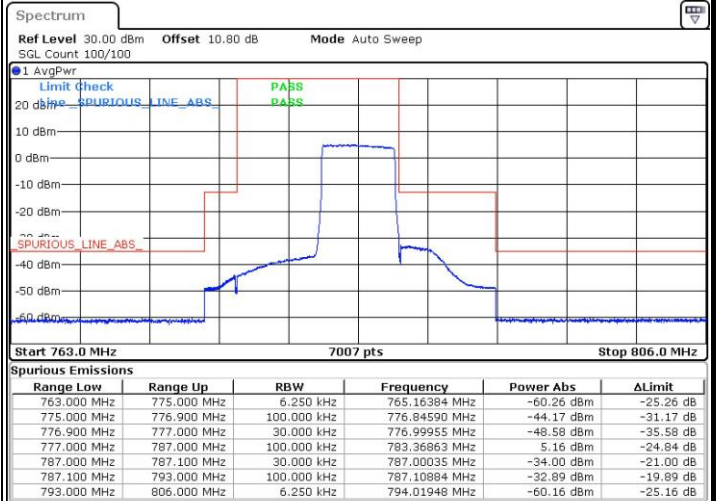
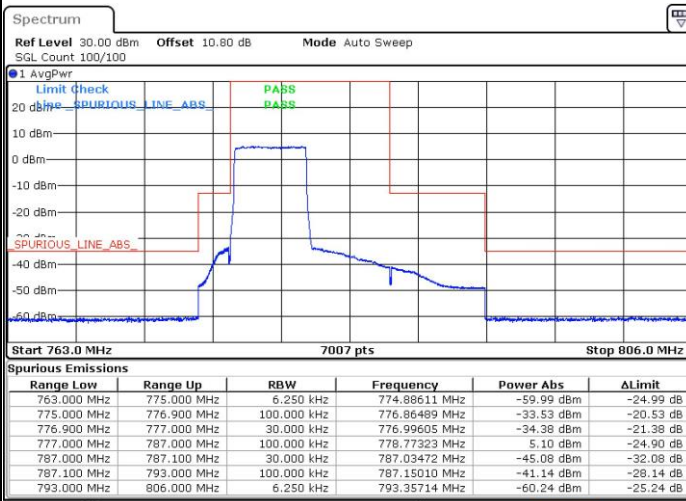


Date: 15.NOV.2018 01:34:05

Date: 15.NOV.2018 01:37:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



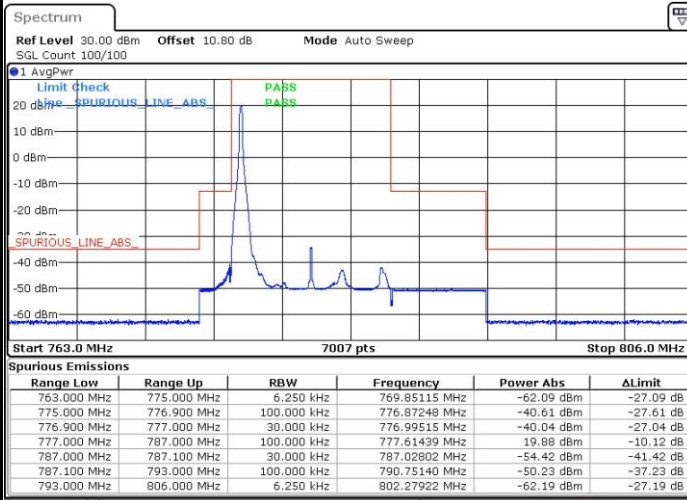
Date: 15.NOV.2018 01:32:25

Date: 15.NOV.2018 01:35:45



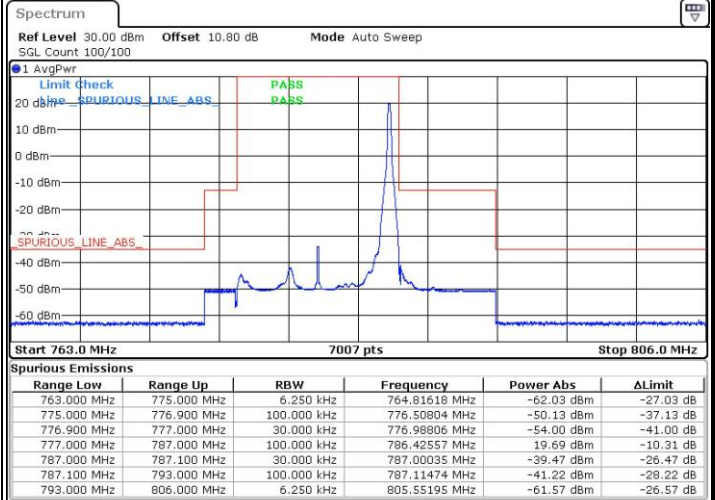
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



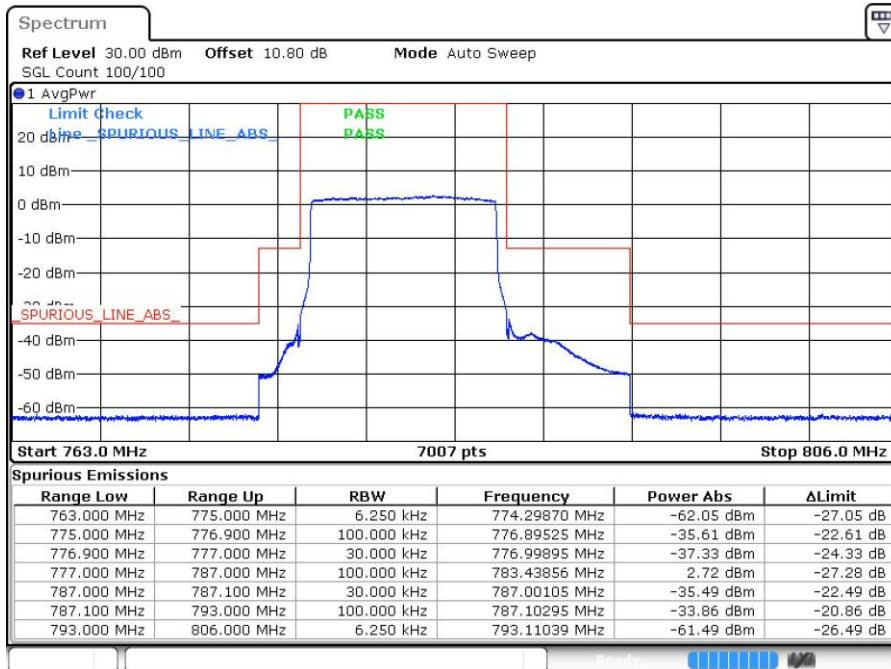
Date: 30 AUG 2018 07:55:27

Highest Band Edge / 1 RB



Date: 30 AUG 2018 07:57:07

Band Edge / Full RB

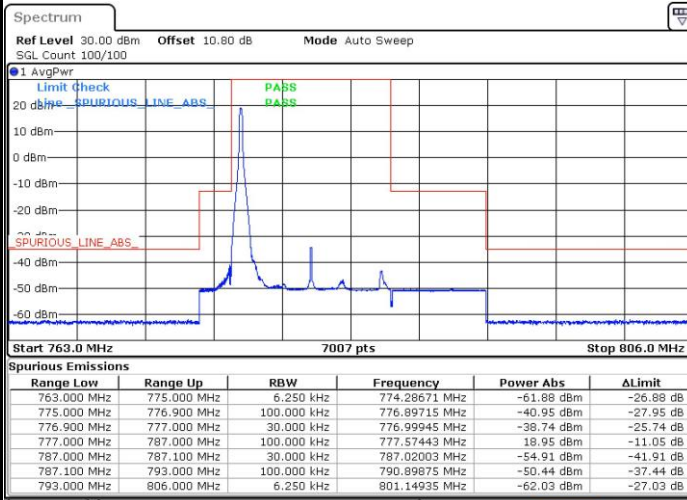


Date: 30 AUG 2018 07:50:26



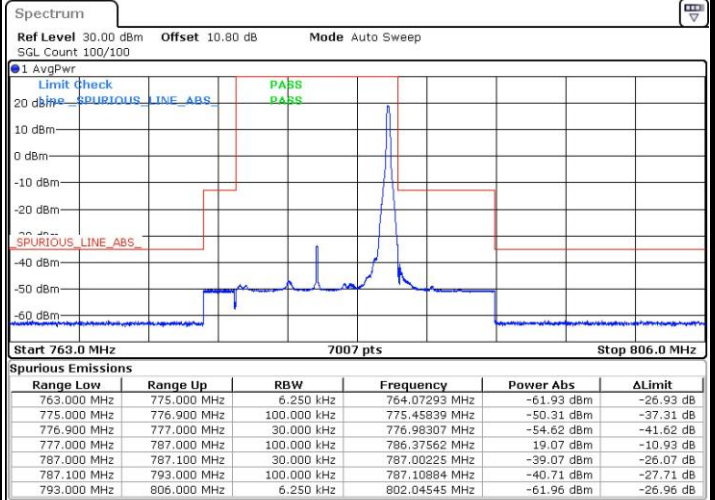
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



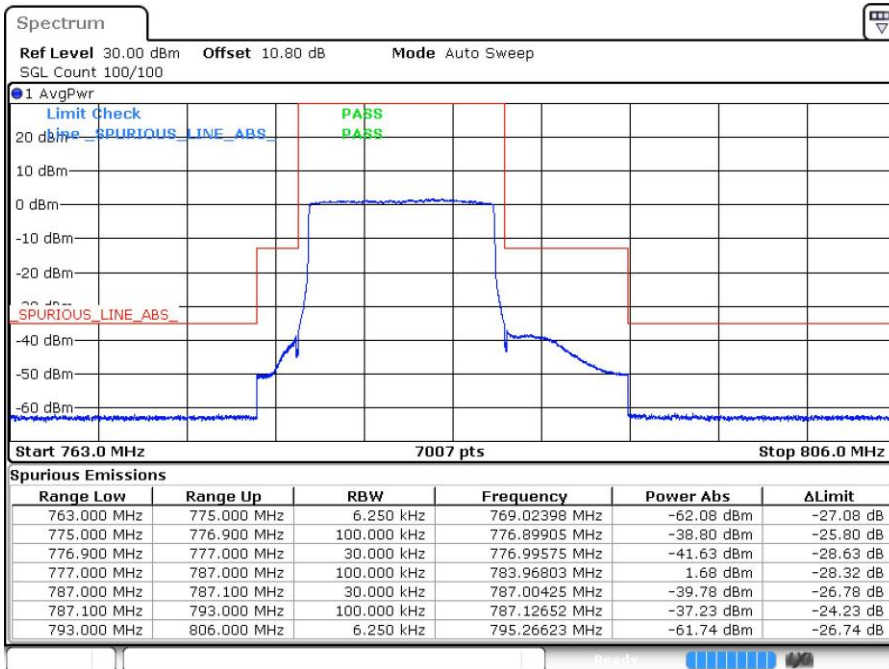
Date: 30 AUG 2018 07:53:46

Highest Band Edge / 1 RB



Date: 30 AUG 2018 07:58:48

Band Edge / Full RB

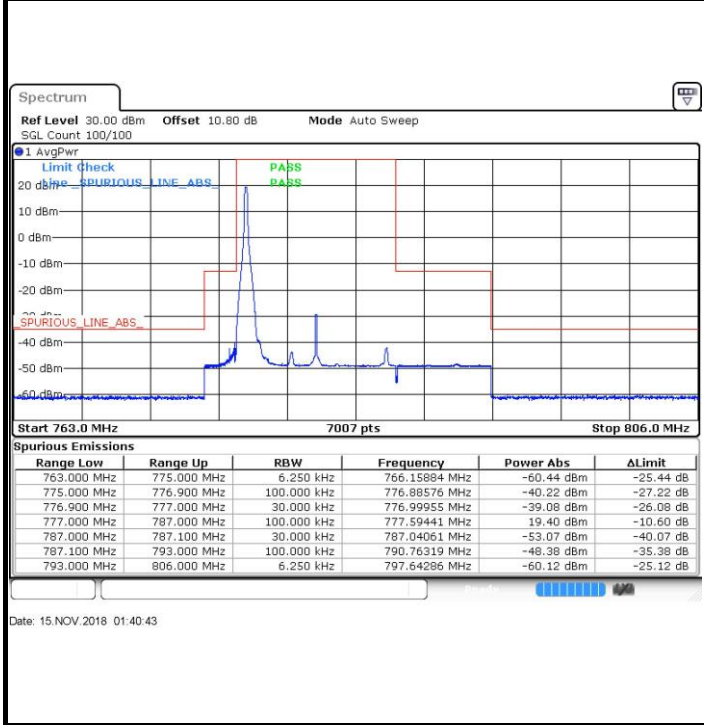


Date: 30 AUG 2018 07:52:06

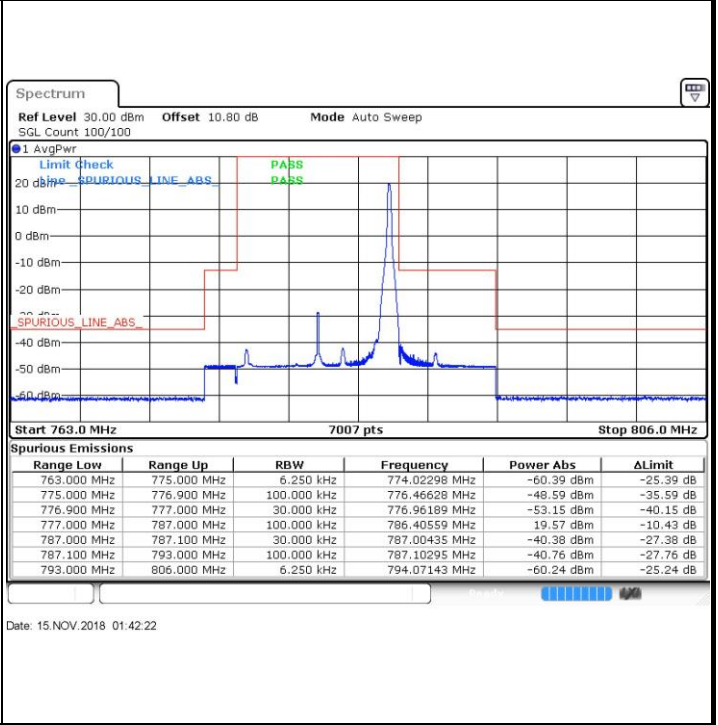


IC LTE Band 13 / 10MHz / 64QAM

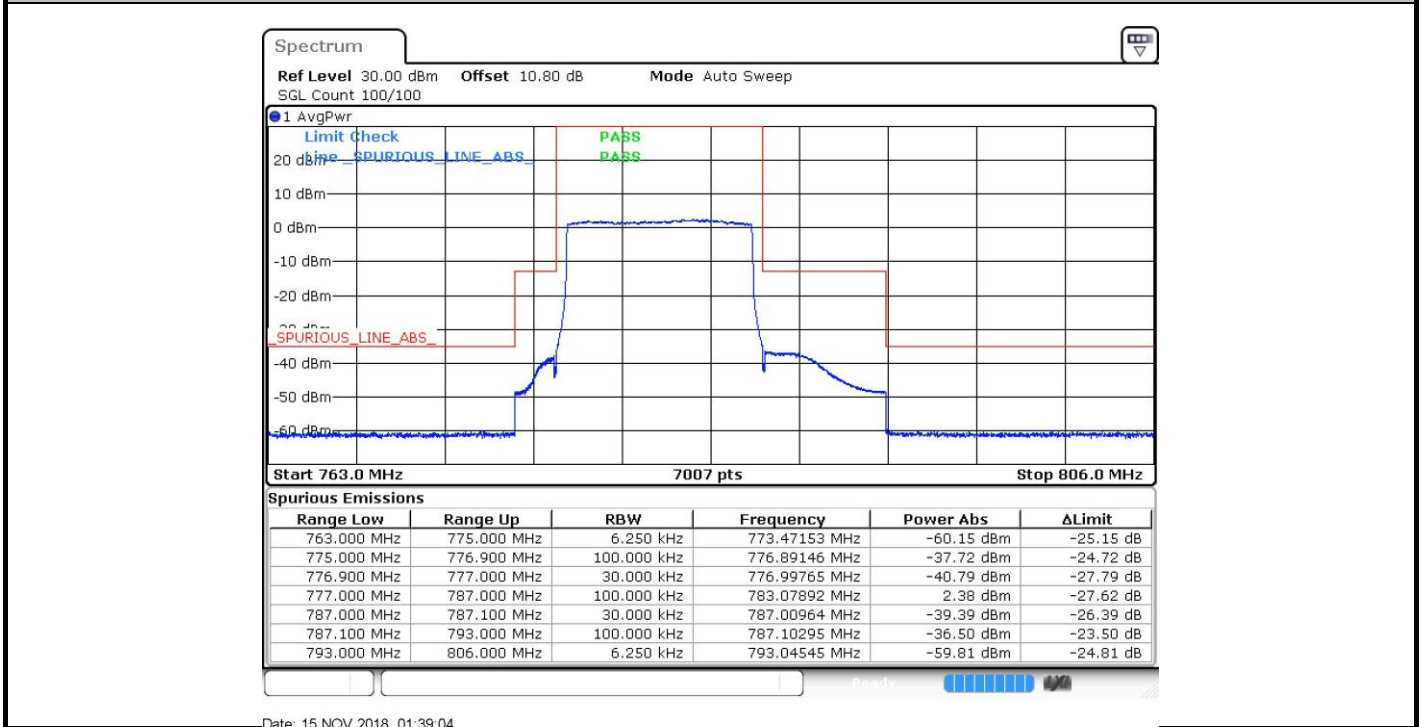
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

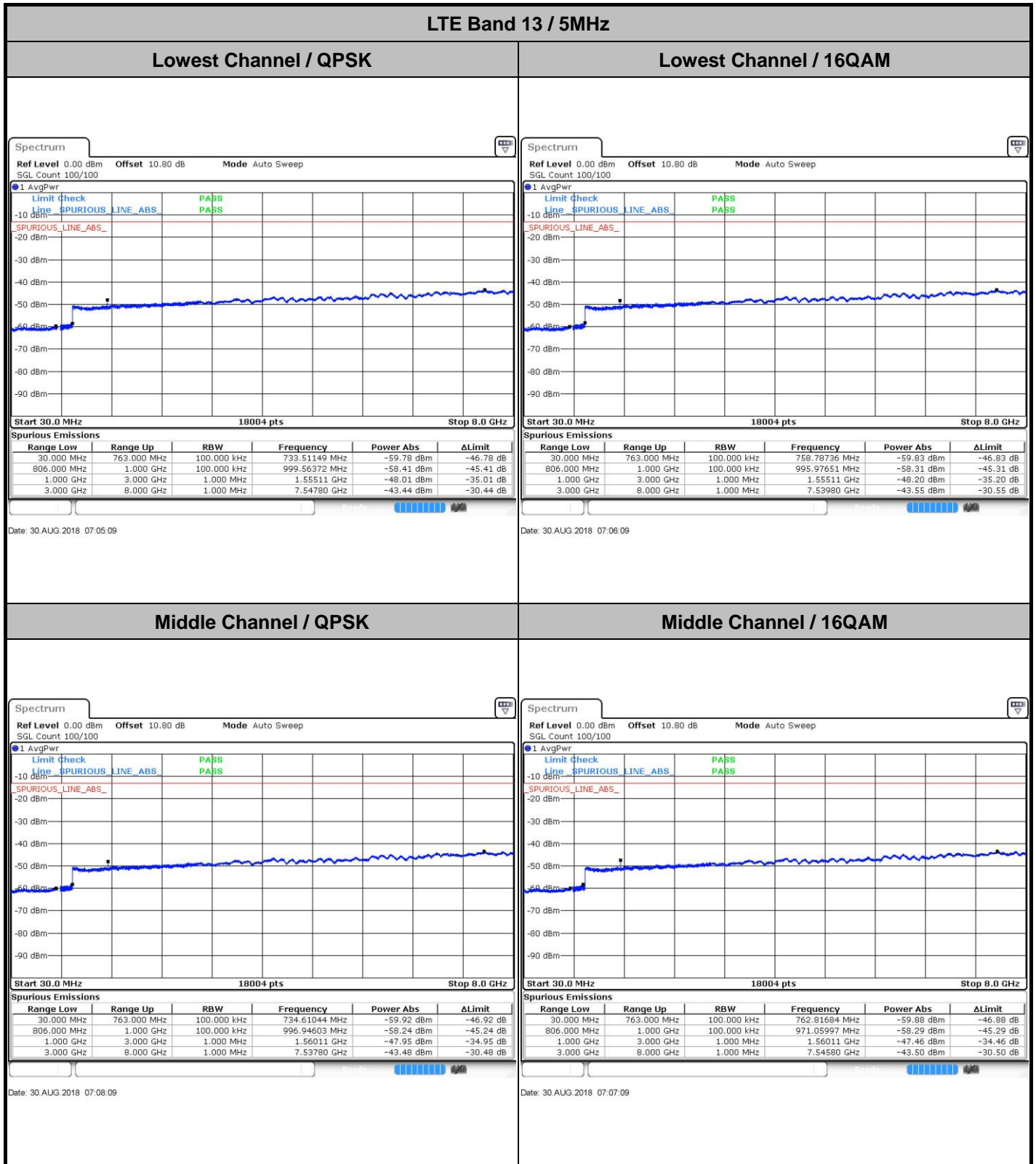


Band Edge / Full RB





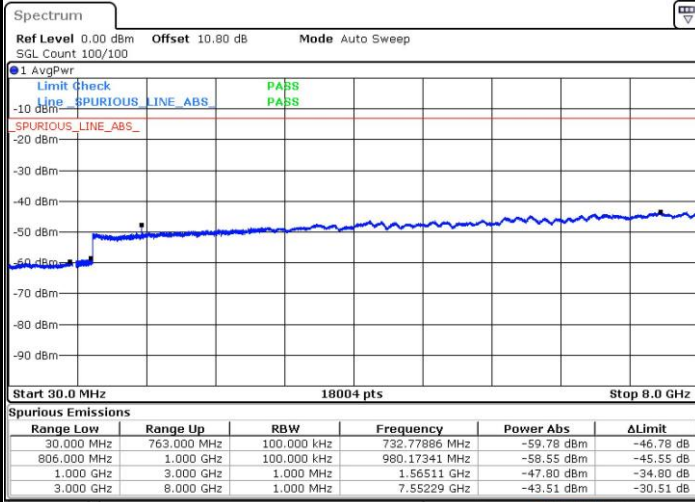
Conducted Spurious Emission





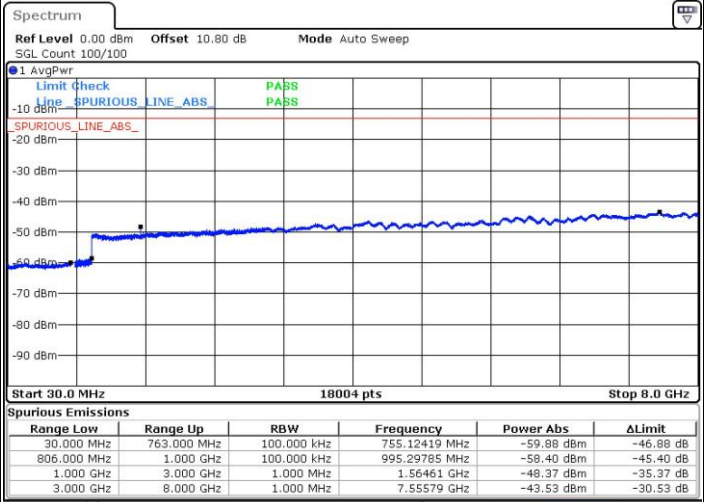
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 30 AUG 2018 07:17:22

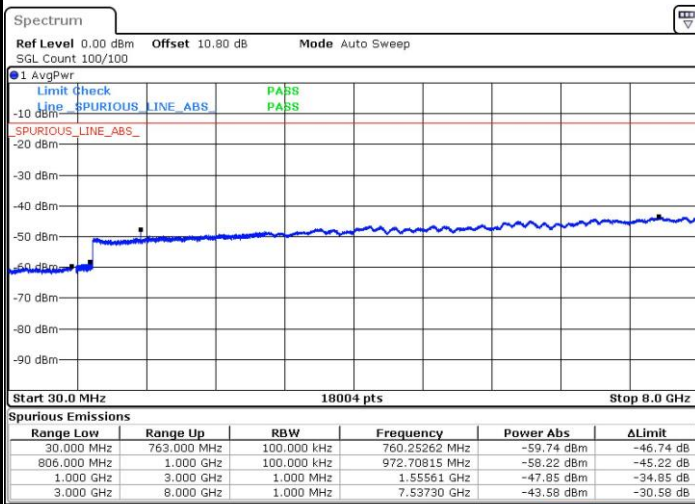
Highest Channel / 16QAM



Date: 30 AUG 2018 07:18:22

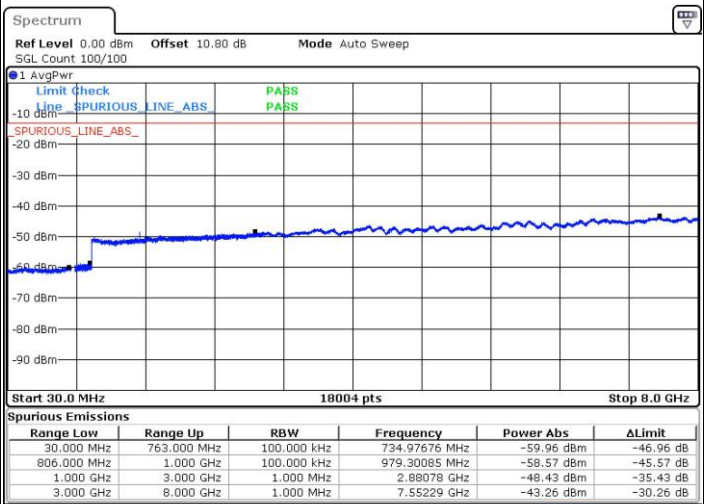
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 30 AUG 2018 07:31:09

Middle Channel / 16QAM



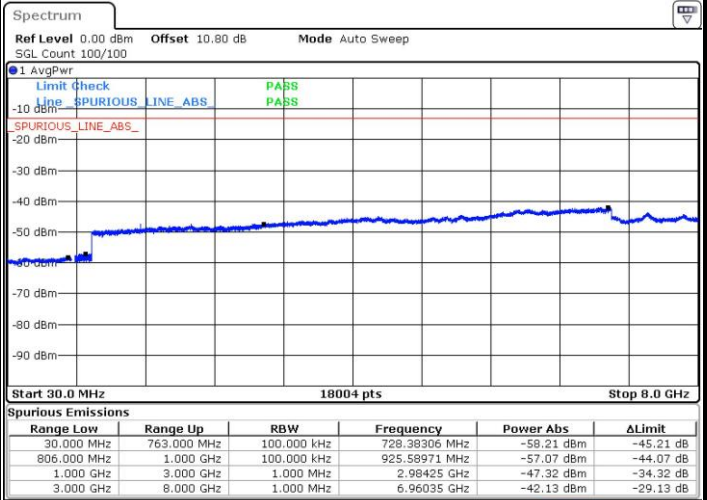
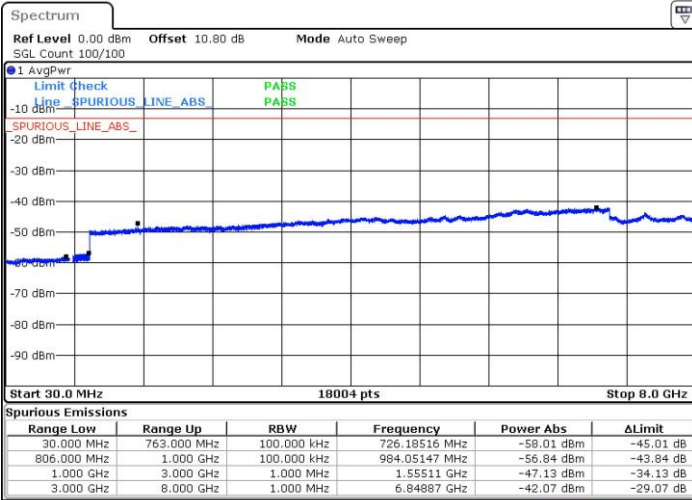
Date: 30 AUG 2018 07:30:09



LTE Band 13 / 5MHz

Lowest Channel / 64QAM

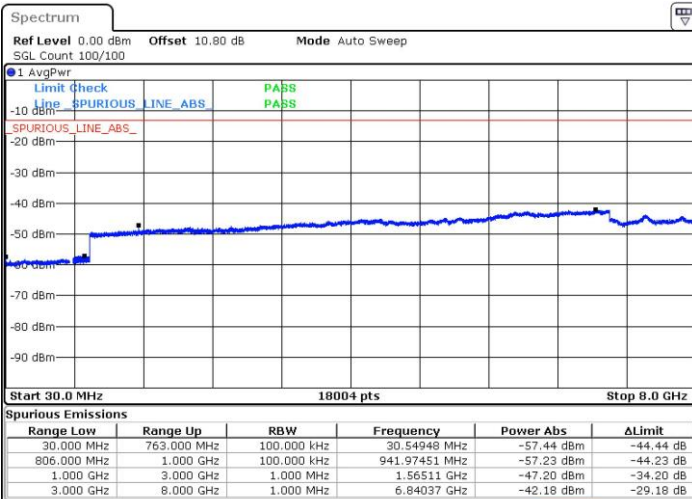
Middle Channel / 64QAM



Date: 14.NOV.2018 07:02:04

Date: 14.NOV.2018 07:03:05

Highest Channel / 64QAM

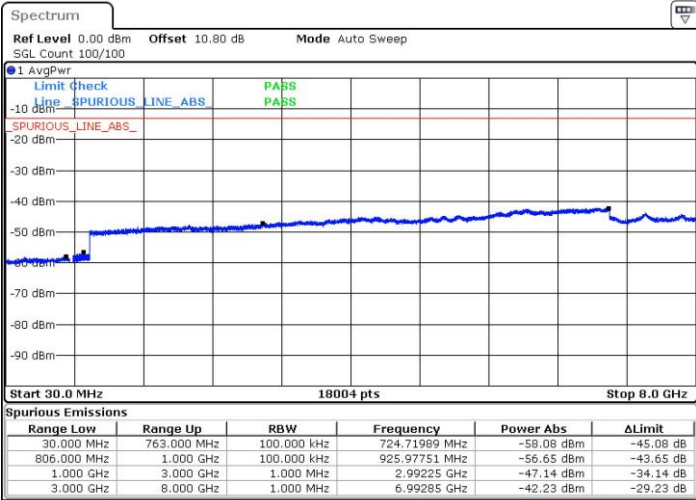


Date: 14.NOV.2018 07:08:11



LTE Band 13 / 10MHz

Middle Channel / 64QAM



Date: 14 NOV 2018 07:14:31



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	0.0001	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0087	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0100	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

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 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	3.19	4.61	4.41	5.65	PASS
Middle CH	3.07	4.61	4.46	5.8	
Highest CH	3.04	4.64	4.03	5.83	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.36	6.32	-	-	PASS
Middle CH	5.45	6.55	-	-	
Highest CH	5.36	6.41	-	-	



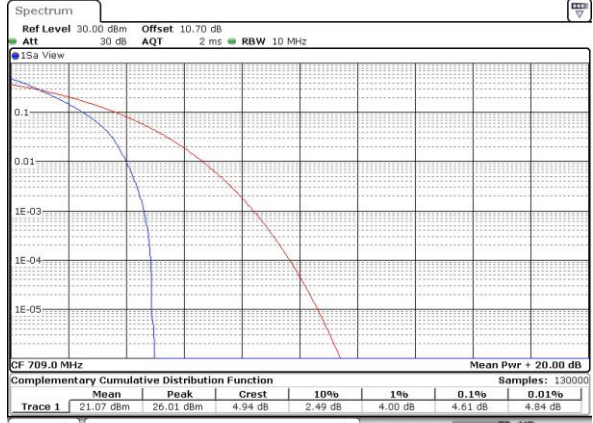
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



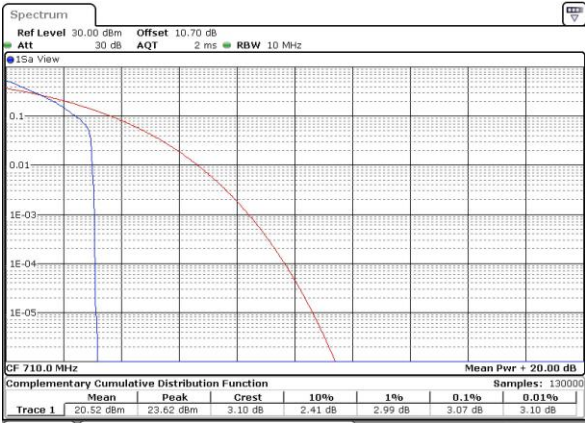
Date: 30 AUG 2018 11:37:17

Lowest Channel / Full RB



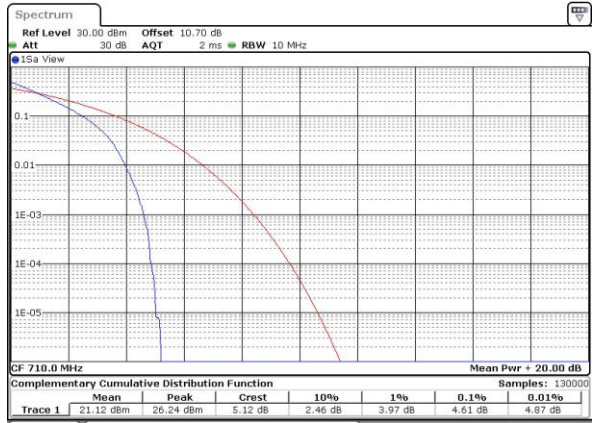
Date: 30 AUG 2018 11:37:29

Middle Channel / 1RB



Date: 30 AUG 2018 11:37:40

Middle Channel / Full RB



Date: 30 AUG 2018 11:37:52

Highest Channel / 1RB



Date: 30 AUG 2018 11:38:03

Highest Channel / Full RB

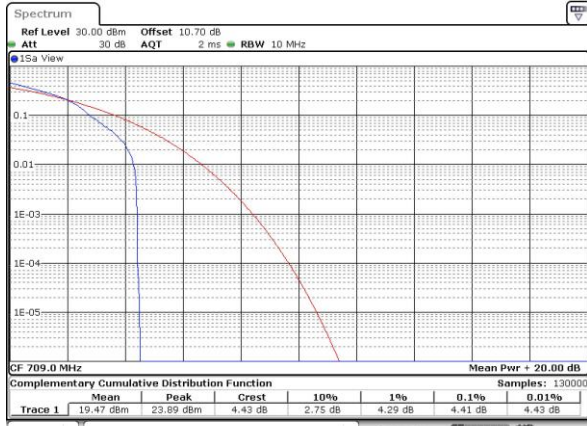


Date: 30 AUG 2018 11:38:13



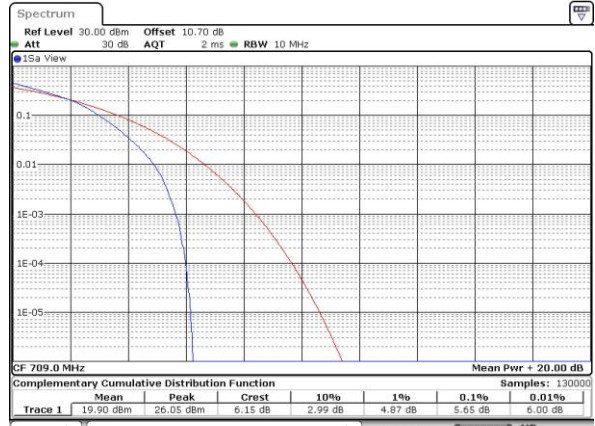
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



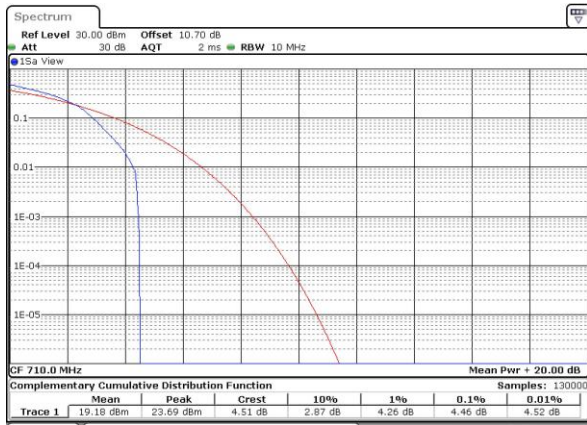
Date: 30 AUG 2018 09:45:36

Lowest Channel / Full RB



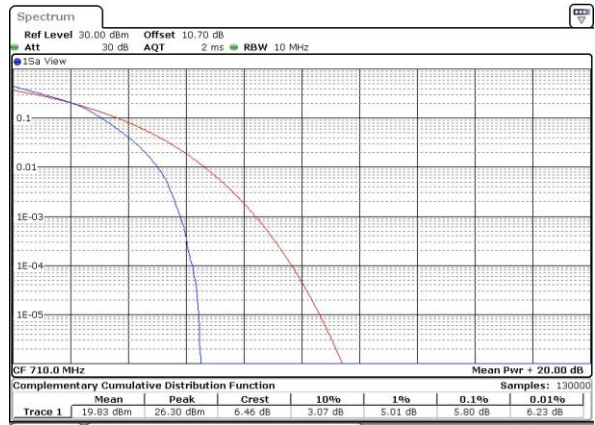
Date: 30 AUG 2018 09:46:06

Middle Channel / 1RB



Date: 30 AUG 2018 09:49:11

Middle Channel / Full RB



Date: 30 AUG 2018 09:49:24

Highest Channel / 1RB



Date: 30 AUG 2018 11:35:48

Highest Channel / Full RB

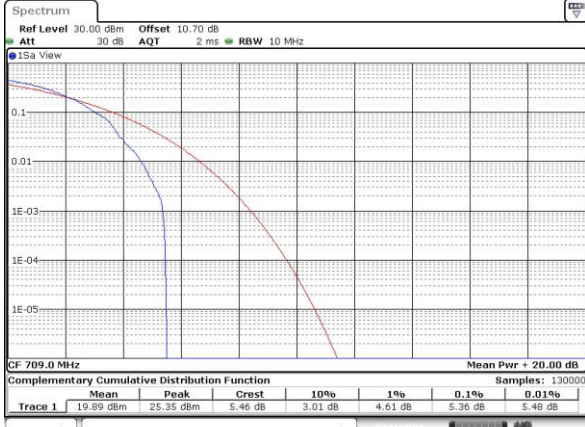


Date: 30 AUG 2018 11:37:06



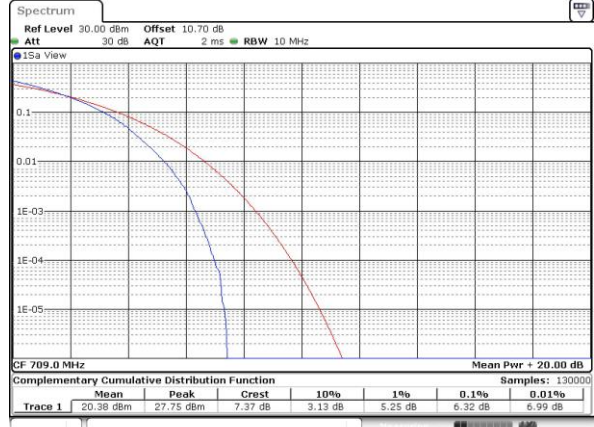
LTE Band 17 / 10MHz / 64QAM

Lowest Channel / 1RB



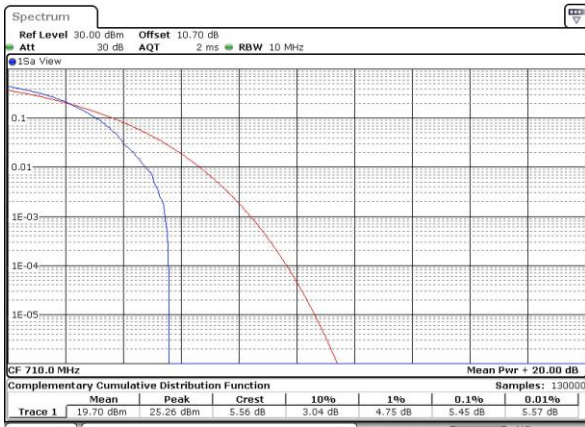
Date: 14 NOV 2018 23:20:45

Lowest Channel / Full RB



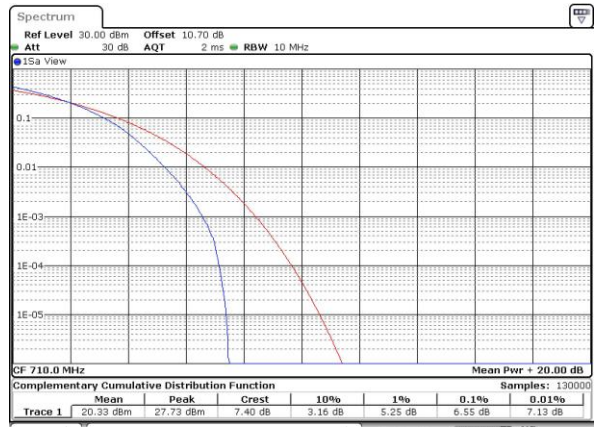
Date: 14 NOV 2018 23:20:59

Middle Channel / 1RB



Date: 14 NOV 2018 23:21:11

Middle Channel / Full RB



Date: 14 NOV 2018 23:21:22

Highest Channel / 1RB



Date: 14 NOV 2018 23:21:34

Highest Channel / Full RB



Date: 14 NOV 2018 23:21:46



26dB Bandwidth

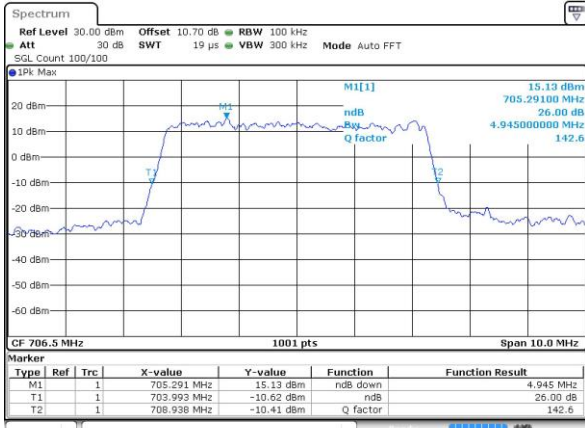
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.95	4.89	9.79	9.71	-	-	-	-
Middle CH	-	-	-	-	4.94	4.90	9.89	9.81	-	-	-	-
Highest CH	-	-	-	-	4.89	4.84	9.85	9.85	-	-	-	-

Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.85	-	9.85	-	-	-	-	-
Middle CH	-	-	-	-	4.93	-	9.91	-	-	-	-	-
Highest CH	-	-	-	-	4.92	-	9.69	-	-	-	-	-



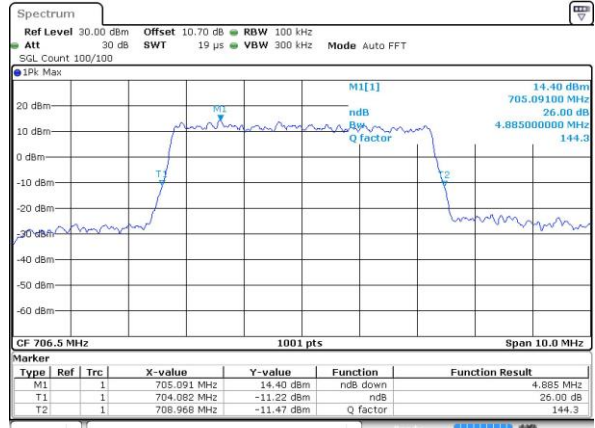
LTE Band 17

Lowest Channel / 5MHz / QPSK



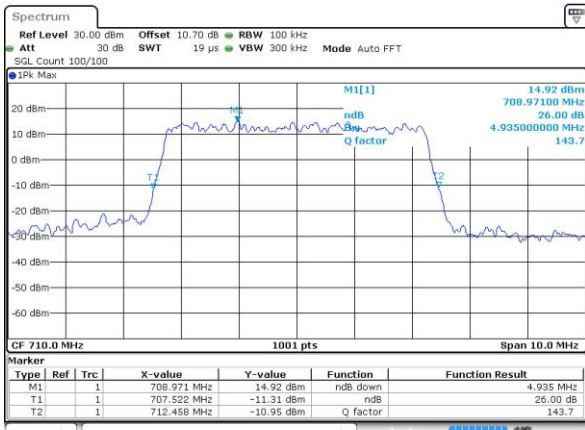
Date: 30 AUG 2018 08:54:13

Lowest Channel / 5MHz / 16QAM



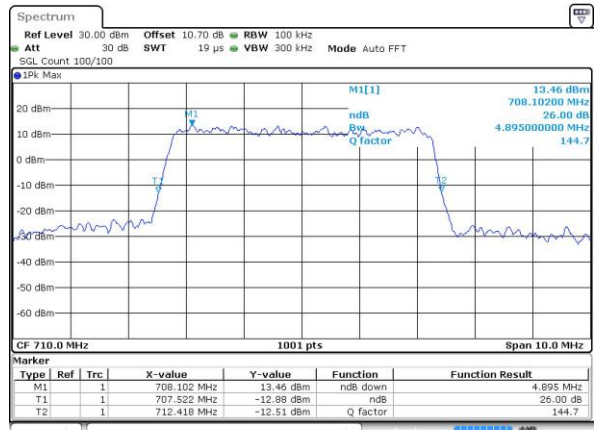
Date: 30 AUG 2018 08:54:25

Middle Channel / 5MHz / QPSK



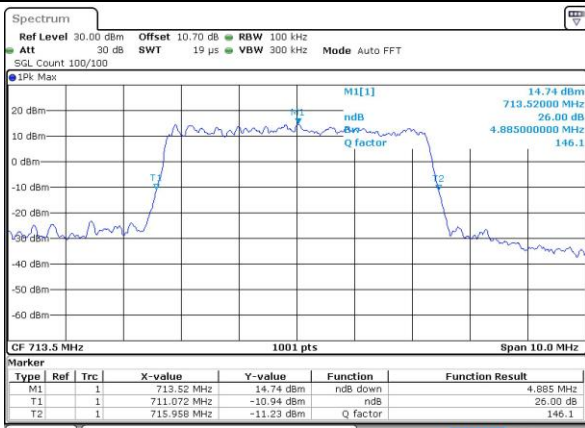
Date: 30 AUG 2018 09:00:40

Middle Channel / 5MHz / 16QAM



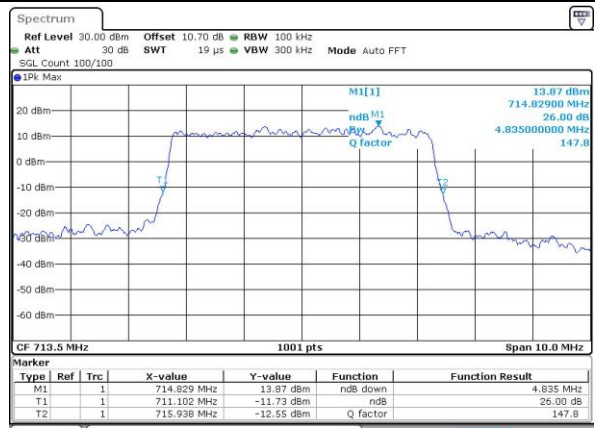
Date: 30 AUG 2018 09:00:51

Highest Channel / 5MHz / QPSK



Date: 30 AUG 2018 09:03:06

Highest Channel / 5MHz / 16QAM

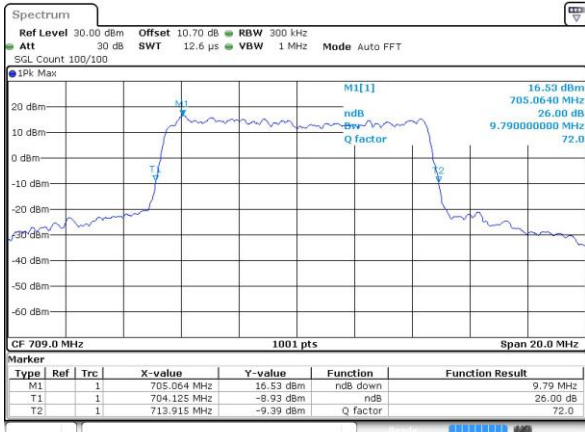


Date: 30 AUG 2018 09:03:17



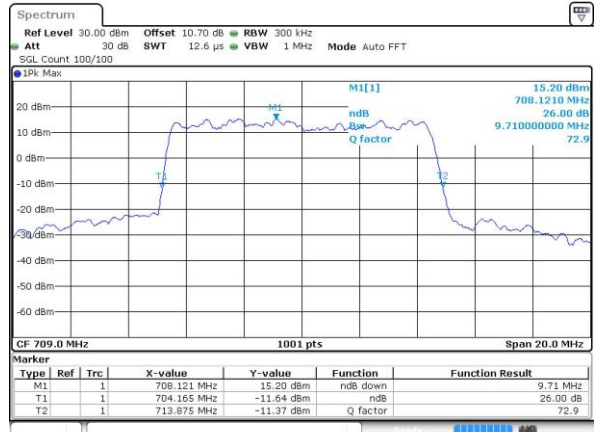
LTE Band 17

Lowest Channel / 10MHz / QPSK



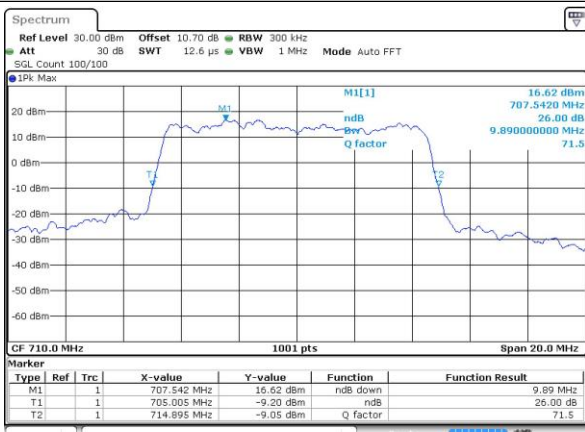
Date: 30 AUG 2018 09:09:32

Lowest Channel / 10MHz / 16QAM



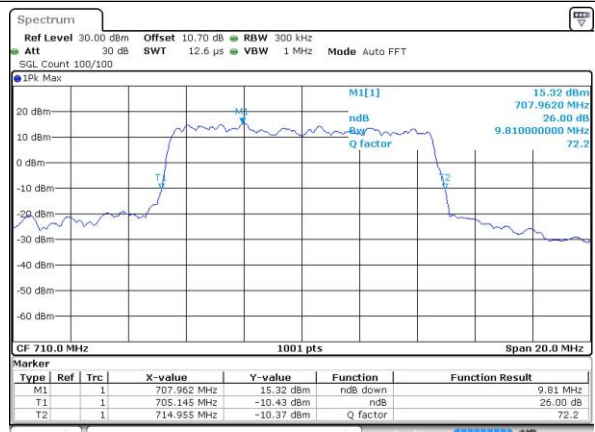
Date: 30 AUG 2018 09:09:43

Middle Channel / 10MHz / QPSK



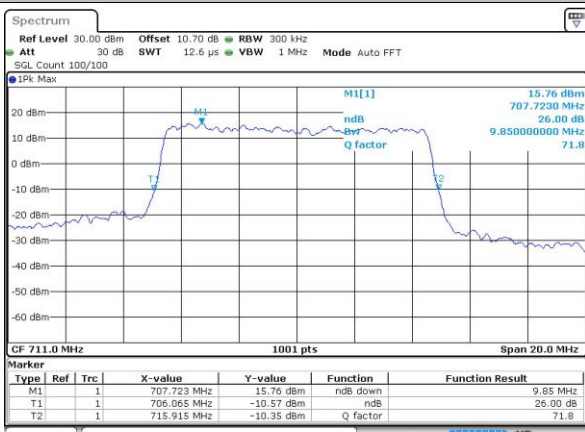
Date: 30 AUG 2018 09:15:58

Middle Channel / 10MHz / 16QAM



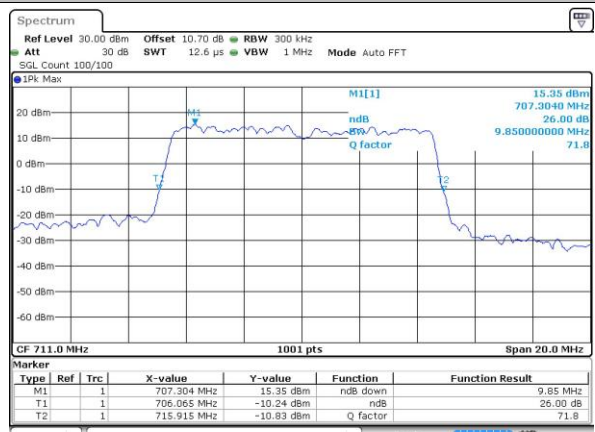
Date: 30 AUG 2018 09:16:10

Highest Channel / 10MHz / QPSK



Date: 30 AUG 2018 09:18:24

Highest Channel / 10MHz / 16QAM

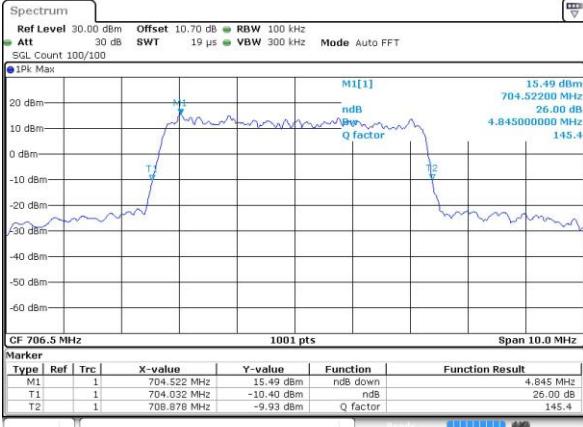


Date: 30 AUG 2018 09:18:36



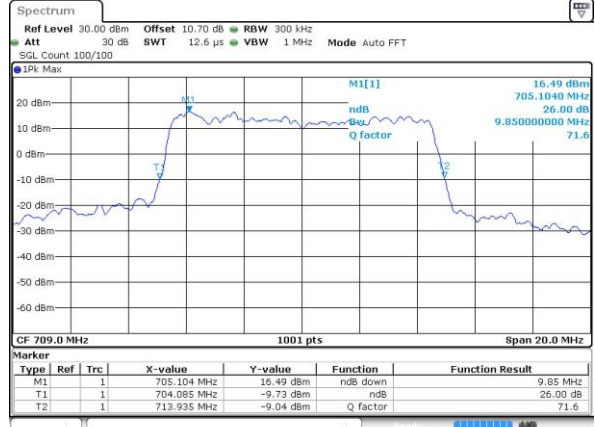
LTE Band 17

Lowest Channel / 5MHz / 64QAM



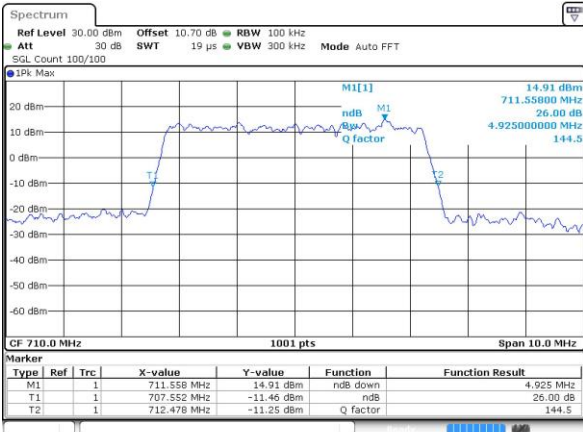
Date: 14 NOV 2018 23:00:08

Lowest Channel / 10MHz / 64QAM



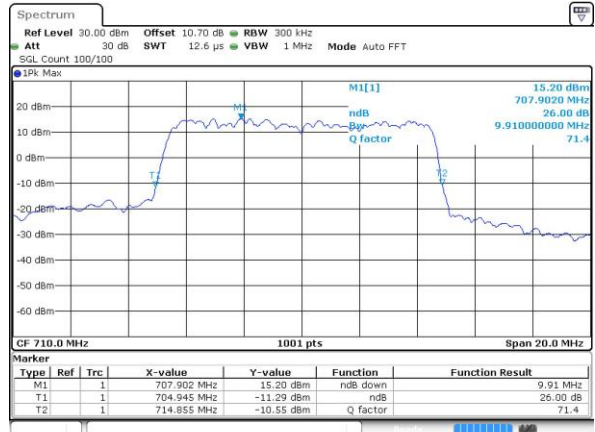
Date: 14 NOV 2018 23:08:20

Middle Channel / 5MHz / 64QAM



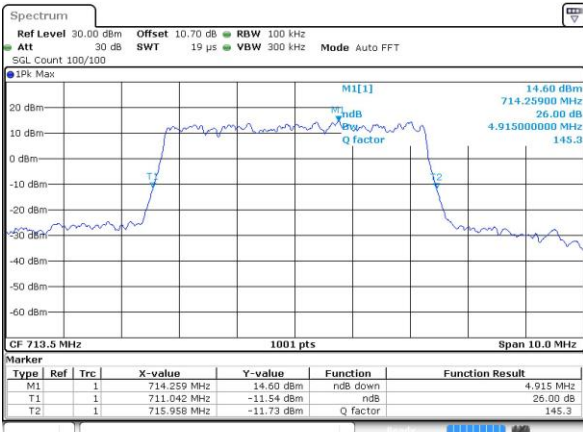
Date: 14 NOV 2018 23:03:32

Middle Channel / 10MHz / 64QAM



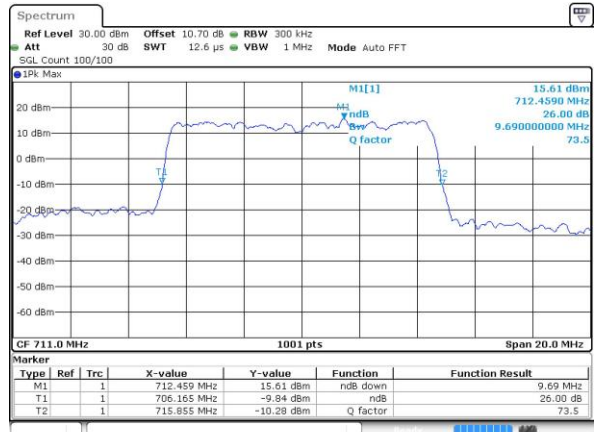
Date: 14 NOV 2018 23:11:43

Highest Channel / 5MHz / 64QAM



Date: 14 NOV 2018 23:04:56

Highest Channel / 10MHz / 64QAM



Date: 14 NOV 2018 23:13:08