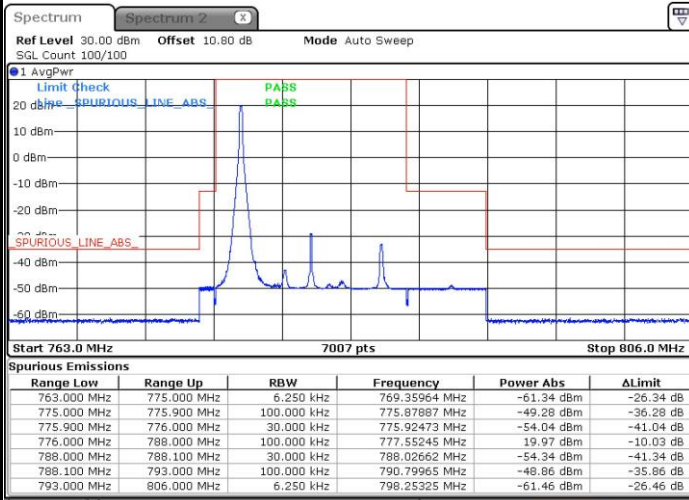


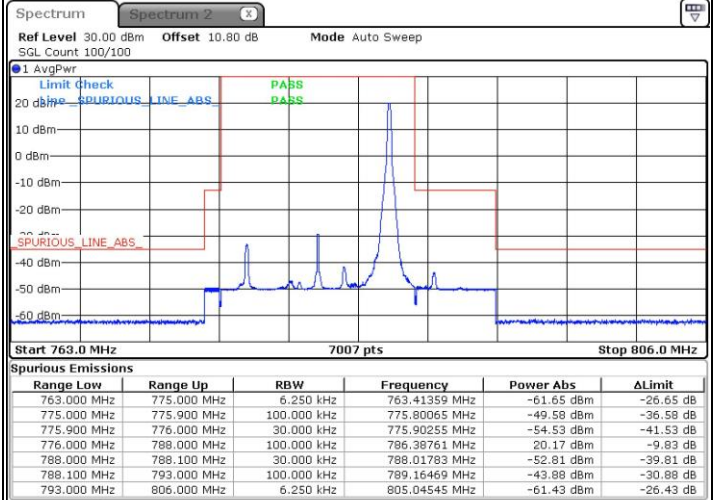


LTE Band 13 / 10MHz / 16QAM

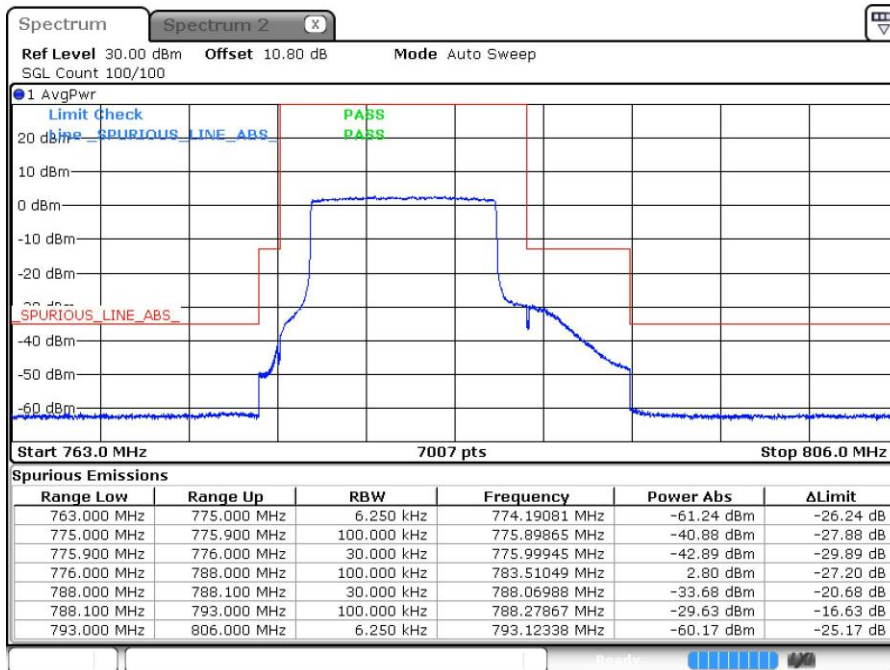
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



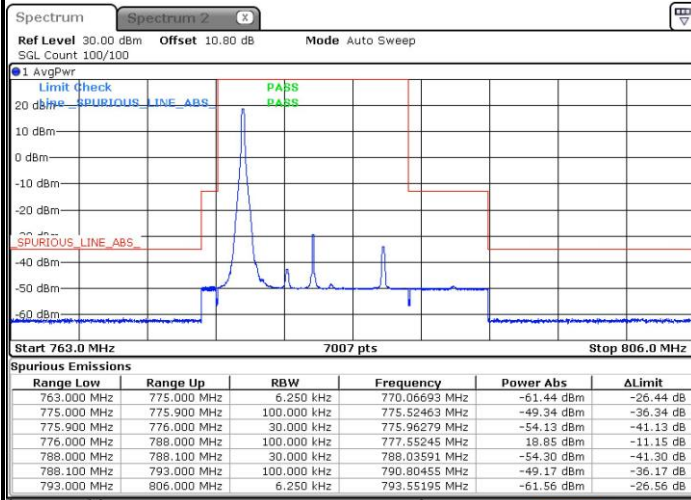
Band Edge / Full RB



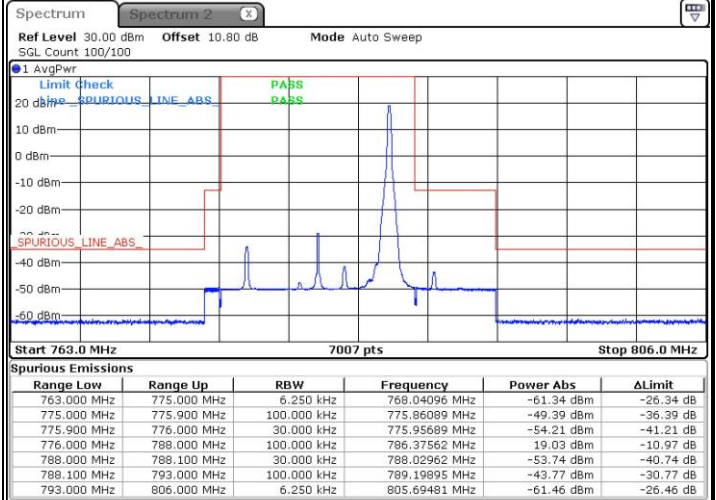


LTE Band 13 / 10MHz / 64QAM

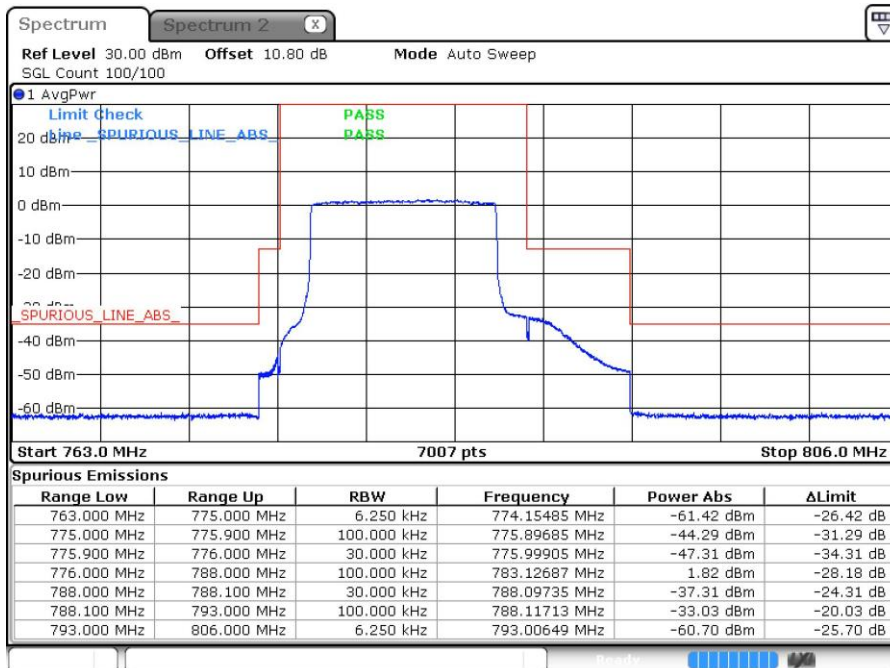
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



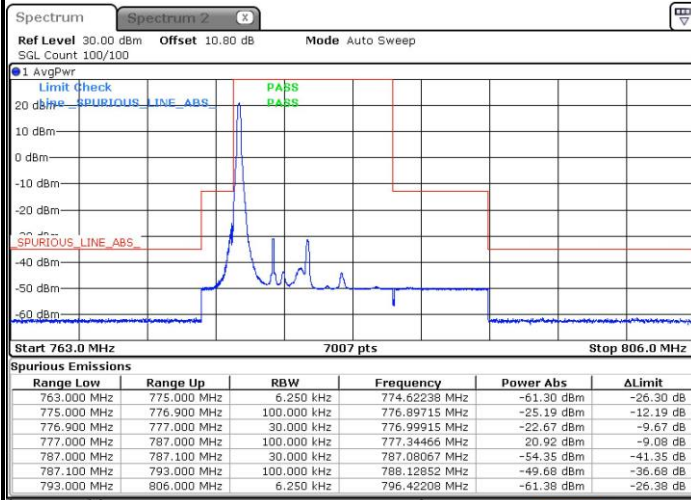
Band Edge / Full RB



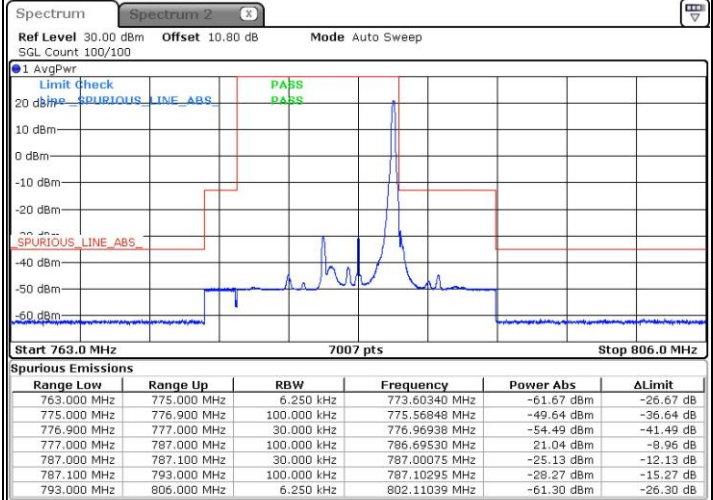


IC LTE Band 13 / 5MHz / QPSK

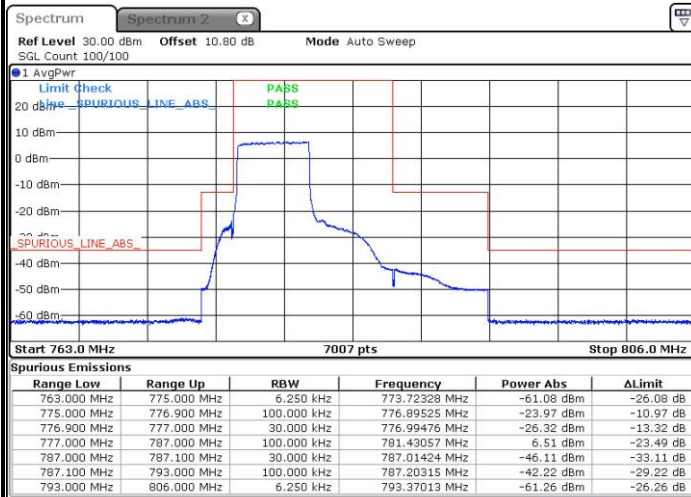
Lowest Band Edge / 1 RB



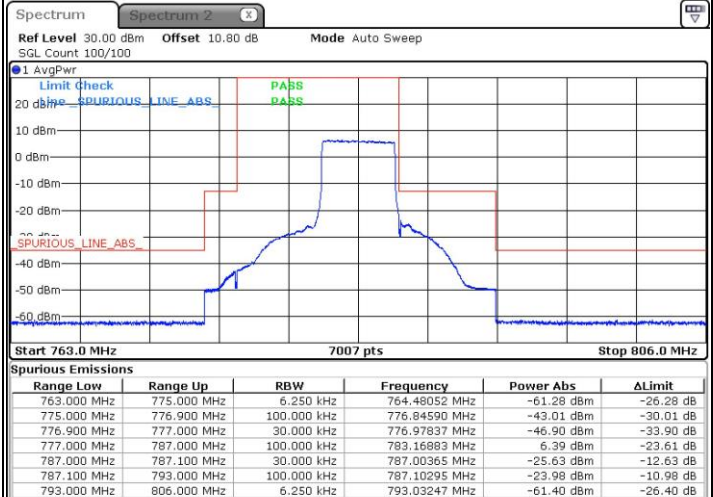
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



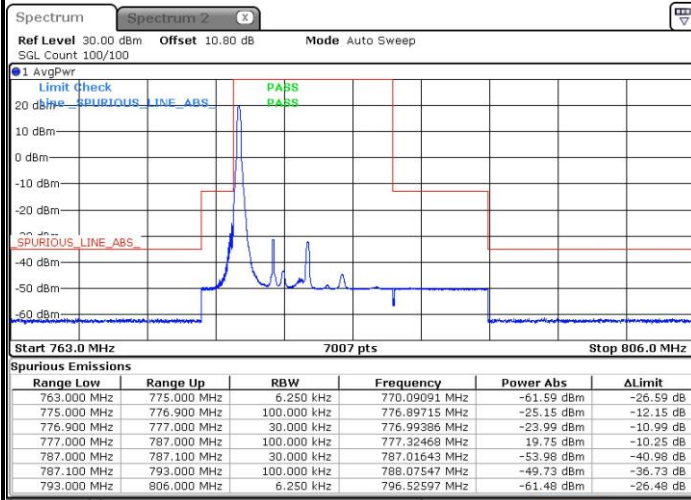
Highest Band Edge / Full RB



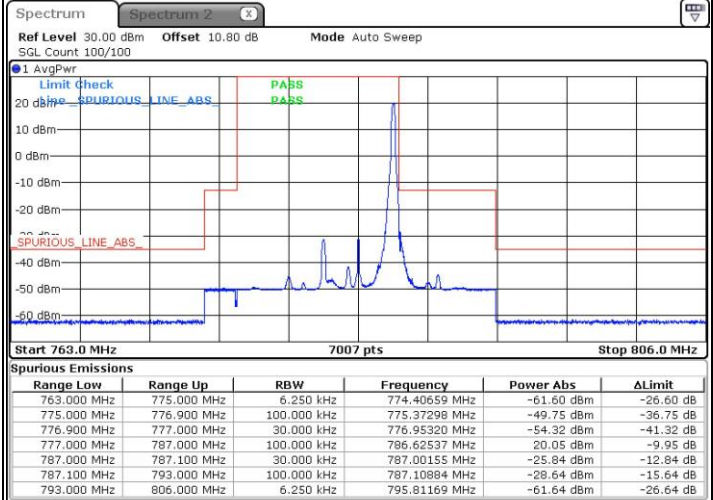


IC LTE Band 13 / 5MHz / 16QAM

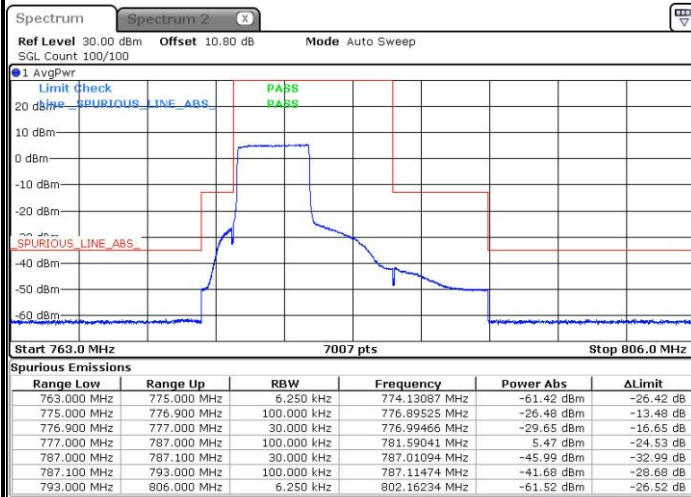
Lowest Band Edge / 1 RB



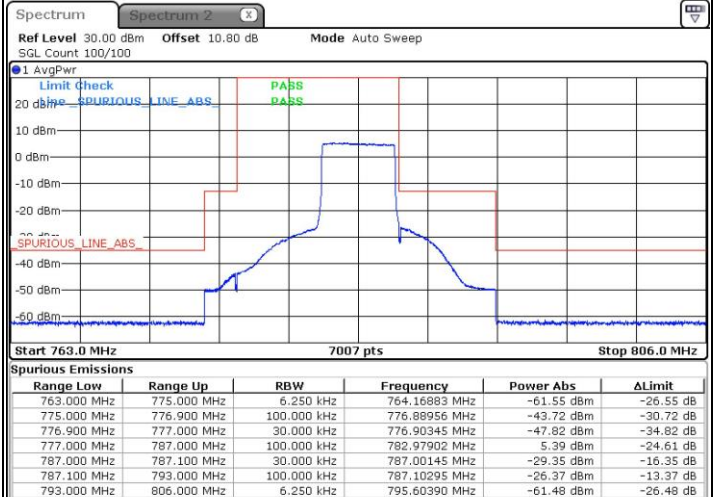
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



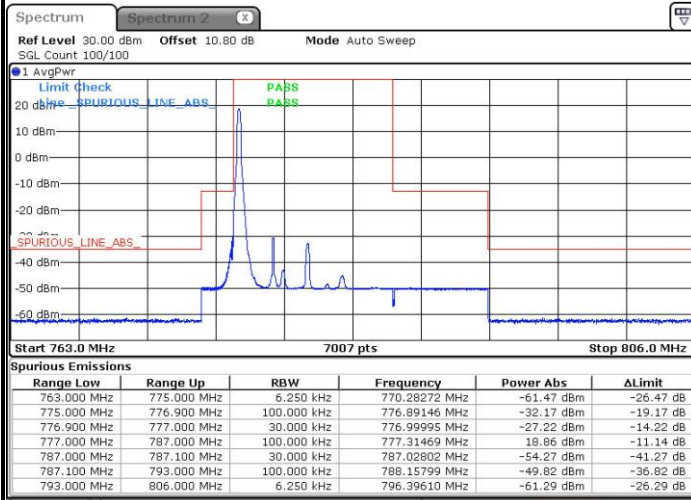
Highest Band Edge / Full RB





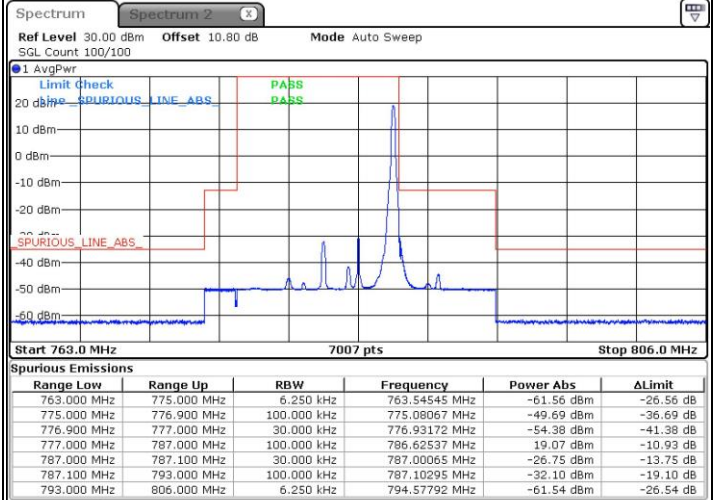
IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



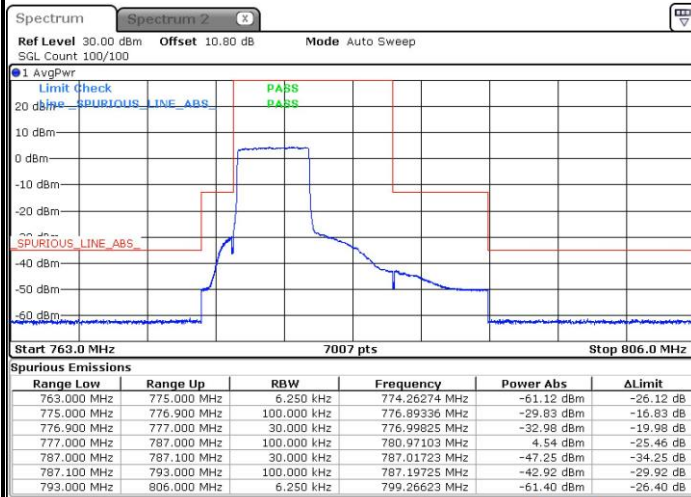
Date: 2.OCT.2018 06:35:42

Highest Band Edge / 1 RB



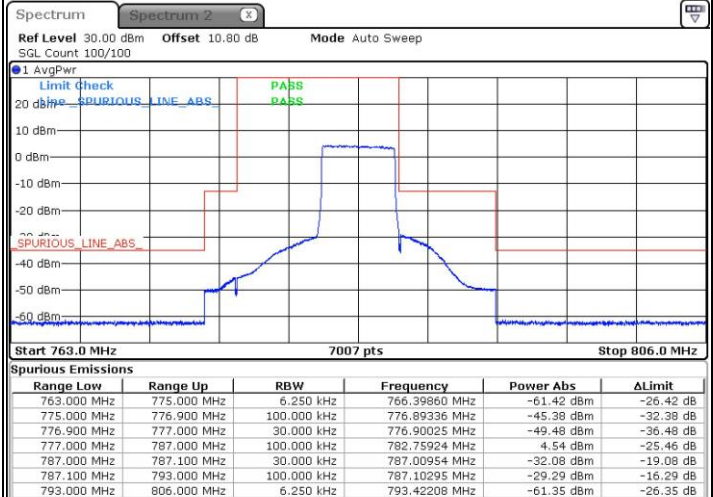
Date: 2.OCT.2018 06:39:03

Lowest Band Edge / Full RB



Date: 2.OCT.2018 06:34:02

Highest Band Edge / Full RB

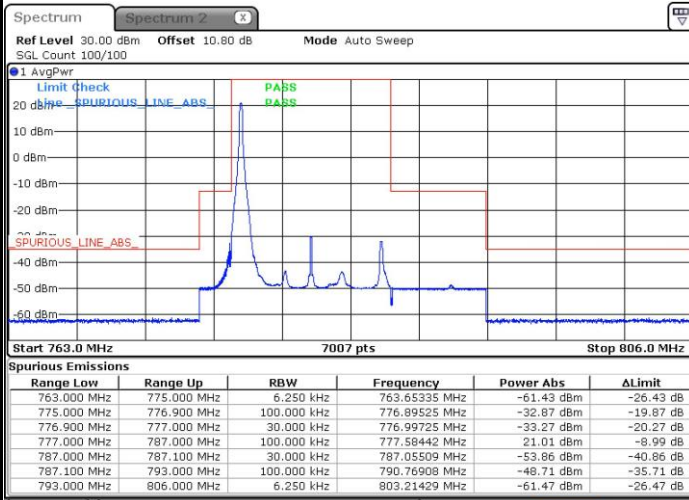


Date: 2.OCT.2018 06:37:23

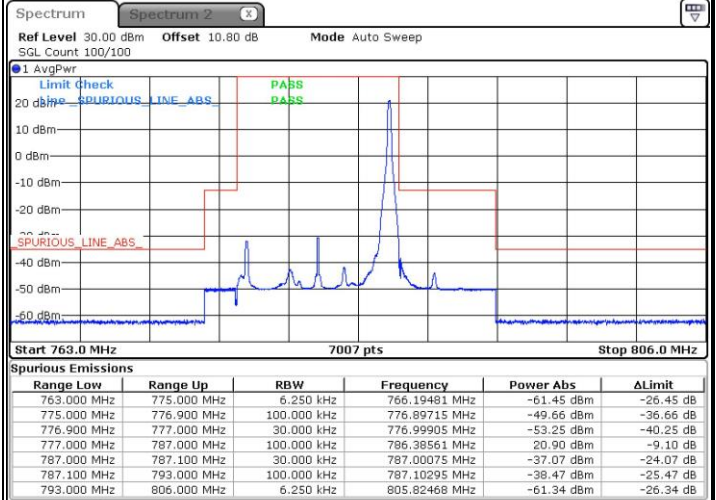


IC LTE Band 13 / 10MHz / QPSK

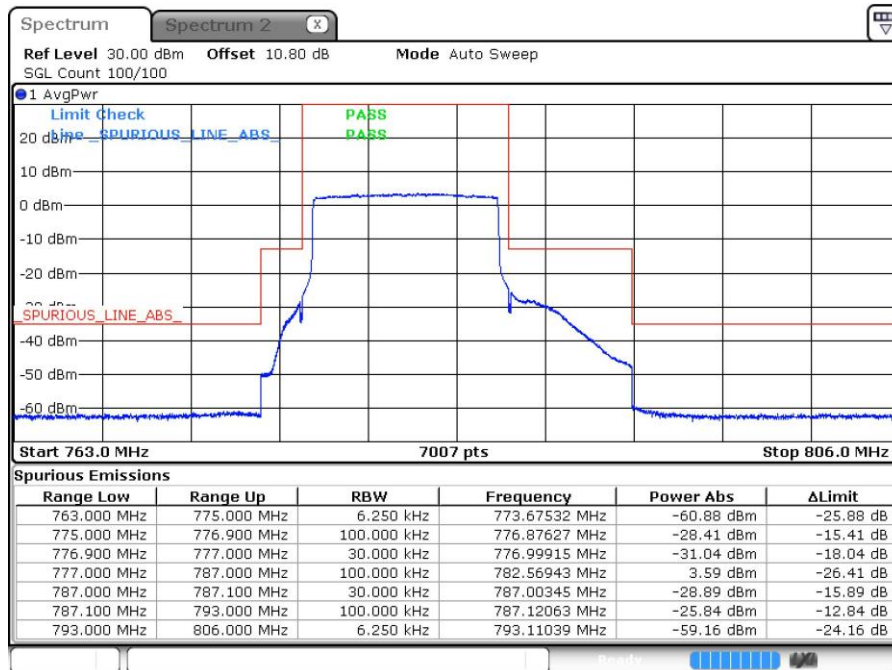
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



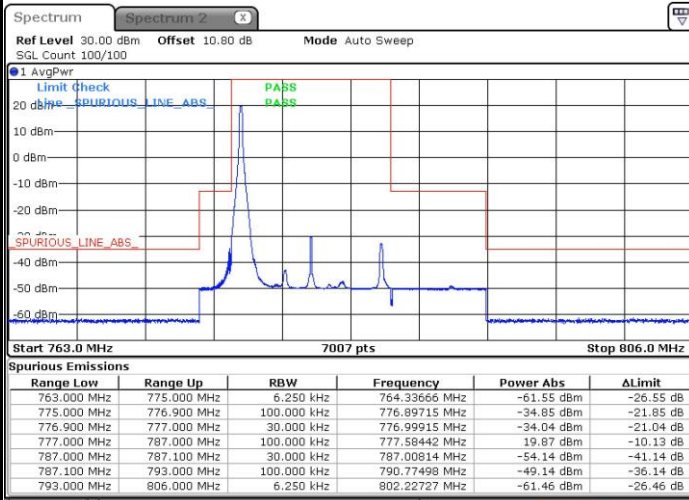
Band Edge / Full RB





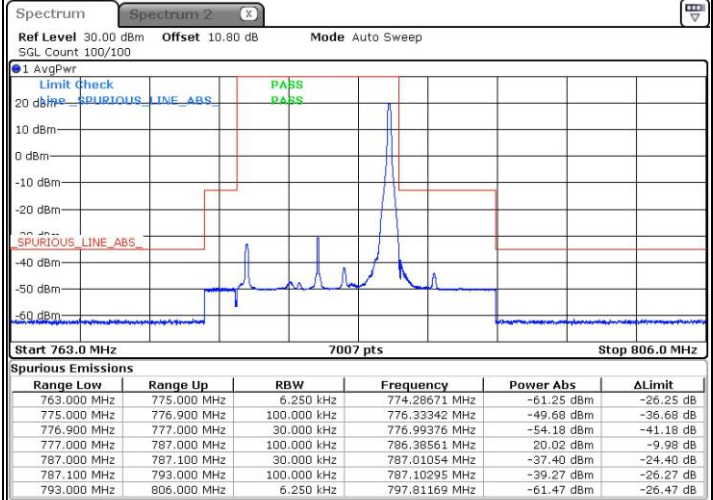
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



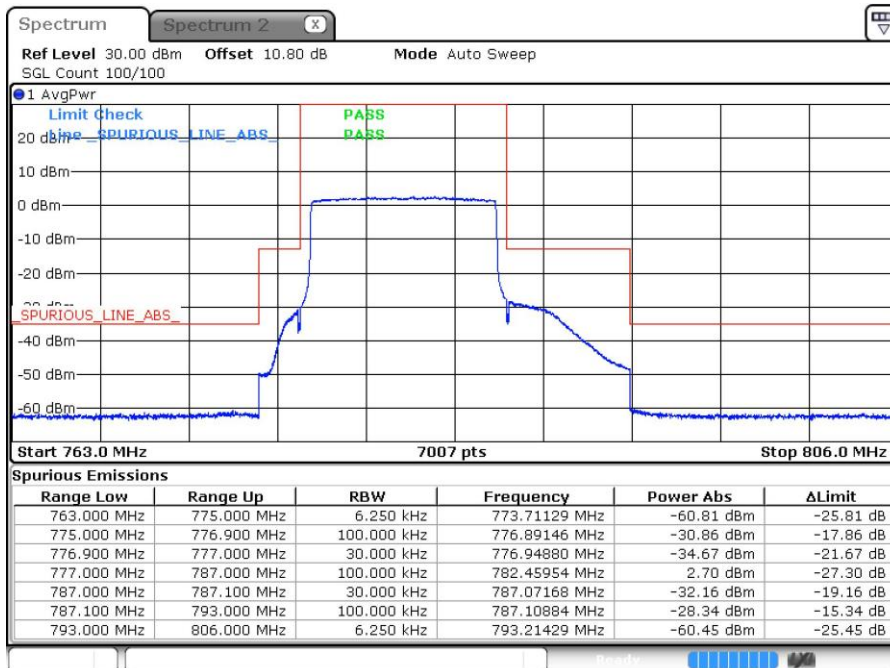
Date: 2.OCT.2018 06:49:05

Highest Band Edge / 1 RB



Date: 2.OCT.2018 06:54:06

Band Edge / Full RB

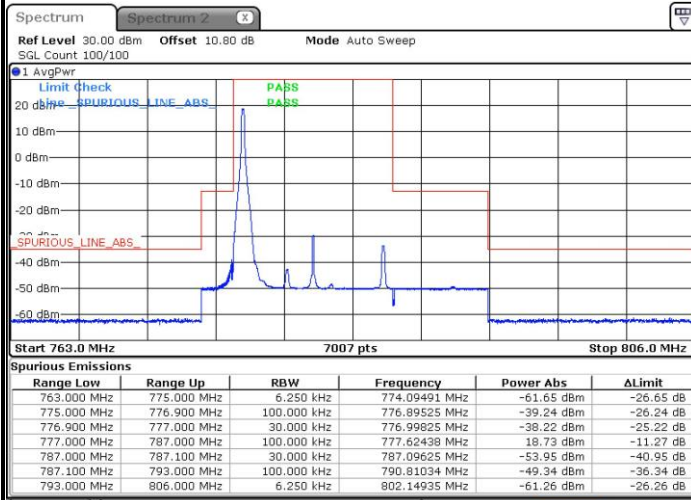


Date: 2.OCT.2018 06:47:25

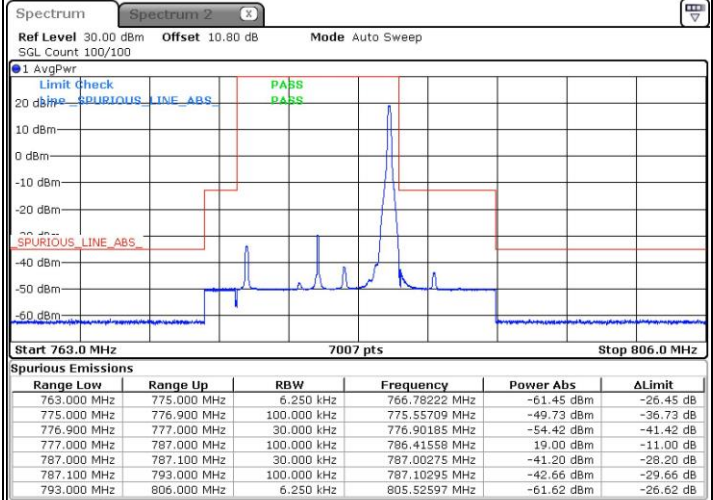


IC LTE Band 13 / 10MHz / 64QAM

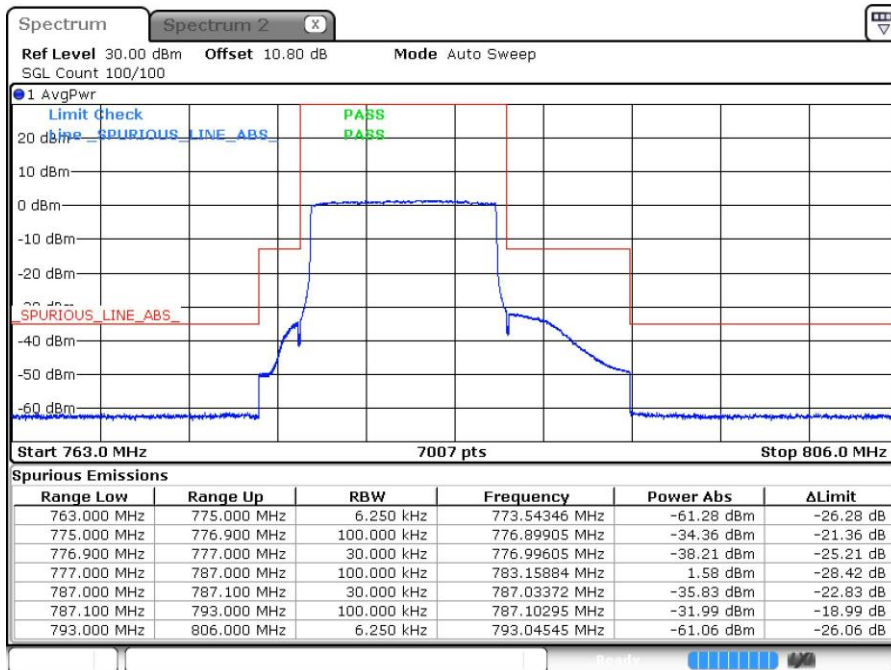
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Band Edge / Full RB

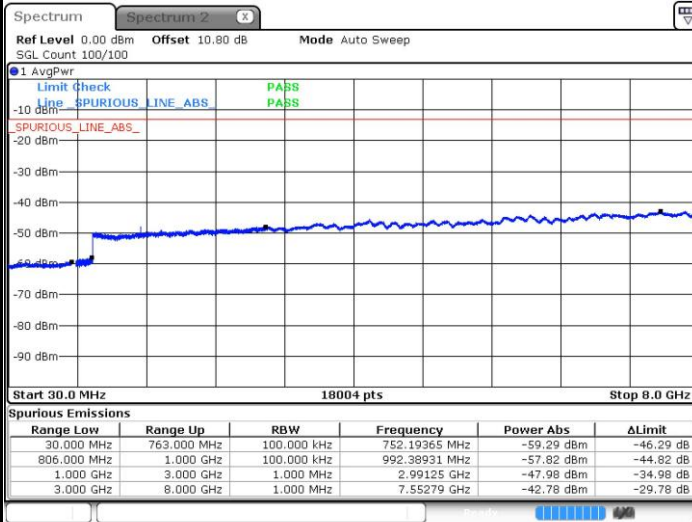




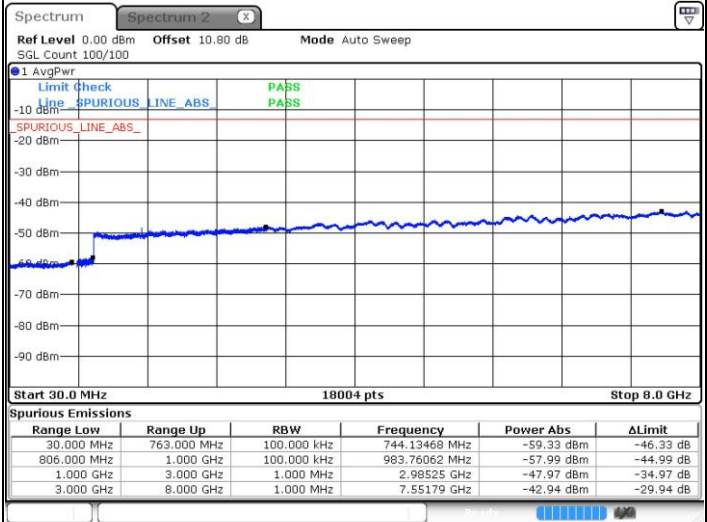
Conducted Spurious Emission

LTE Band 13 / 5MHz

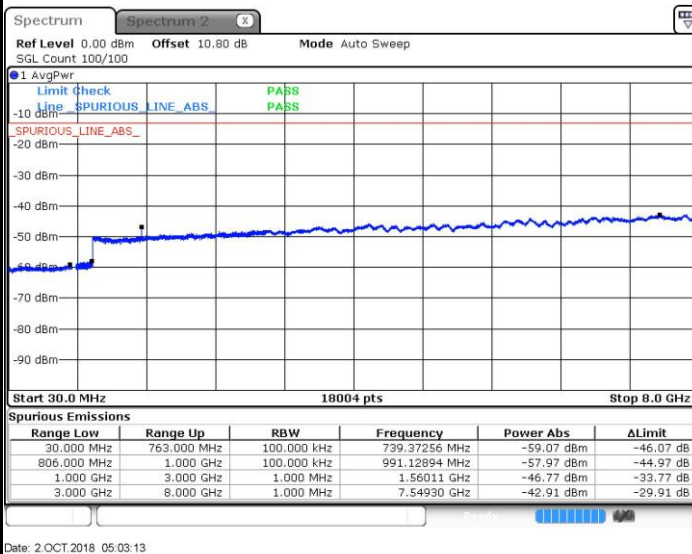
Lowest Channel / QPSK



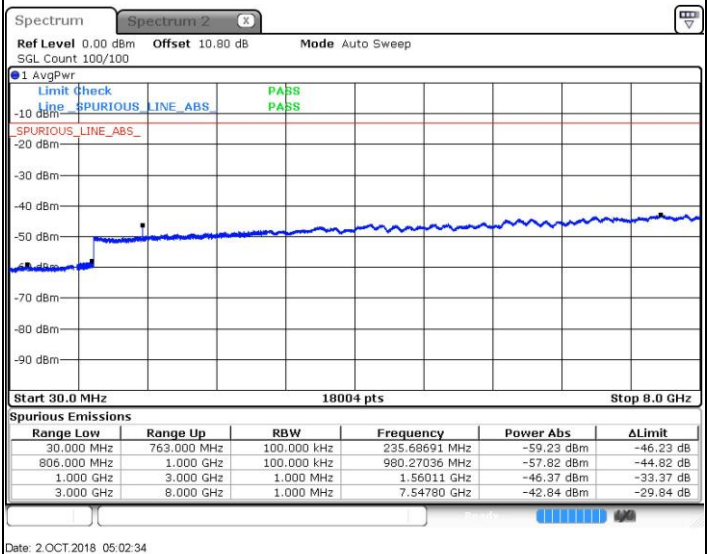
Lowest Channel / 16QAM



Middle Channel / QPSK



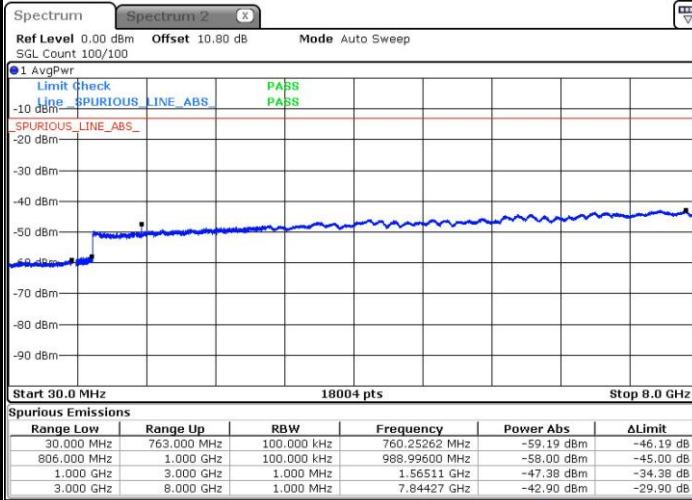
Middle Channel / 16QAM





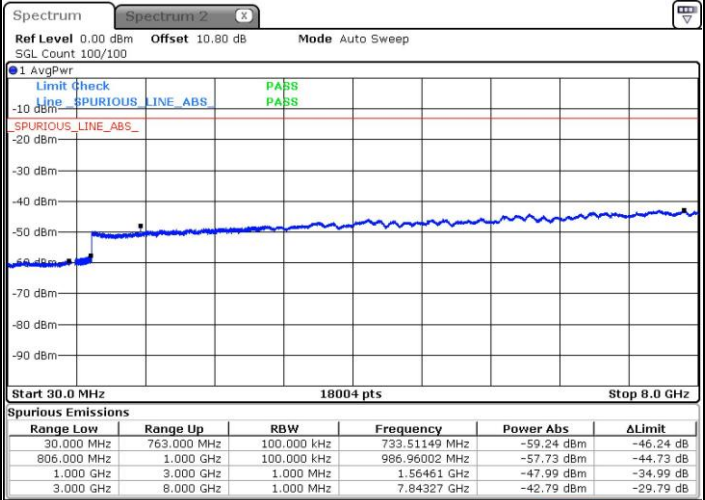
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 2.OCT.2018 05:12:06

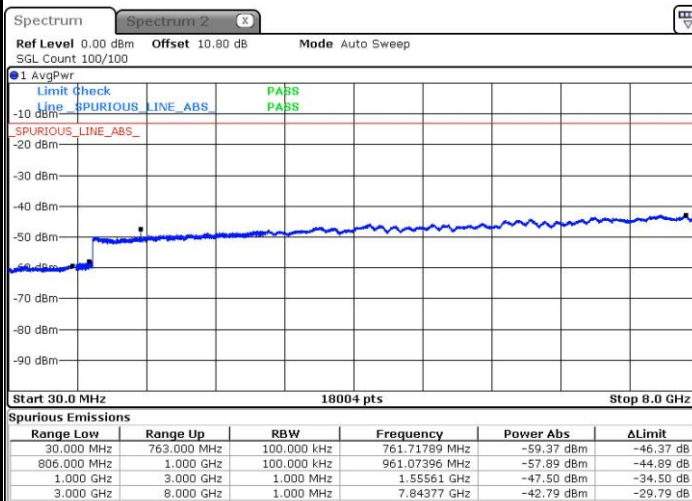
Highest Channel / 16QAM



Date: 2.OCT.2018 05:12:46

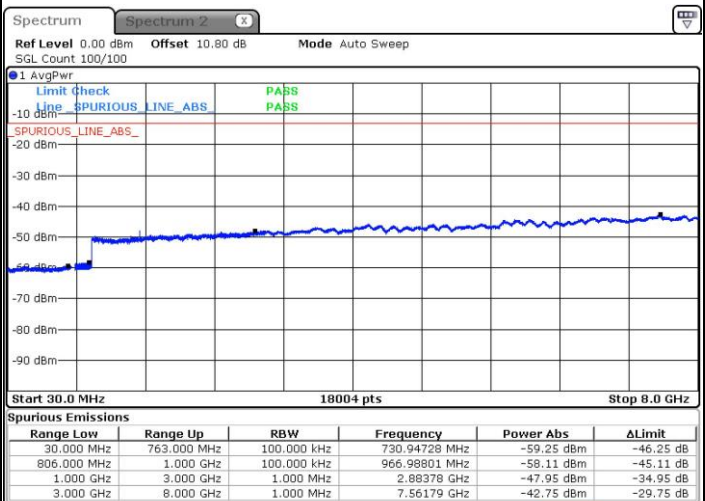
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 2.OCT.2018 05:34:45

Middle Channel / 16QAM

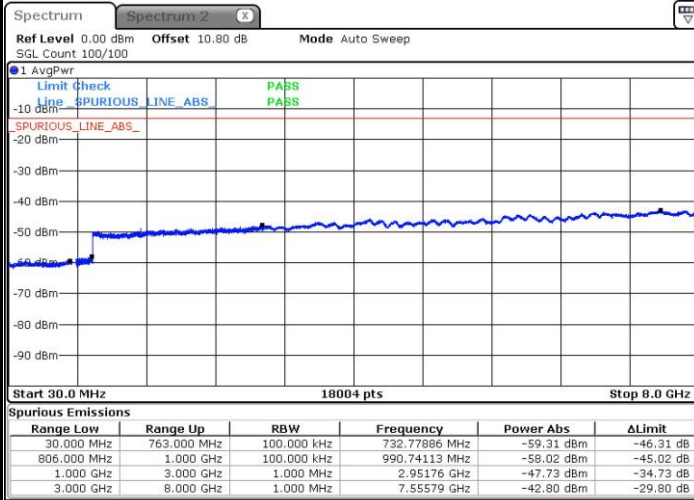


Date: 2.OCT.2018 05:34:05



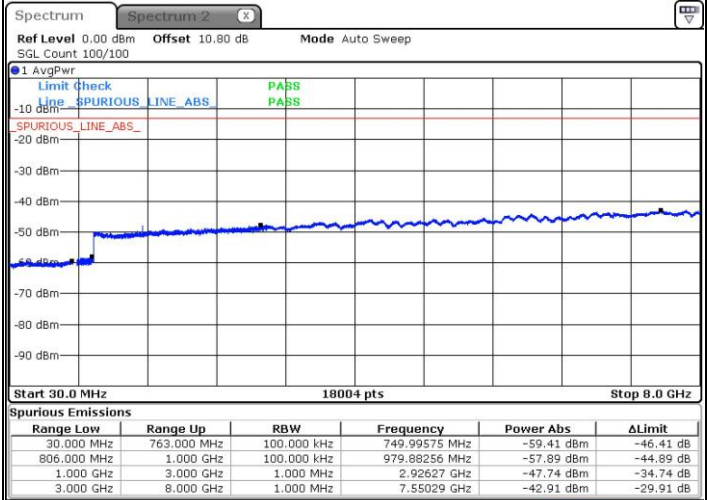
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



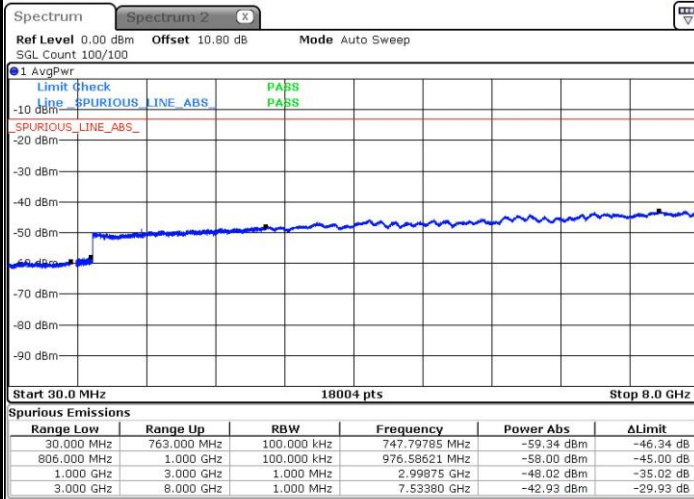
Date: 2.OCT.2018 05:17:10

Middle Channel / 64QAM



Date: 2.OCT.2018 05:17:50

Highest Channel / 64QAM

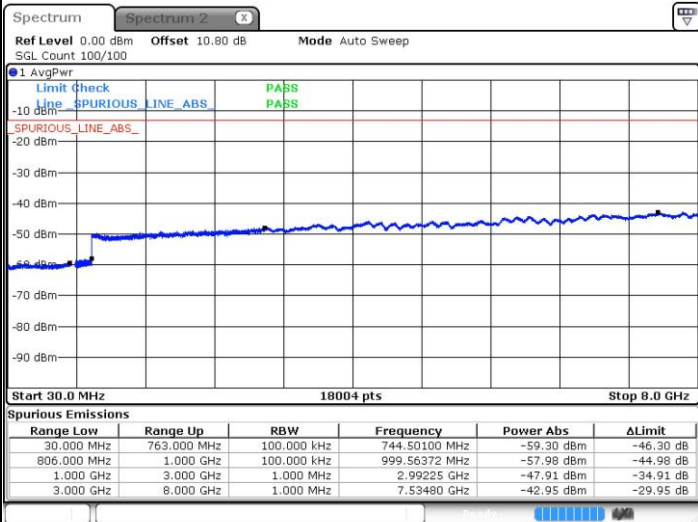


Date: 2.OCT.2018 05:22:37



LTE Band 13 / 10MHz

Middle Channel / 64QAM



Date: 2.OCT.2018 05:40:49

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	0.0110	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0058	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0101	
-10	Normal Voltage	0.0114	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0084	
20	Maximum Voltage	0.0059	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0116	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 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	3.3	4.64	4.46	5.88	PASS
Middle CH	3.22	4.78	4.72	5.88	
Highest CH	3.22	4.78	4.41	5.97	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.06	6.38	-	-	PASS
Middle CH	5.88	6.46	-	-	
Highest CH	5.51	6.55	-	-	

LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



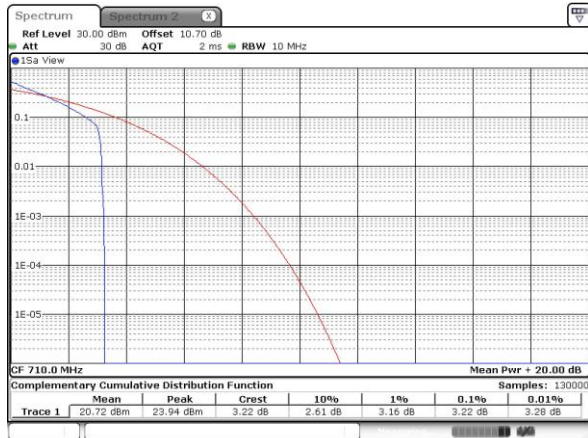
Date: 2.OCT.2018 01:18:10

Lowest Channel / Full RB



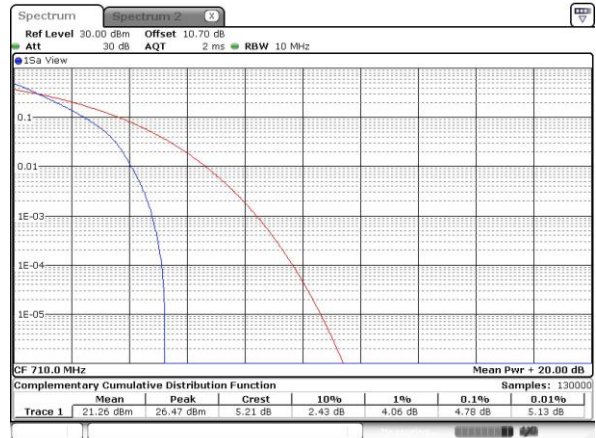
Date: 2.OCT.2018 01:18:21

Middle Channel / 1RB



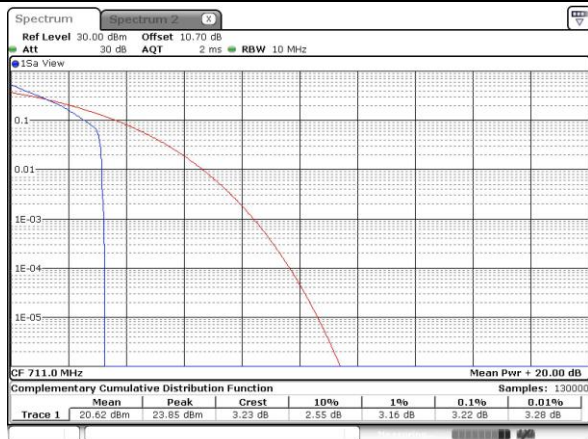
Date: 2.OCT.2018 01:18:34

Middle Channel / Full RB



Date: 2.OCT.2018 01:18:45

Highest Channel / 1RB



Date: 2.OCT.2018 01:18:56

Highest Channel / Full RB

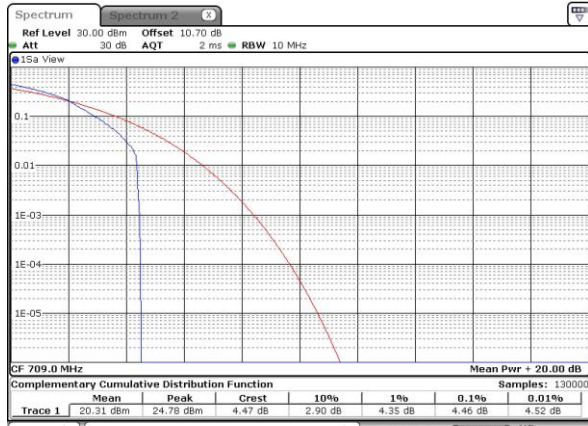


Date: 2.OCT.2018 01:19:08



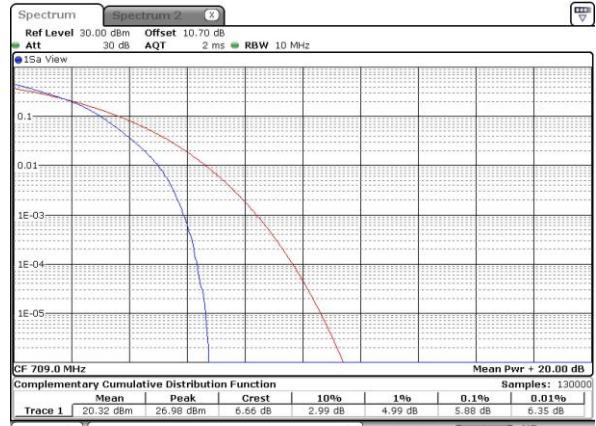
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



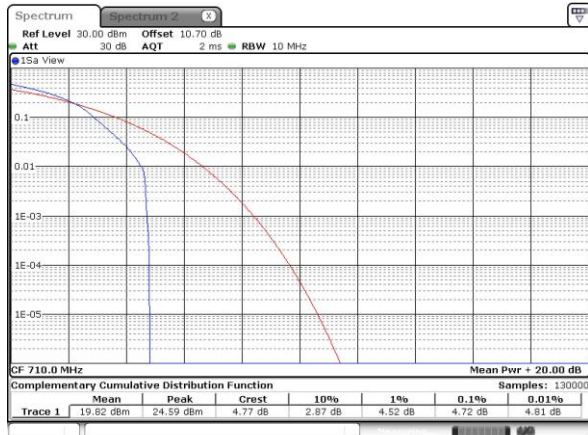
Date: 2.OCT.2018 01:17:05

Lowest Channel / Full RB



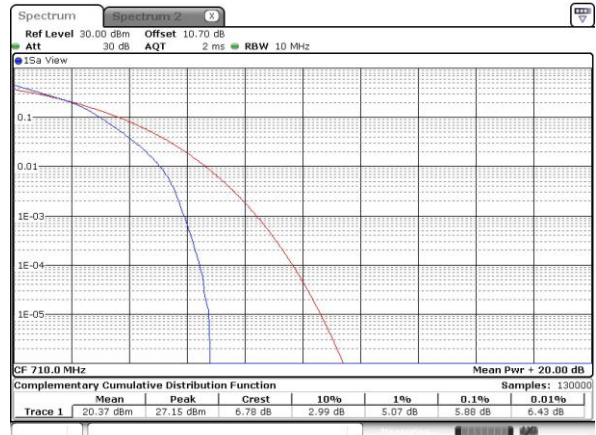
Date: 2.OCT.2018 01:17:16

Middle Channel / 1RB



Date: 2.OCT.2018 01:17:27

Middle Channel / Full RB



Date: 2.OCT.2018 01:17:38

Highest Channel / 1RB

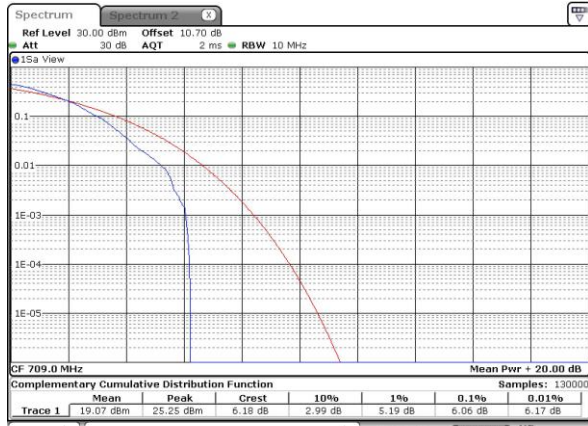


Date: 2.OCT.2018 01:17:48

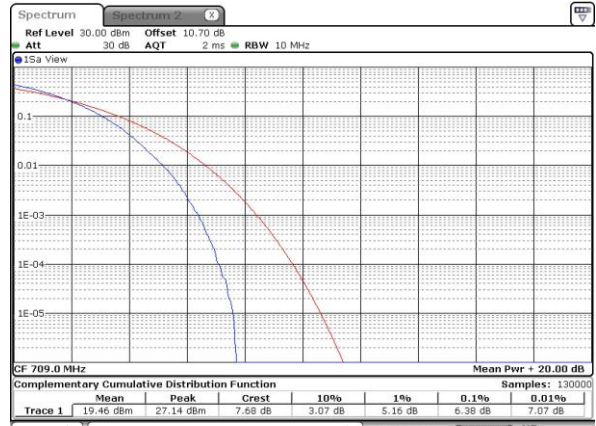
Highest Channel / Full RB



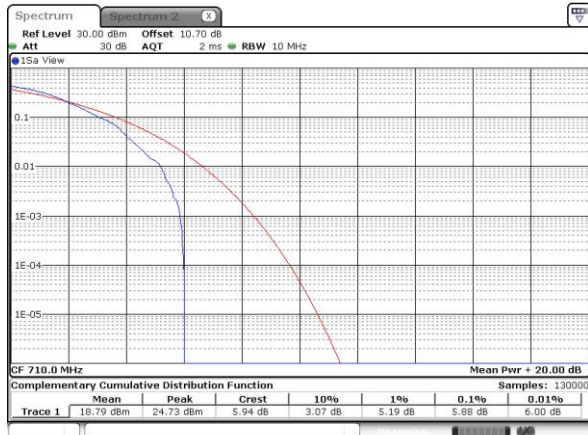
Date: 2.OCT.2018 01:17:59

LTE Band 17 / 10MHz / 64QAM
Lowest Channel / 1RB


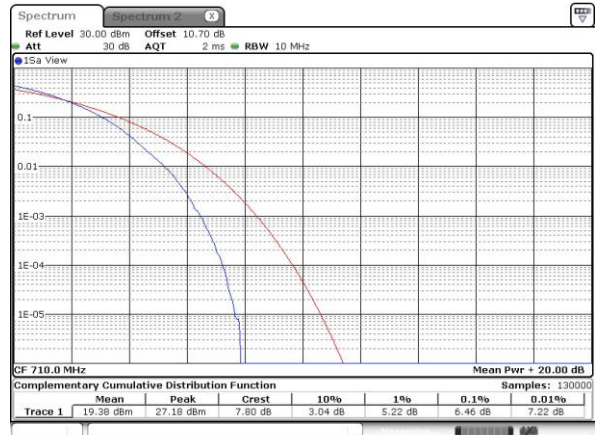
Date: 2.OCT.2018 01:15:55

Lowest Channel / Full RB


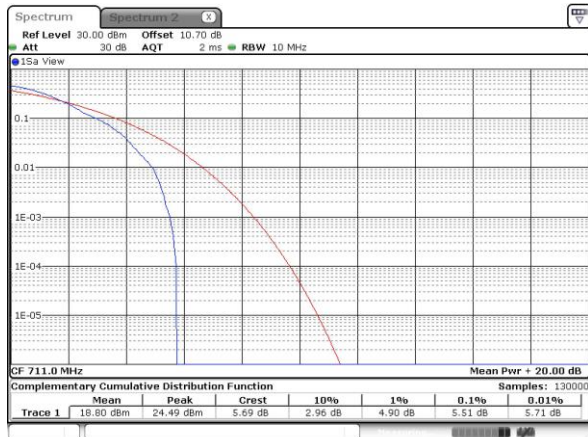
Date: 2.OCT.2018 01:16:08

Middle Channel / 1RB


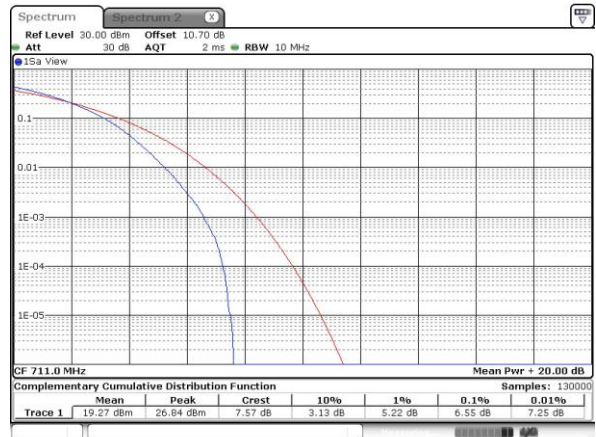
Date: 2.OCT.2018 01:16:19

Middle Channel / Full RB


Date: 2.OCT.2018 01:16:29

Highest Channel / 1RB


Date: 2.OCT.2018 01:16:41

Highest Channel / Full RB


Date: 2.OCT.2018 01:16:53

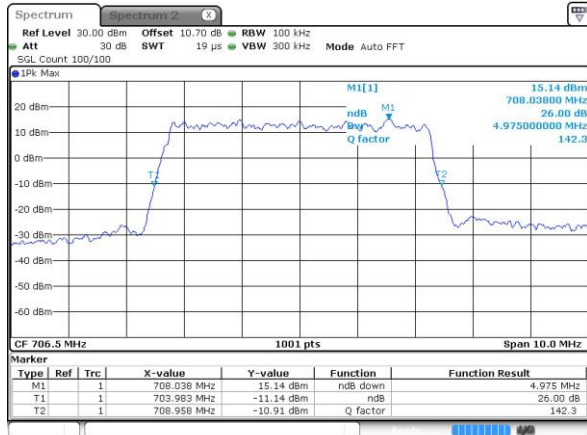
**26dB Bandwidth**

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	-	-	-	-	4.98	4.89	9.77	9.79	-	-	-	-
Middle CH	-	-	-	-	4.82	4.91	9.87	9.67	-	-	-	-
Highest CH	-	-	-	-	4.90	4.90	9.79	9.81	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.88	-	9.79	-	-	-	-	-
Middle CH	-	-	-	-	4.91	-	9.67	-	-	-	-	-
Highest CH	-	-	-	-	4.88	-	9.81	-	-	-	-	-



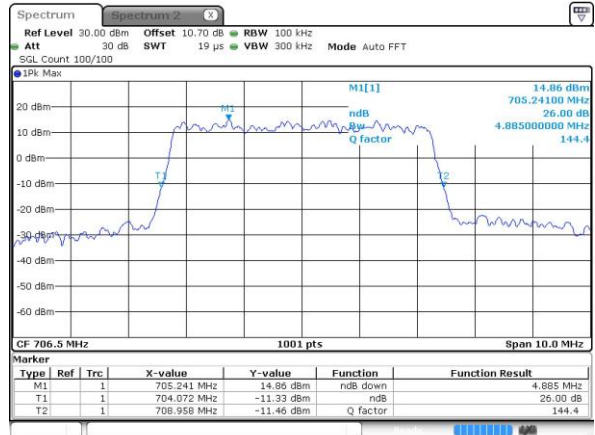
LTE Band 17

Lowest Channel / 5MHz / QPSK



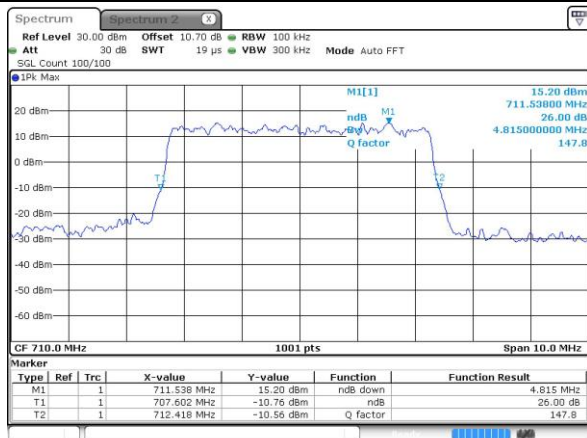
Date: 2.OCT.2018 01:33:39

Lowest Channel / 5MHz / 16QAM



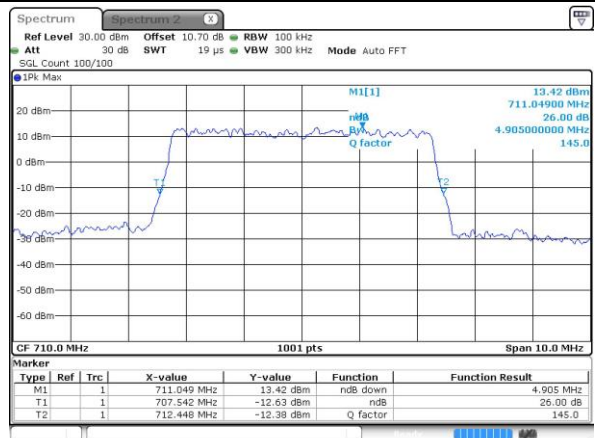
Date: 2.OCT.2018 01:33:51

Middle Channel / 5MHz / QPSK



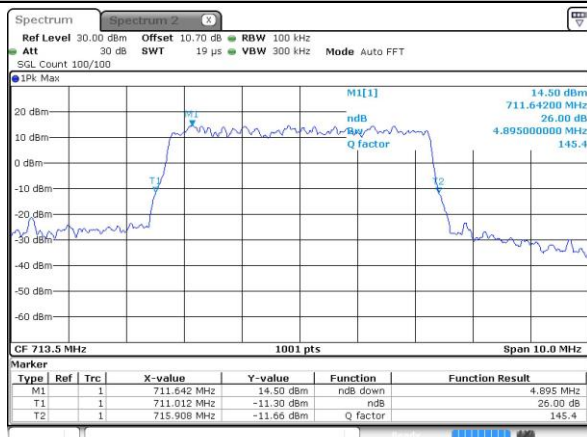
Date: 2.OCT.2018 01:34:25

Middle Channel / 5MHz / 16QAM



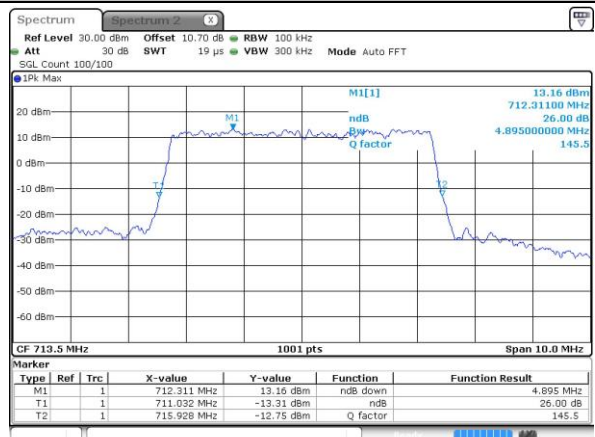
Date: 2.OCT.2018 01:34:36

Highest Channel / 5MHz / QPSK



Date: 2.OCT.2018 01:35:10

Highest Channel / 5MHz / 16QAM

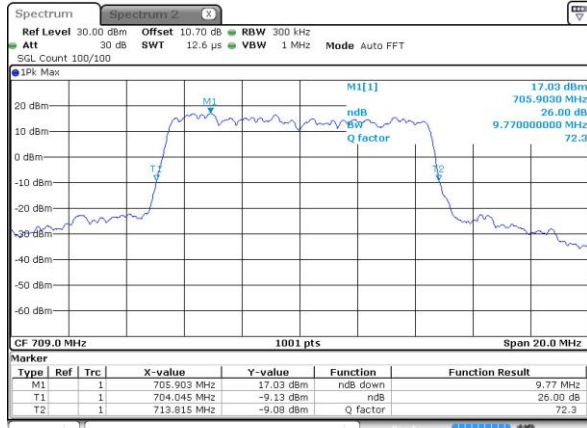


Date: 2.OCT.2018 01:35:22



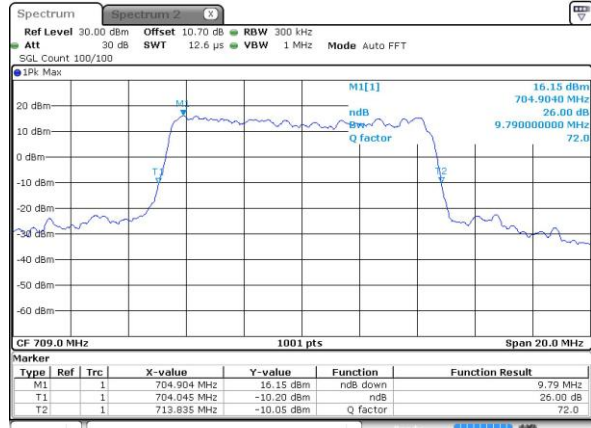
LTE Band 17

Lowest Channel / 10MHz / QPSK



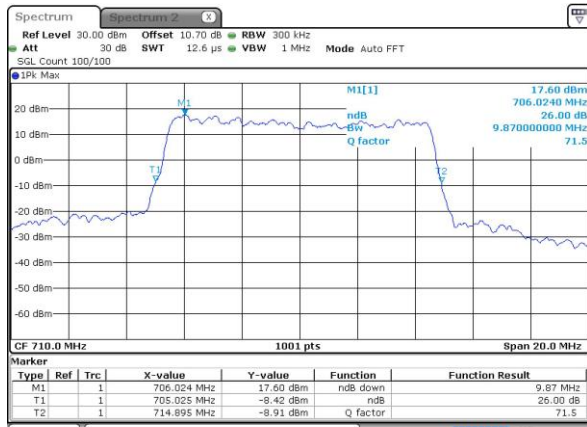
Date: 2.OCT.2018 01:35:56

Lowest Channel / 10MHz / 16QAM



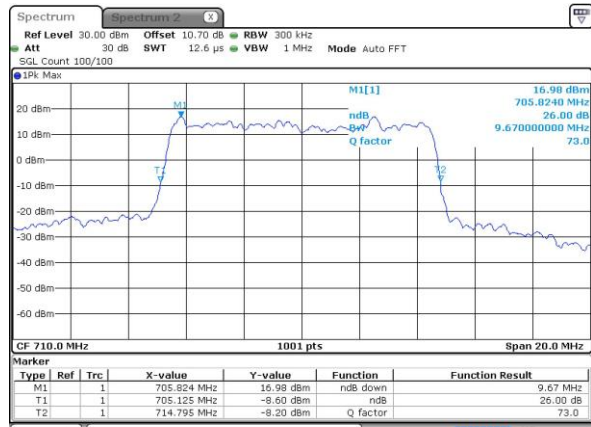
Date: 2.OCT.2018 01:36:07

Middle Channel / 10MHz / QPSK



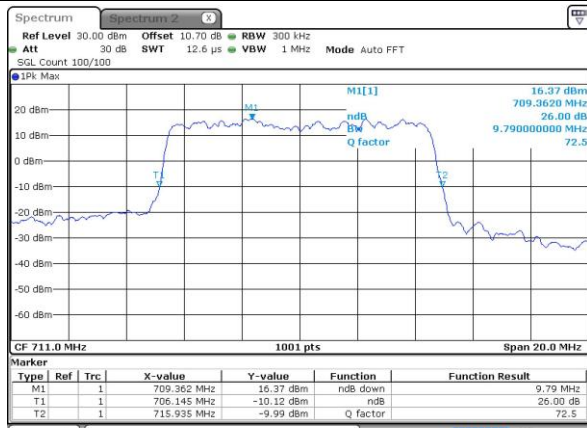
Date: 2.OCT.2018 01:36:41

Middle Channel / 10MHz / 16QAM



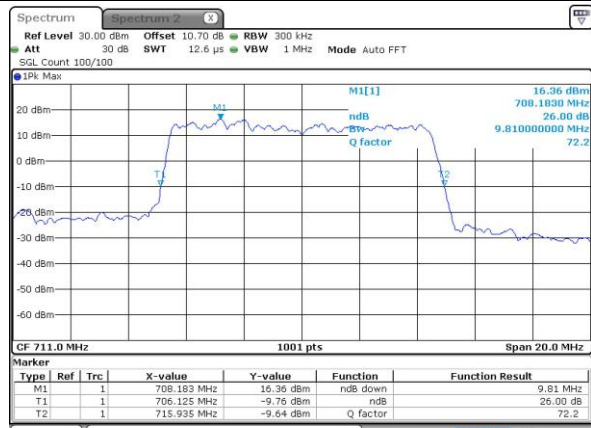
Date: 2.OCT.2018 01:36:53

Highest Channel / 10MHz / QPSK



Date: 2.OCT.2018 01:37:27

Highest Channel / 10MHz / 16QAM



Date: 2.OCT.2018 01:37:38