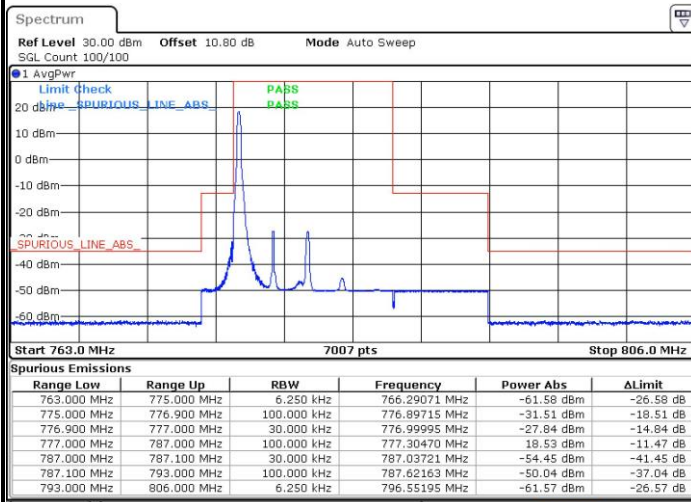


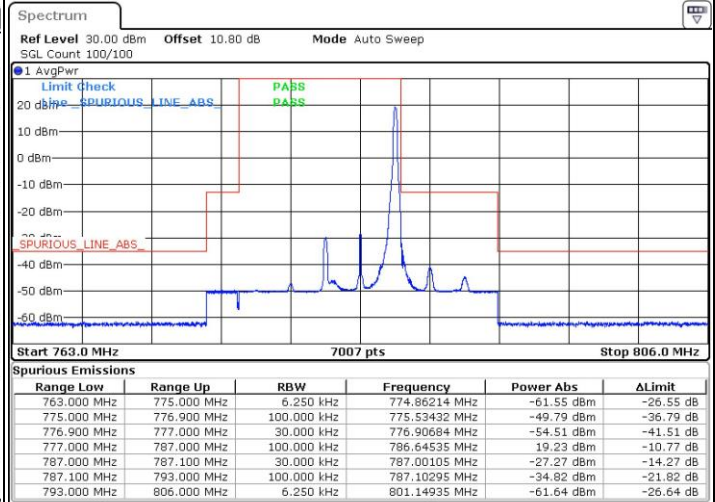


IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



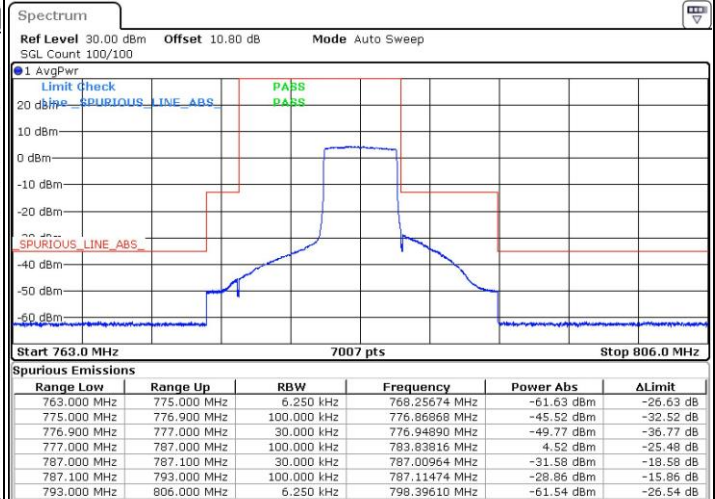
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



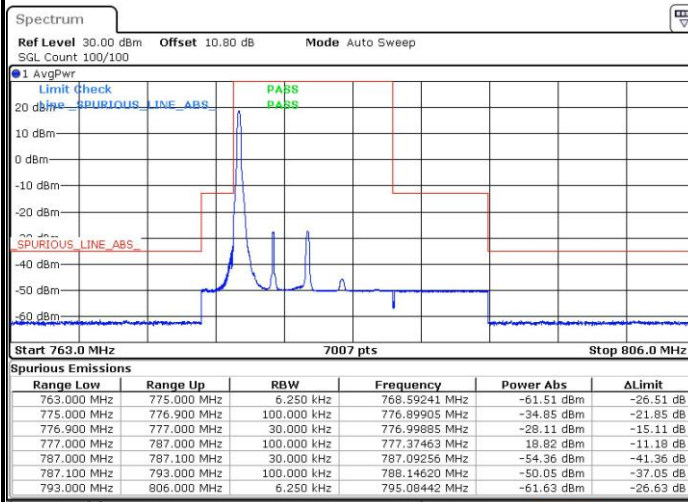
Highest Band Edge / Full RB



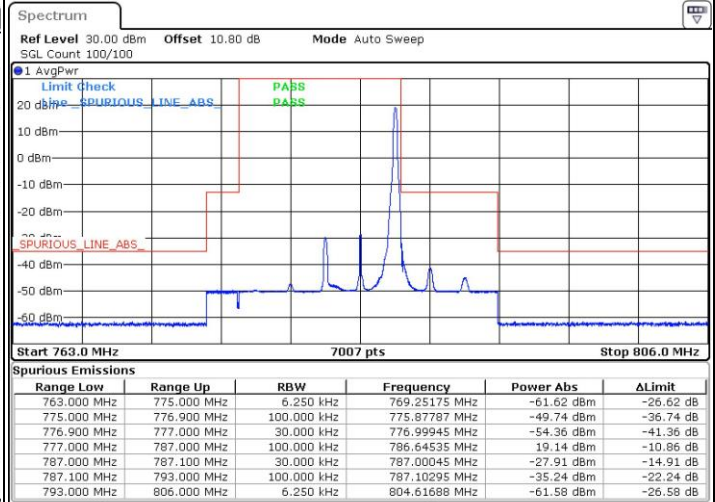


IC LTE Band 13 / 5MHz / 64QAM

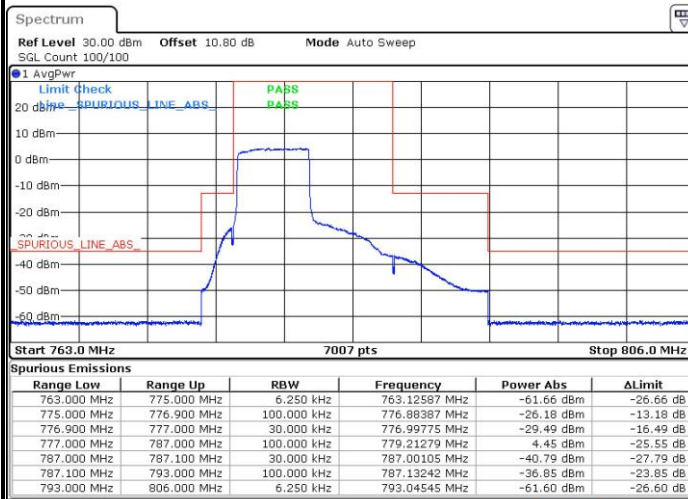
Lowest Band Edge / 1 RB



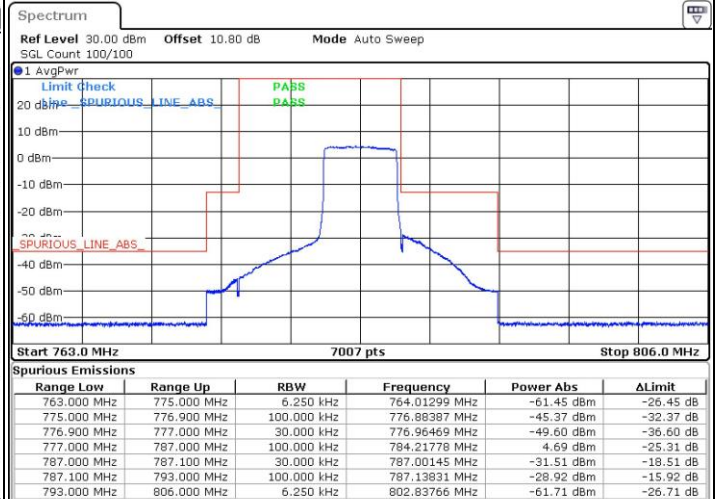
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



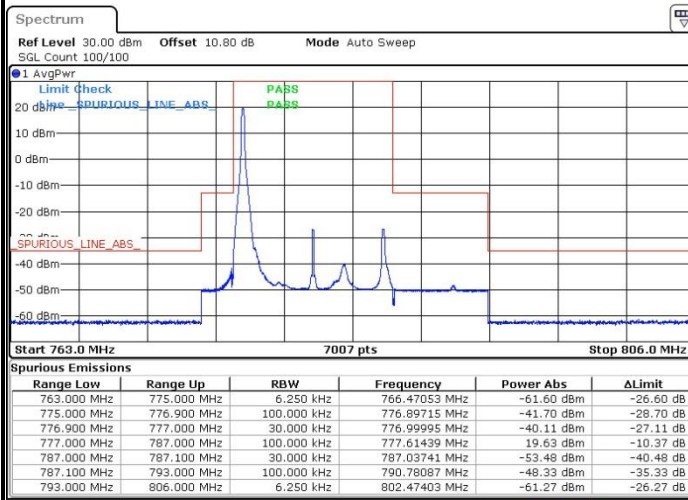
Highest Band Edge / Full RB





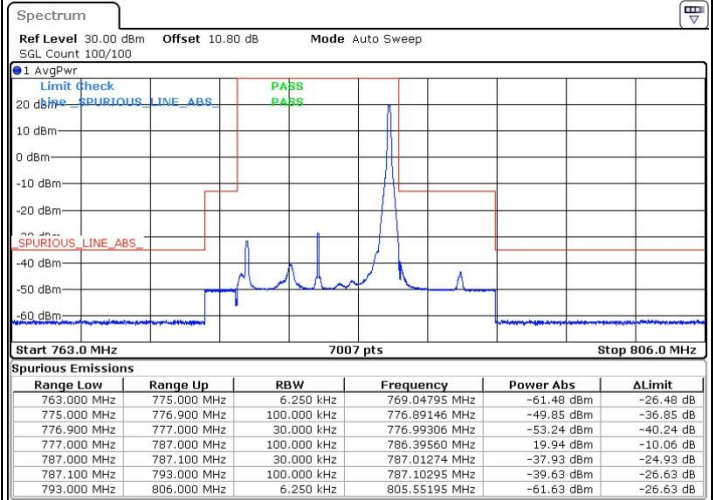
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



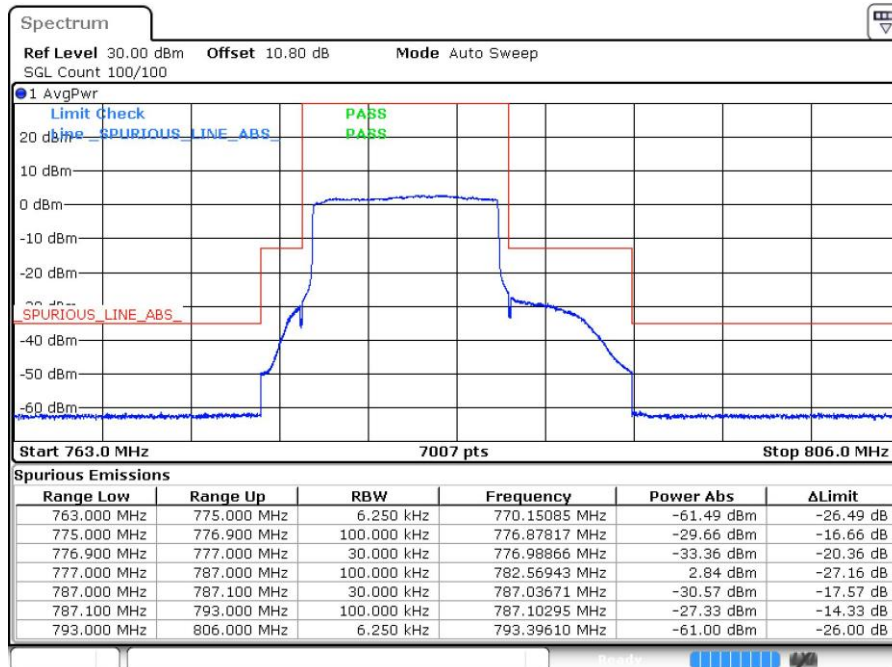
Date: 6 JUL 2018 23:47:39

Highest Band Edge / 1 RB



Date: 6 JUL 2018 23:49:20

Band Edge / Full RB

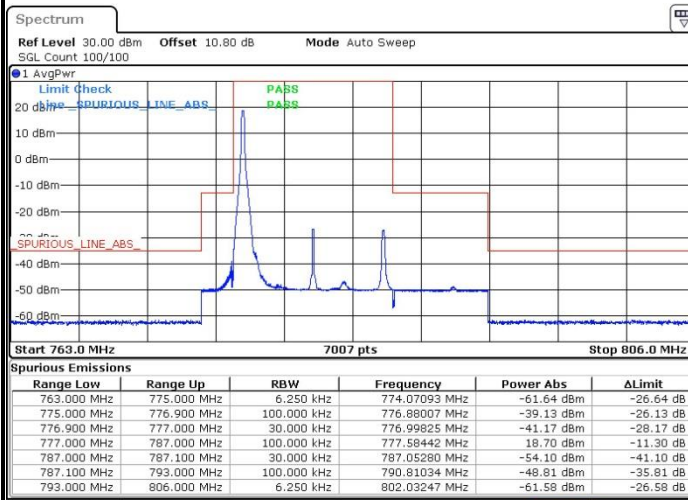


Date: 6 JUL 2018 23:42:38



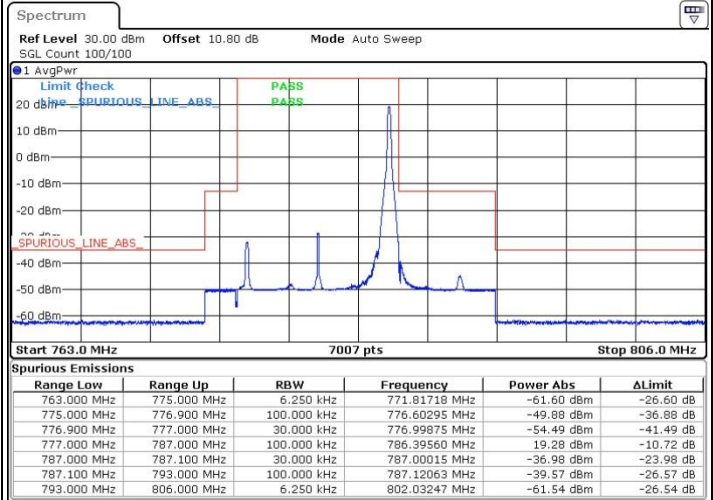
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



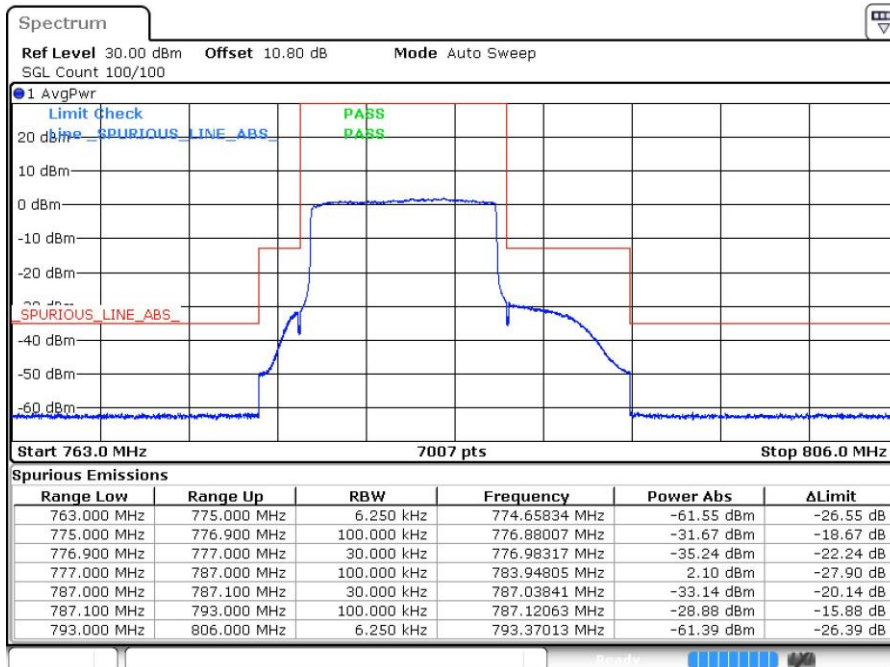
Date: 6 JUL 2018 23:45:59

Highest Band Edge / 1 RB



Date: 6 JUL 2018 23:51:00

Band Edge / Full RB

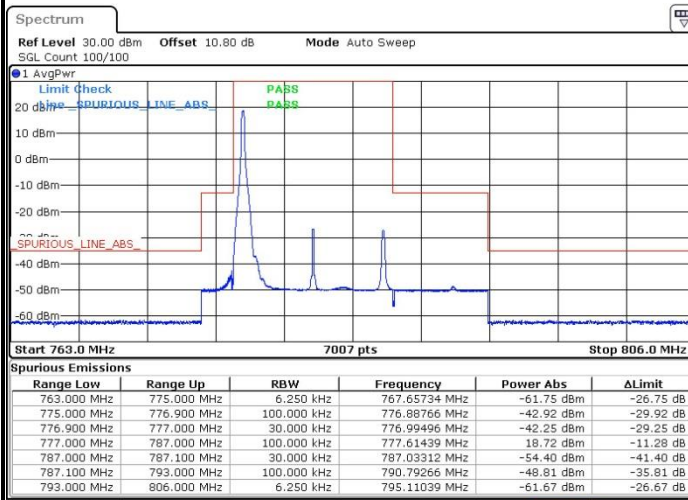


Date: 6 JUL 2018 23:44:18



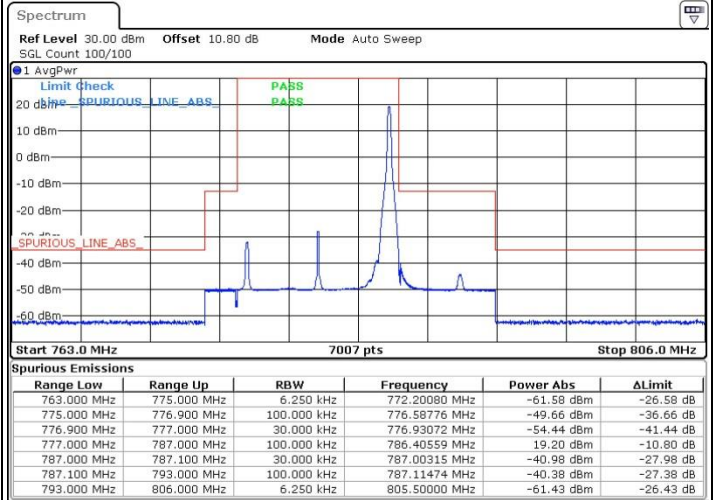
IC LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



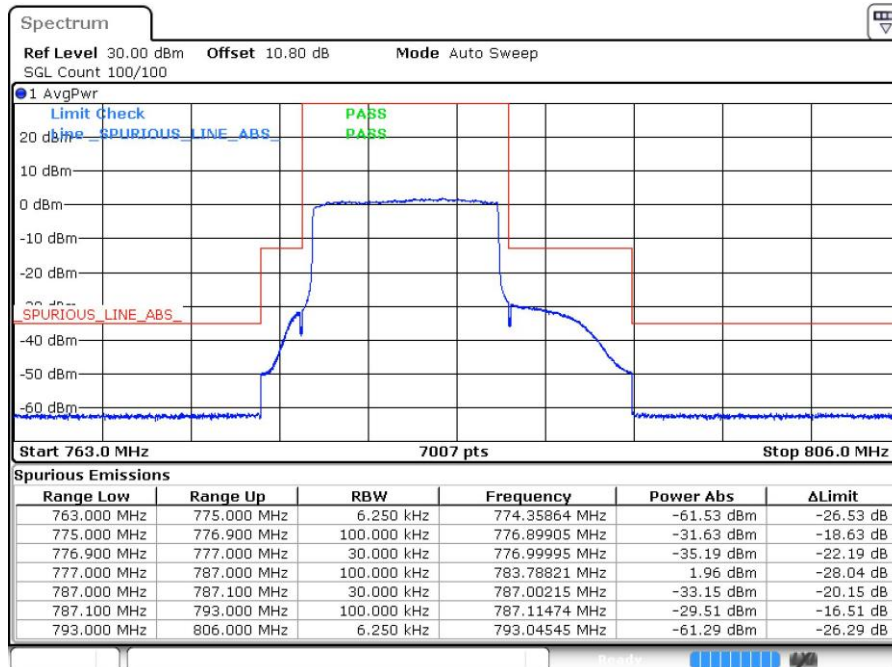
Date: 6 JUL 2018 23:39:18

Highest Band Edge / 1 RB



Date: 6 JUL 2018 23:40:58

Band Edge / Full RB



Date: 6 JUL 2018 23:37:37

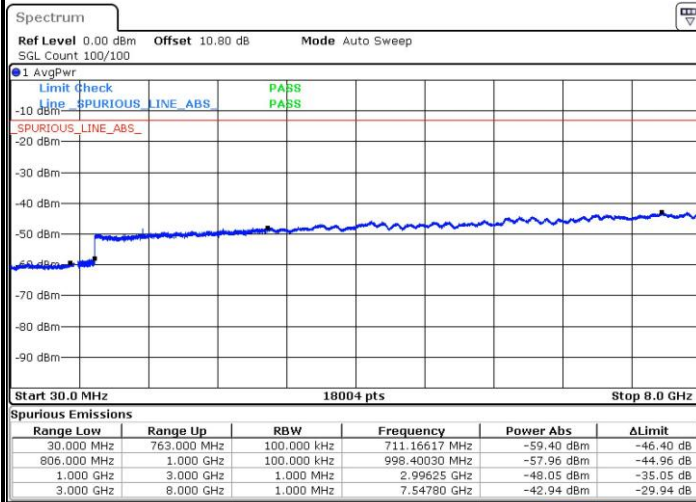


Conducted Spurious Emission



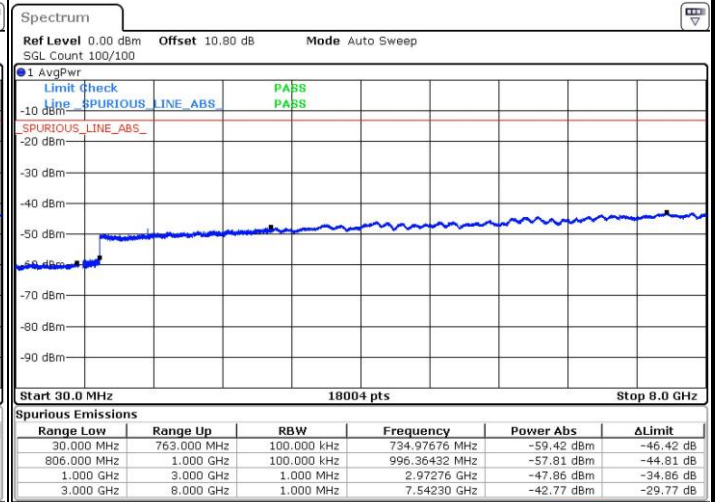
LTE Band 13 / 5MHz

Lowest Channel / QPSK



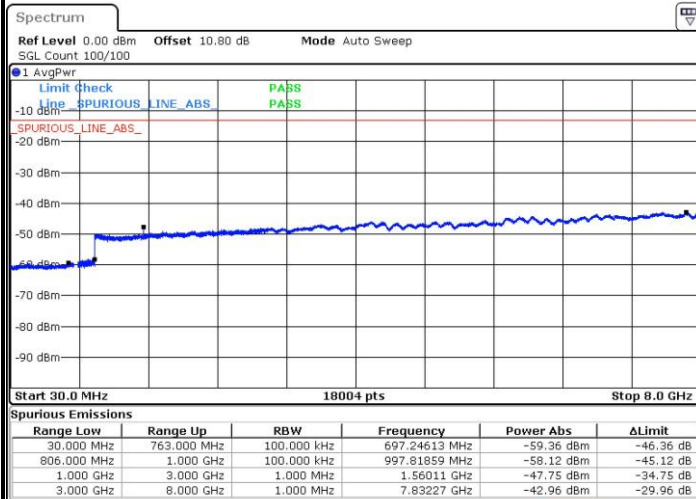
Date: 6 JUL 2018 22:27:49

Lowest Channel / 16QAM



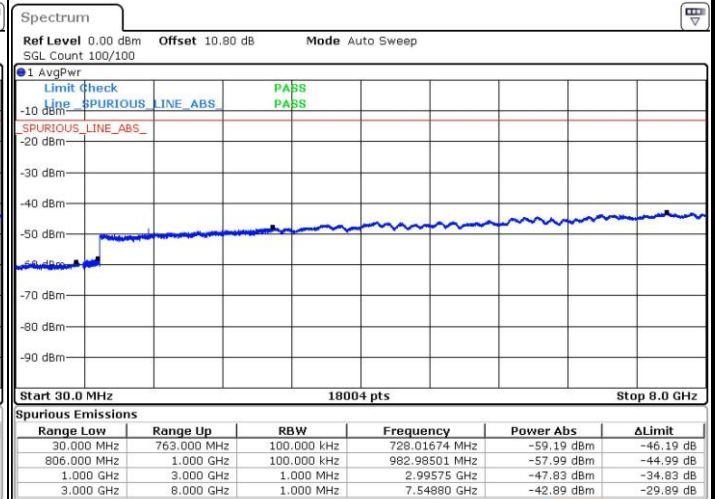
Date: 6 JUL 2018 22:28:44

Middle Channel / QPSK



Date: 6 JUL 2018 22:30:34

Middle Channel / 16QAM

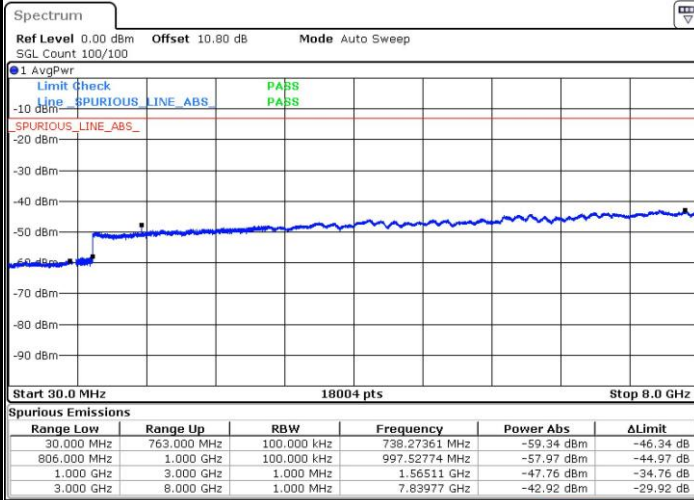


Date: 6 JUL 2018 22:29:39



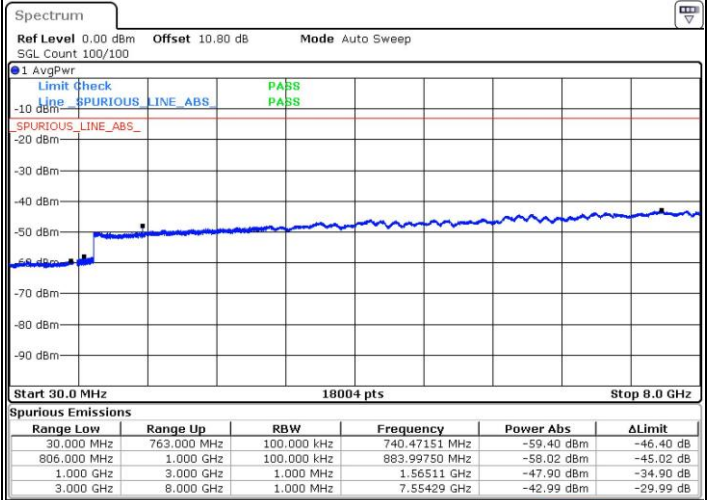
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 6 JUL 2018 22:39:40

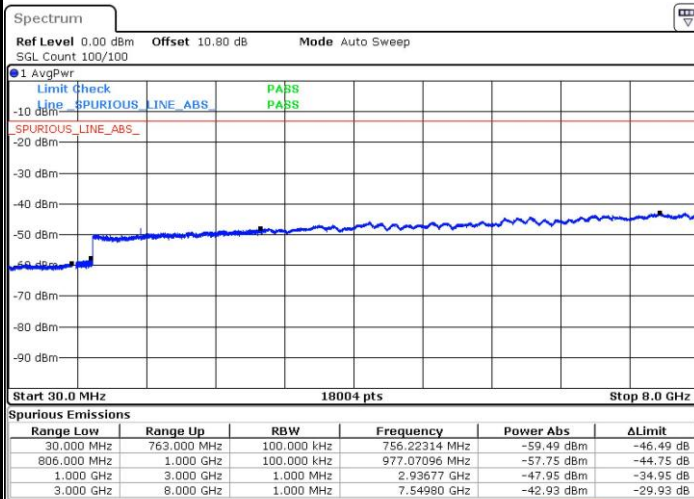
Highest Channel / 16QAM



Date: 6 JUL 2018 22:40:35

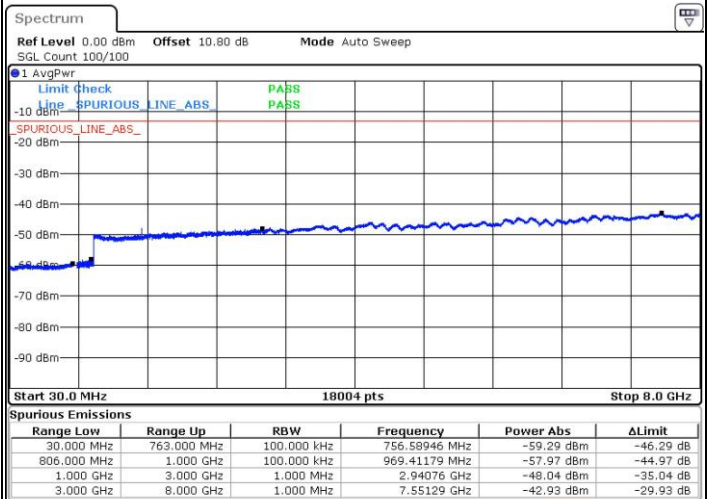
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 6 JUL 2018 23:03:47

Middle Channel / 16QAM

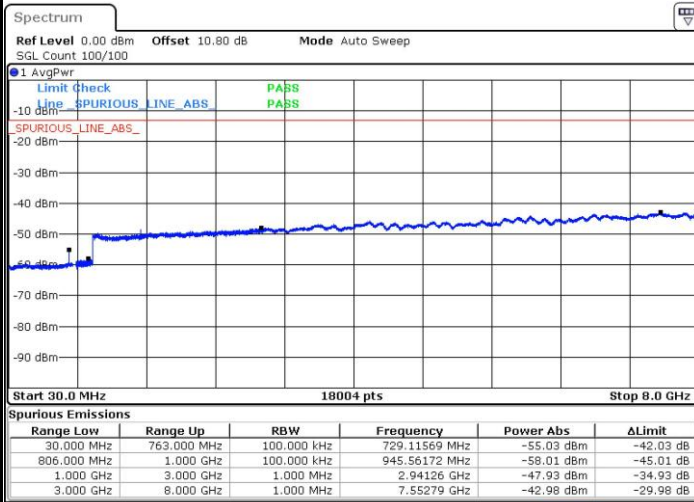


Date: 6 JUL 2018 23:02:52



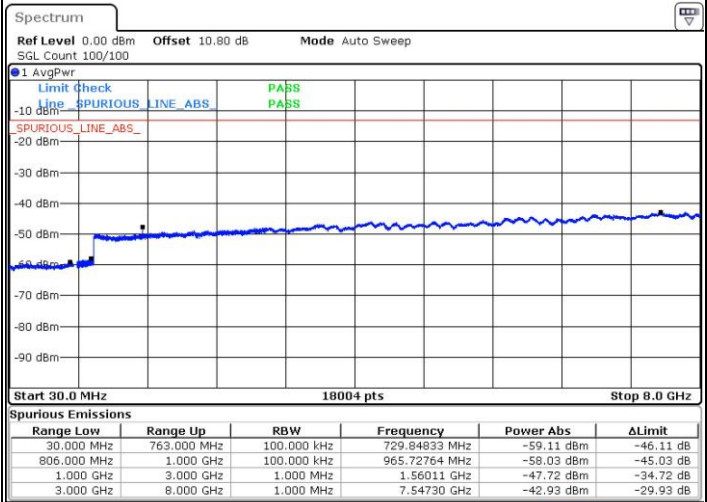
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



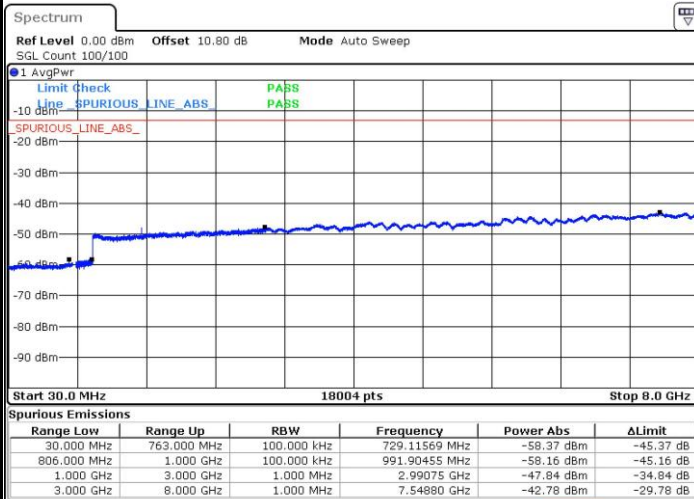
Date: 6 JUL 2018 22:45:14

Middle Channel / 64QAM



Date: 6 JUL 2018 22:46:09

Highest Channel / 64QAM

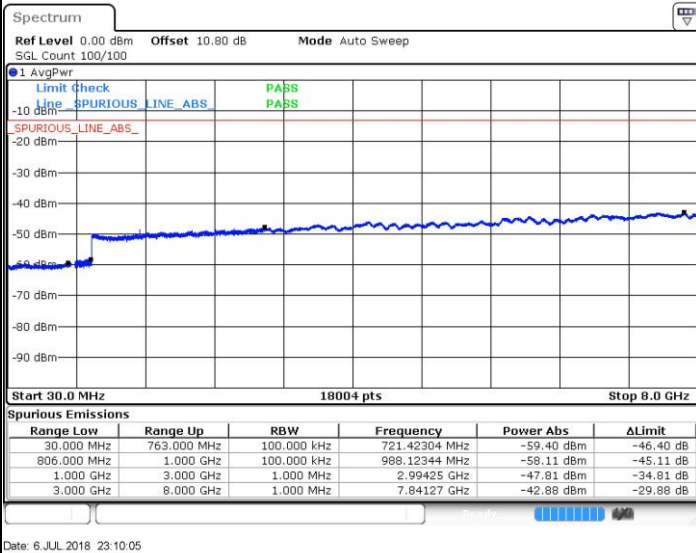


Date: 6 JUL 2018 22:51:10



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	0.0022	PASS
40	Normal Voltage	0.0064	
30	Normal Voltage	0.0114	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0069	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

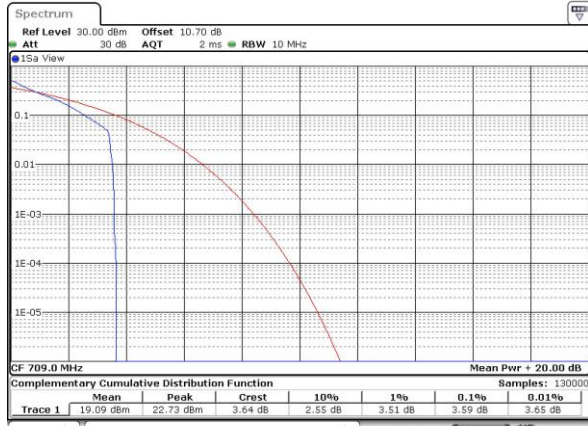
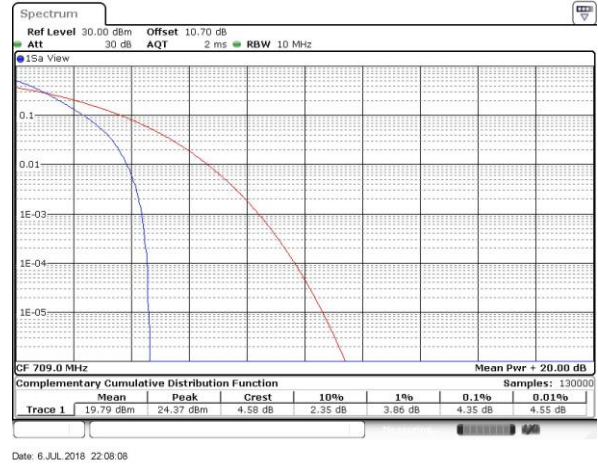
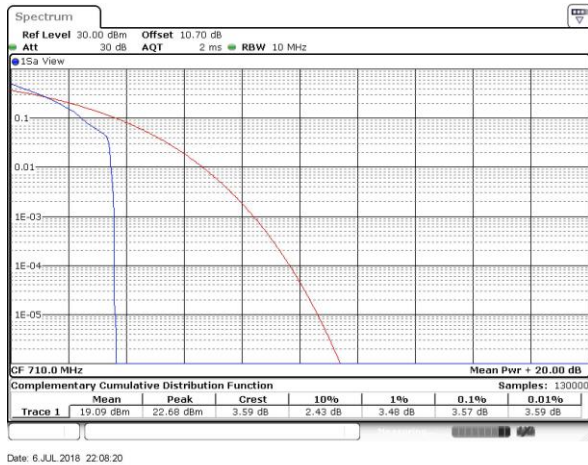
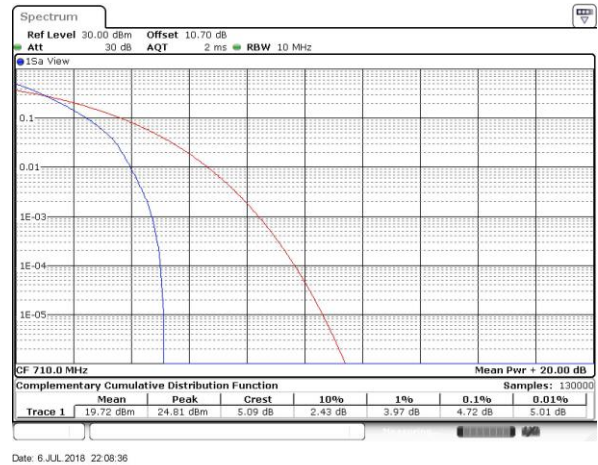
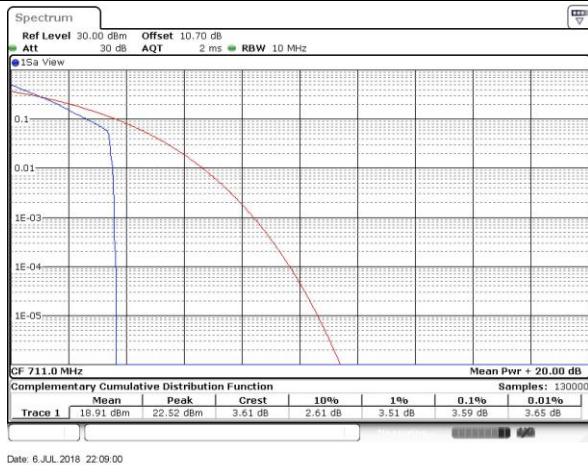
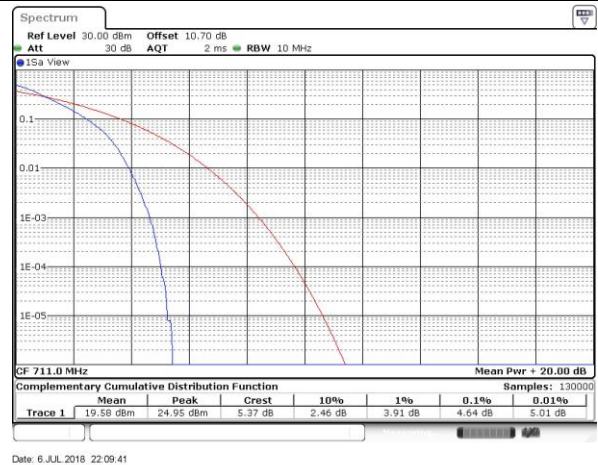
Note:

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

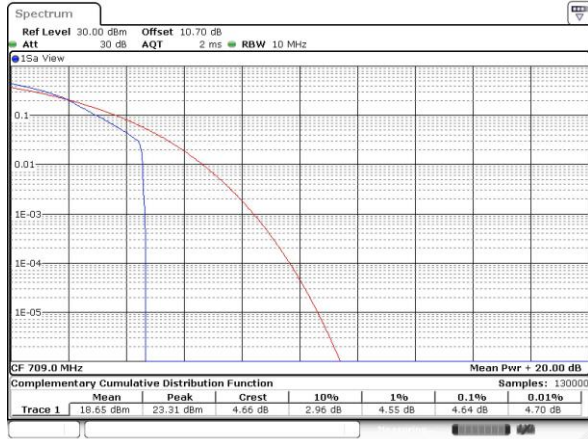
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	4.35	4.64	5.57	PASS
Middle CH	3.57	4.72	4.70	5.91	
Highest CH	3.59	4.64	4.87	5.88	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.07	5.88	-	-	PASS
Middle CH	4.93	5.88	-	-	
Highest CH	4.99	5.97	-	-	

LTE Band 17 / 10MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


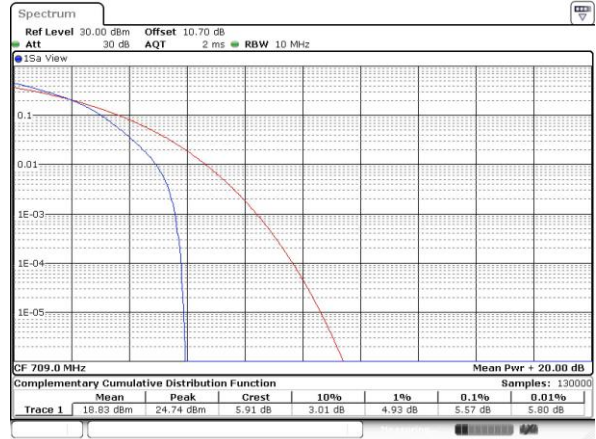


LTE Band 17 / 10MHz / 16QAM

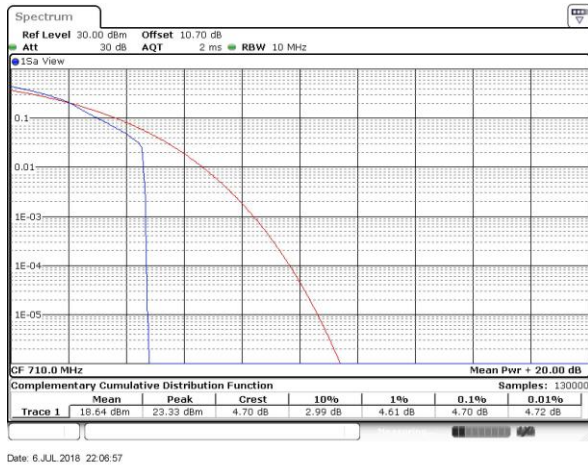
Lowest Channel / 1RB



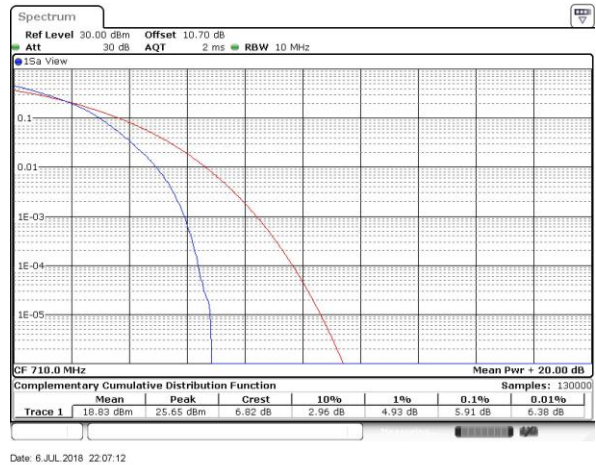
Lowest Channel / Full RB



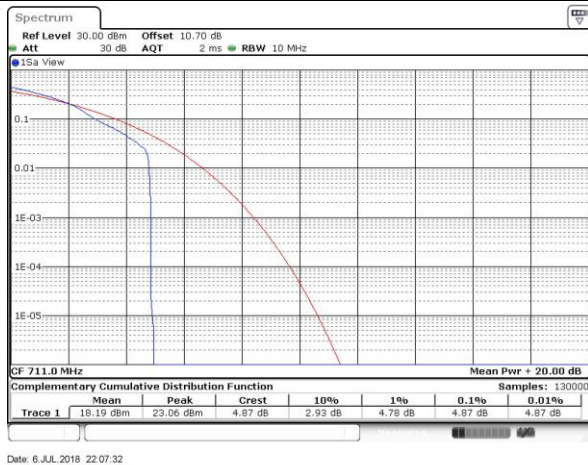
Middle Channel / 1RB



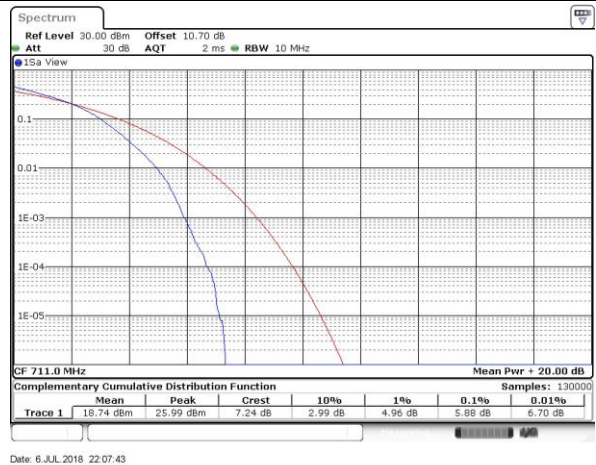
Middle Channel / Full RB



Highest Channel / 1RB

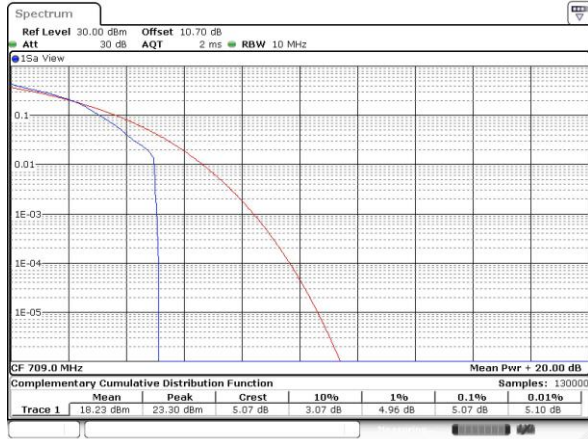


Highest Channel / Full RB



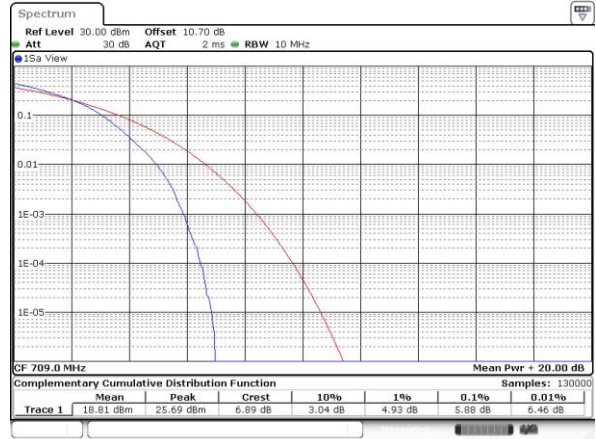
LTE Band 17 / 10MHz / 64QAM

Lowest Channel / 1RB



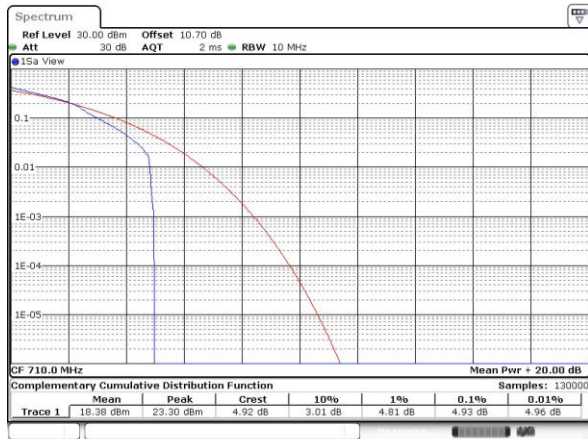
Date: 6 JUL 2018 22:09:52

Lowest Channel / Full RB



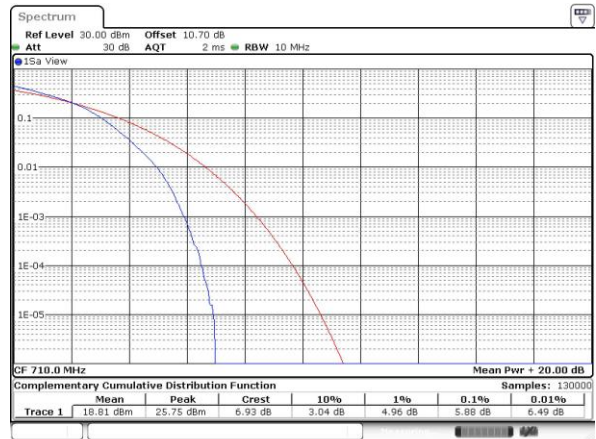
Date: 6 JUL 2018 22:10:03

Middle Channel / 1RB



Date: 6 JUL 2018 22:10:14

Middle Channel / Full RB



Date: 6 JUL 2018 22:10:24

Highest Channel / 1RB



Date: 6 JUL 2018 22:10:35

Highest Channel / Full RB



Date: 6 JUL 2018 22:10:46

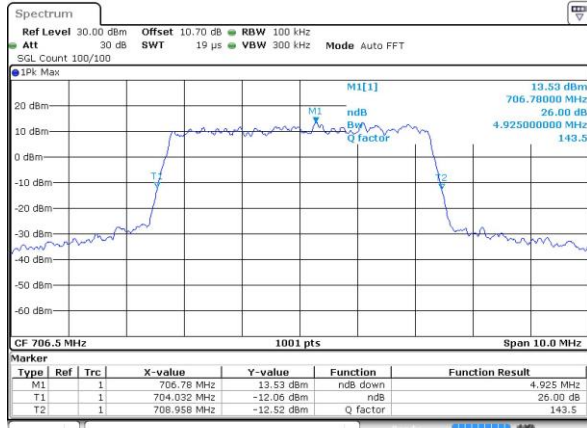
**26dB Bandwidth**

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	-	-	-	-	4.93	4.86	9.75	9.85	-	-	-	-
Middle CH	-	-	-	-	4.86	4.87	9.93	9.79	-	-	-	-
Highest CH	-	-	-	-	4.90	4.94	9.71	9.73	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.83	-	9.65	-	-	-	-	-
Middle CH	-	-	-	-	4.94	-	9.73	-	-	-	-	-
Highest CH	-	-	-	-	4.92	-	9.69	-	-	-	-	-



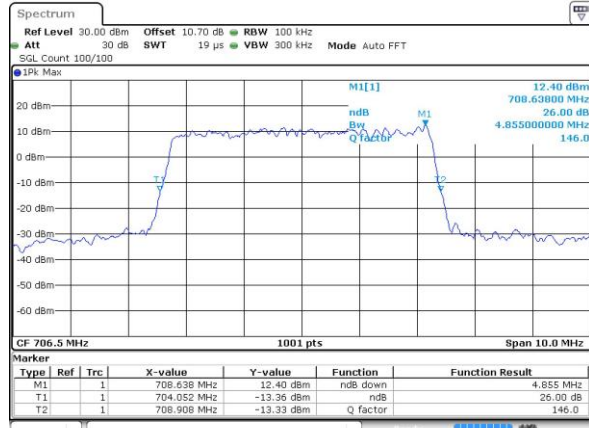
LTE Band 17

Lowest Channel / 5MHz / QPSK



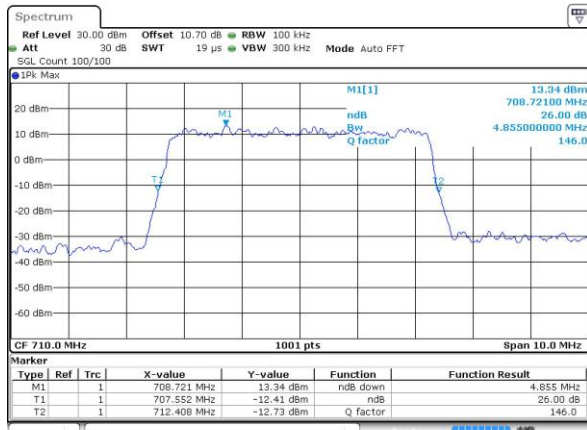
Date: 6 JUL 2018 19:22:14

Lowest Channel / 5MHz / 16QAM



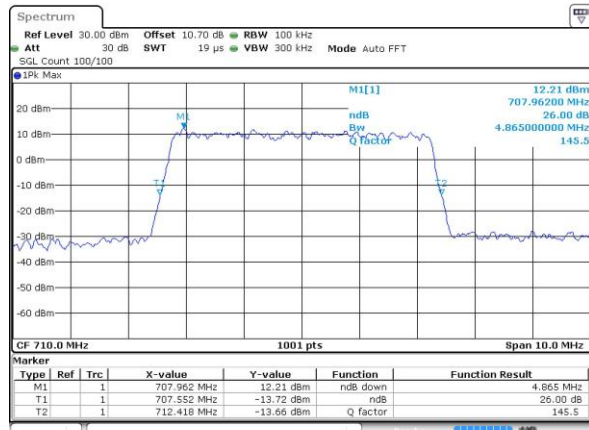
Date: 6 JUL 2018 19:22:26

Middle Channel / 5MHz / QPSK



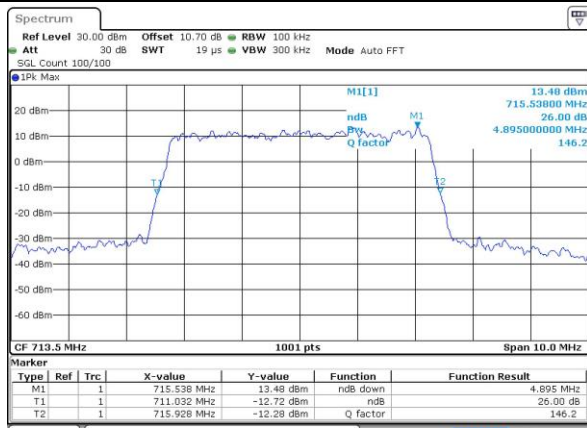
Date: 6 JUL 2018 19:29:31

Middle Channel / 5MHz / 16QAM



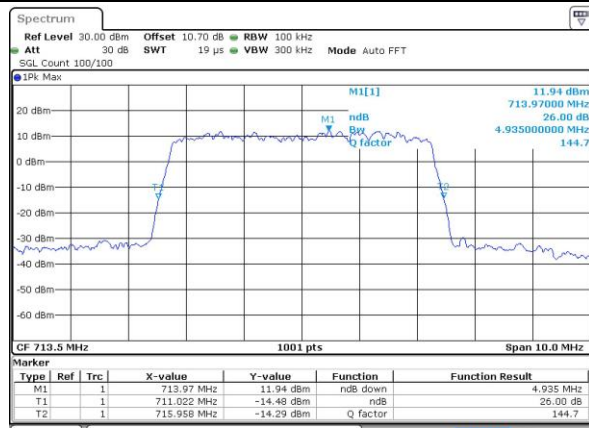
Date: 6 JUL 2018 19:29:42

Highest Channel / 5MHz / QPSK



Date: 6 JUL 2018 19:32:07

Highest Channel / 5MHz / 16QAM

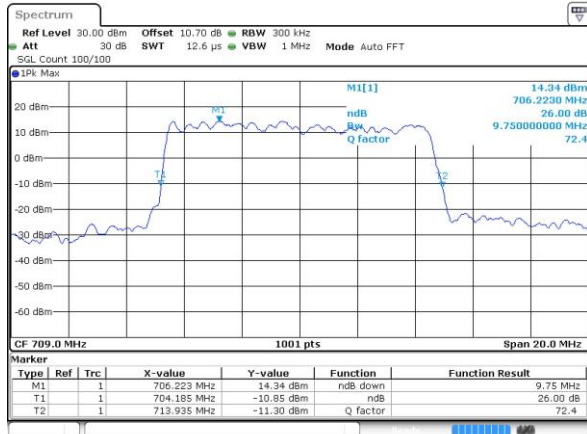


Date: 6 JUL 2018 19:32:18

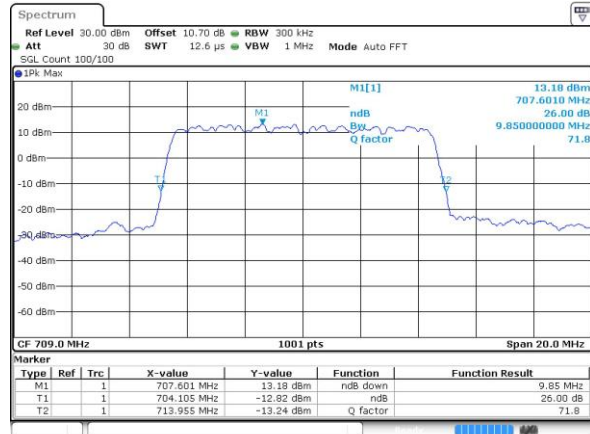


LTE Band 17

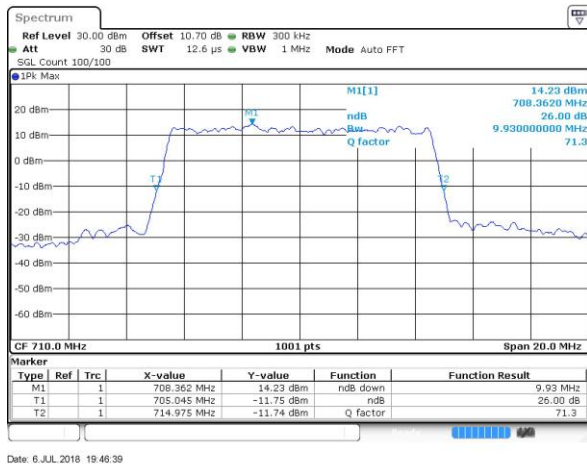
Lowest Channel / 10MHz / QPSK



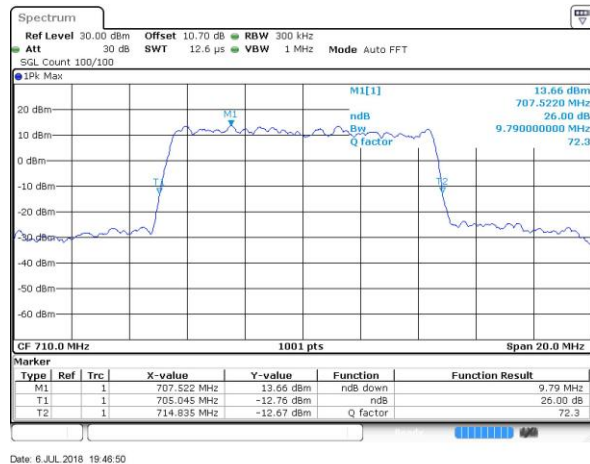
Lowest Channel / 10MHz / 16QAM



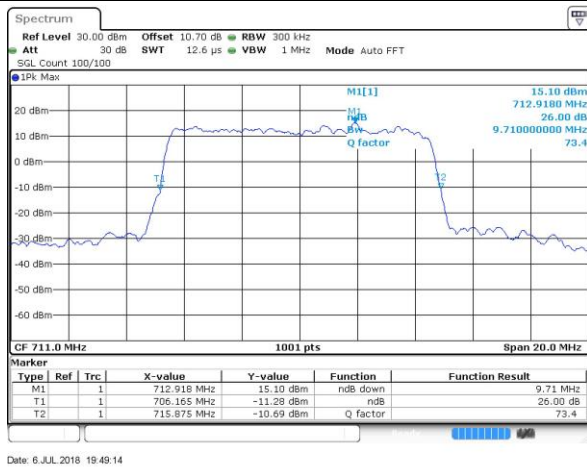
Middle Channel / 10MHz / QPSK



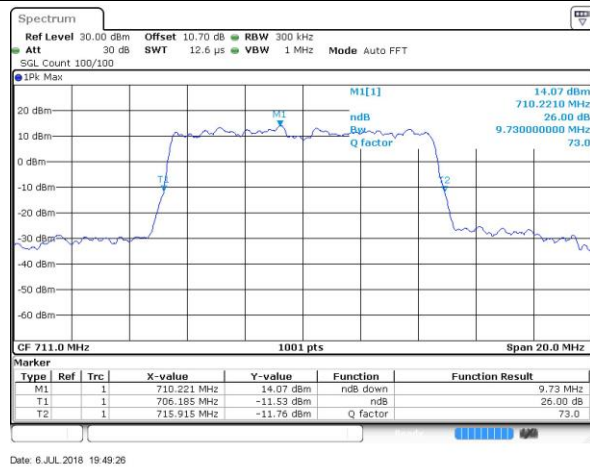
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



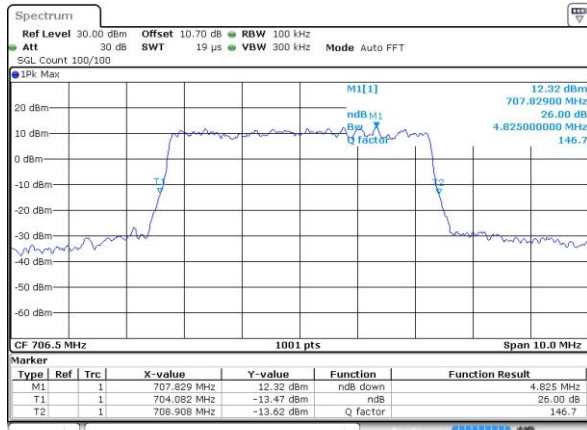
Highest Channel / 10MHz / 16QAM





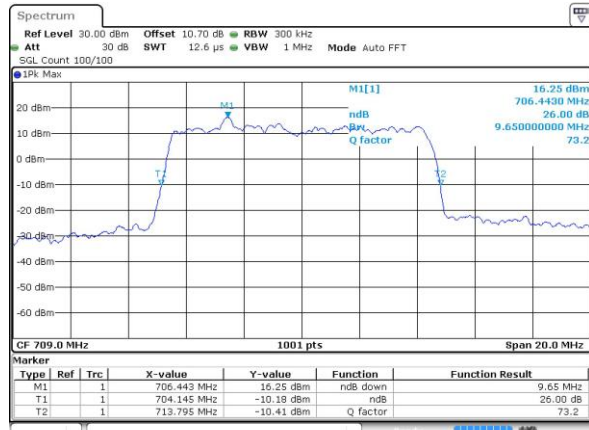
LTE Band 17

Lowest Channel / 5MHz / 64QAM



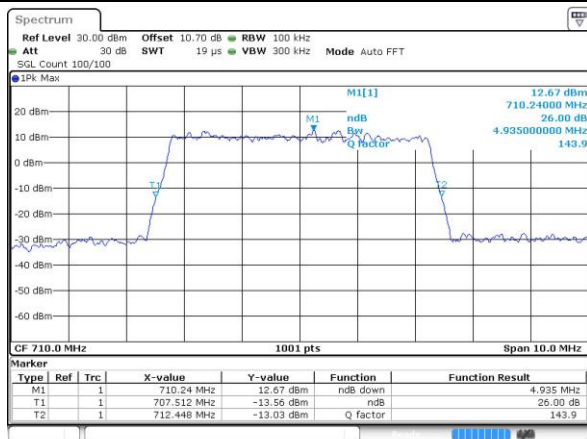
Date: 6 JUL 2018 19:56:19

Lowest Channel / 10MHz / 64QAM



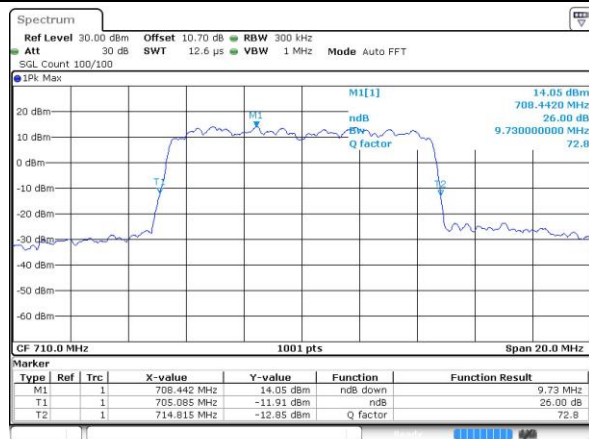
Date: 6 JUL 2018 20:04:53

Middle Channel / 5MHz / 64QAM



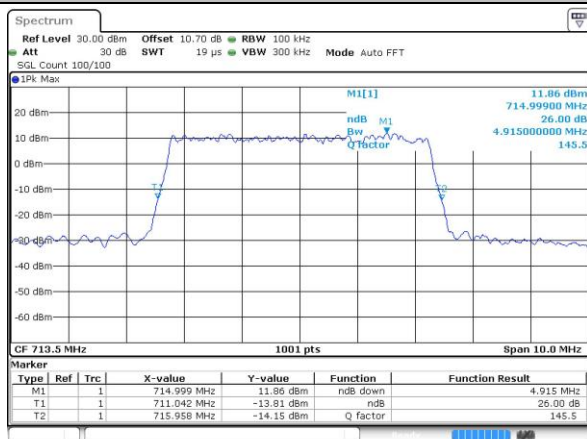
Date: 6 JUL 2018 19:59:58

Middle Channel / 10MHz / 64QAM



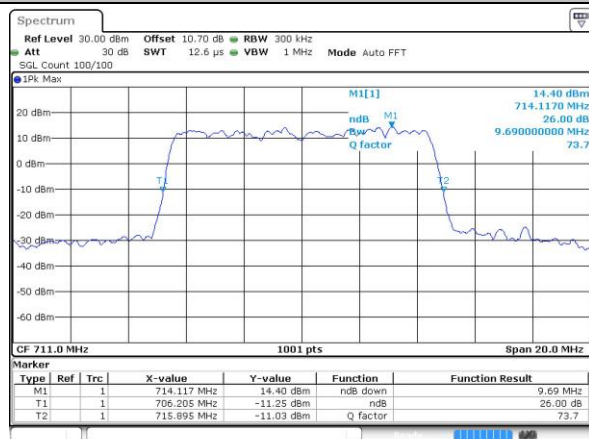
Date: 6 JUL 2018 20:08:31

Highest Channel / 5MHz / 64QAM



Date: 6 JUL 2018 20:01:15

Highest Channel / 10MHz / 64QAM



Date: 6 JUL 2018 20:09:49

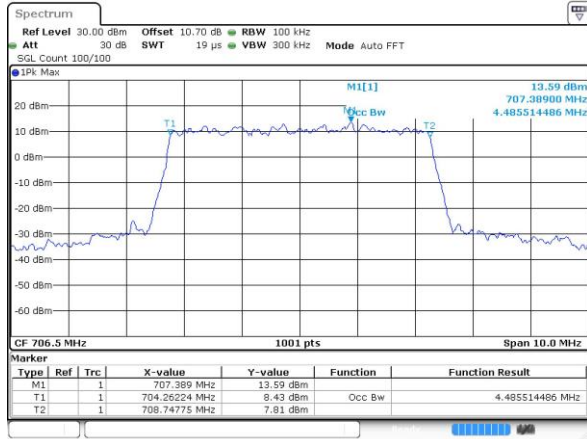
**Occupied Bandwidth**

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	-	-	-	-	4.49	4.46	9.03	8.97	-	-	-	-
Middle CH	-	-	-	-	4.48	4.50	9.05	9.03	-	-	-	-
Highest CH	-	-	-	-	4.48	4.49	9.01	9.01	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	9.01	-	-	-	-	-
Middle CH	-	-	-	-	4.50	-	9.03	-	-	-	-	-
Highest CH	-	-	-	-	4.49	-	9.01	-	-	-	-	-

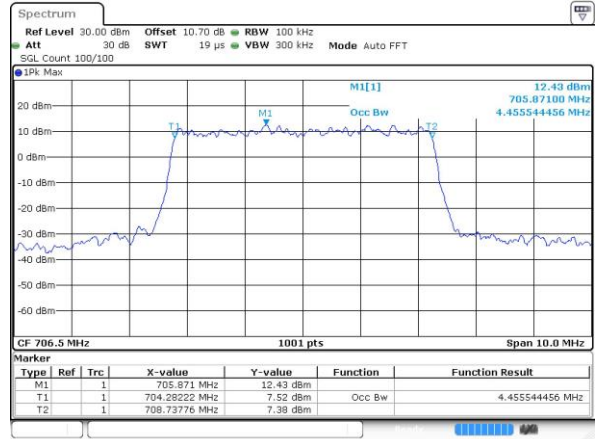


LTE Band 17

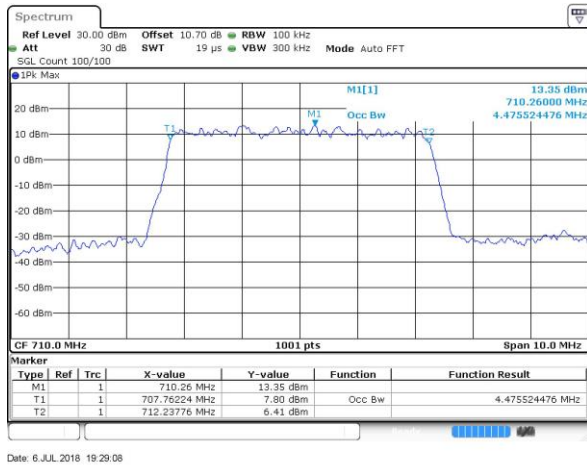
Lowest Channel / 5MHz / QPSK



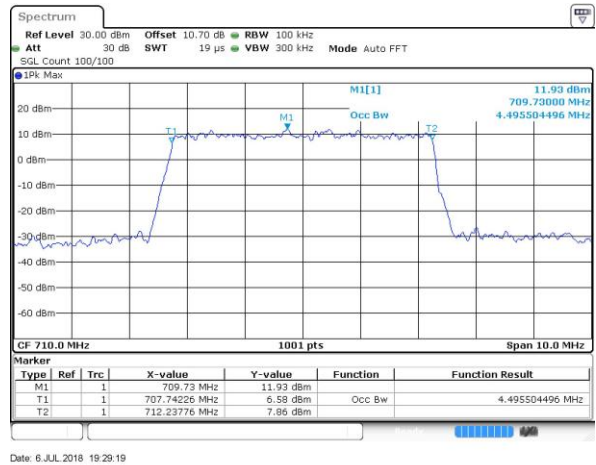
Lowest Channel / 5MHz / 16QAM



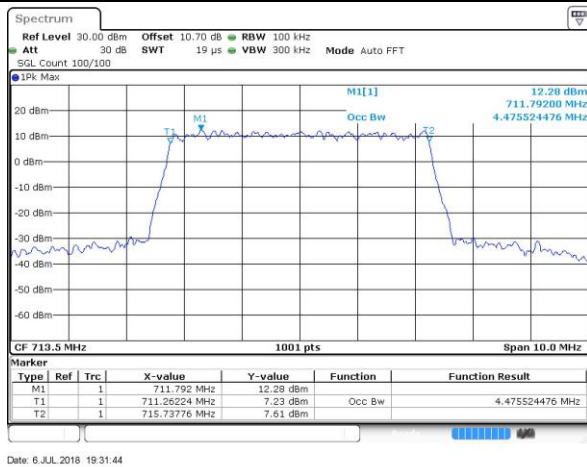
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

