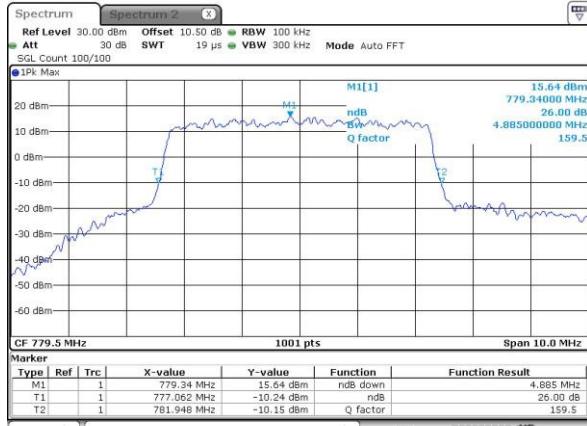




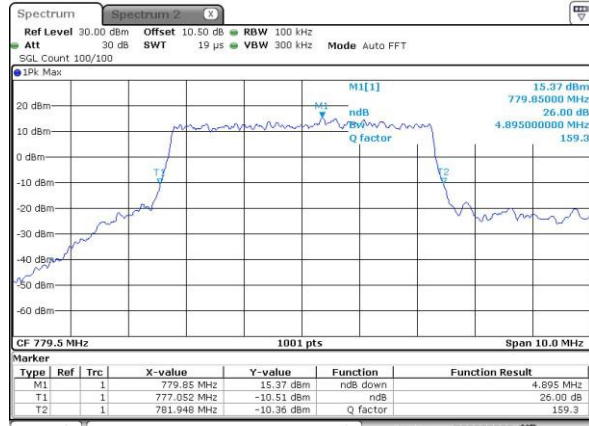
LTE Band 13

Lowest Channel / 5MHz / QPSK



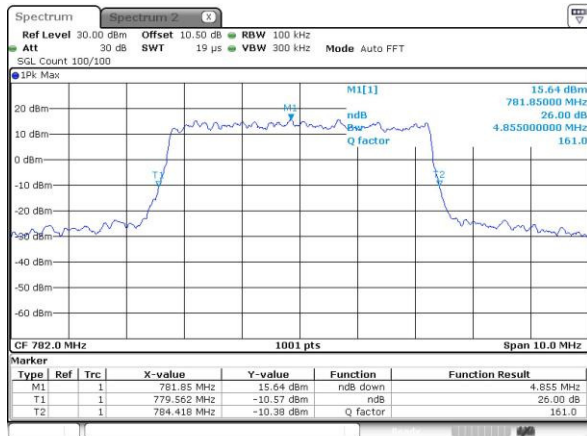
Date: 1,SEP,2016 21:12:04

Lowest Channel / 5MHz / 16QAM



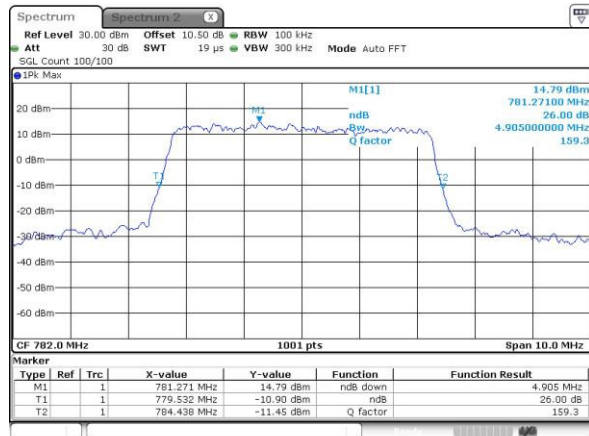
Date: 1,SEP,2016 21:11:53

Middle Channel / 5MHz / QPSK



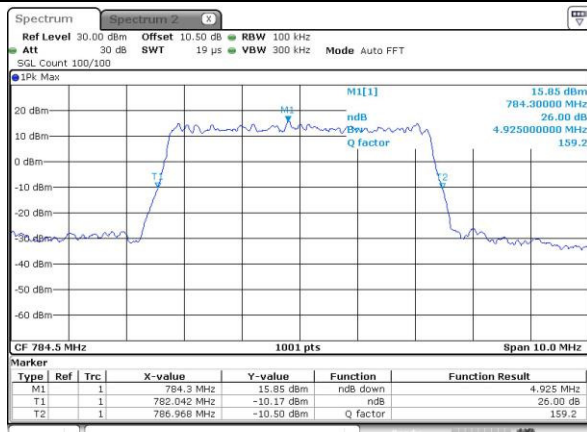
Date: 1,SEP,2016 21:16:08

Middle Channel / 5MHz / 16QAM



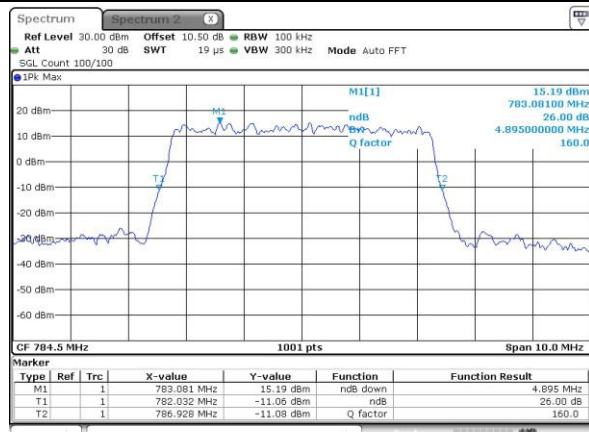
Date: 1,SEP,2016 21:16:19

Highest Channel / 5MHz / QPSK



Date: 1,SEP,2016 21:17:30

Highest Channel / 5MHz / 16QAM

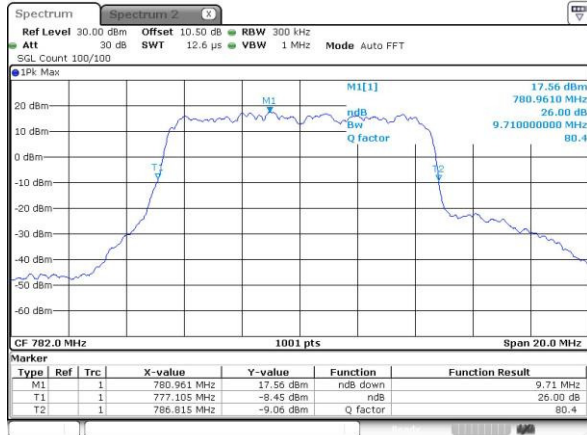


Date: 1,SEP,2016 21:17:18



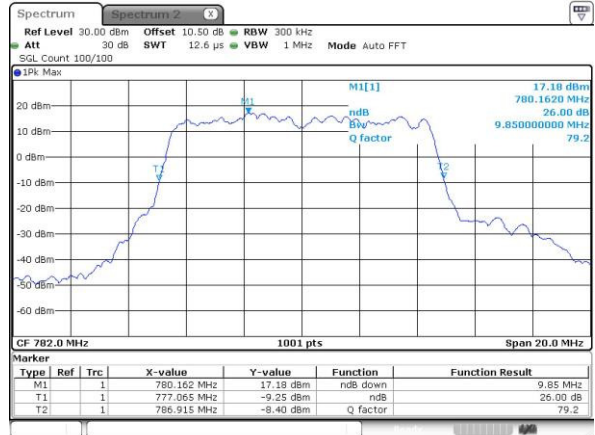
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 1.SEP.2016 21:20:13

Middle Channel / 10MHz / 16QAM



Date: 1.SEP.2016 21:20:02

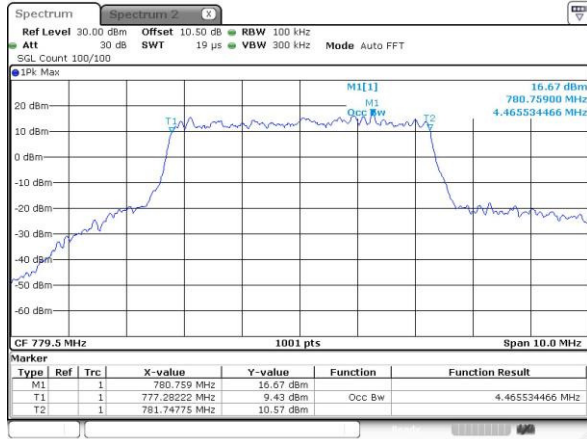
**Occupied Bandwidth**

Mode	LTE Band 13 : 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	-	-	-	-	4.47	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.47	4.49	8.95	8.99	-	-	-	-
Highest CH	-	-	-	-	4.5	4.48	-	-	-	-	-	-

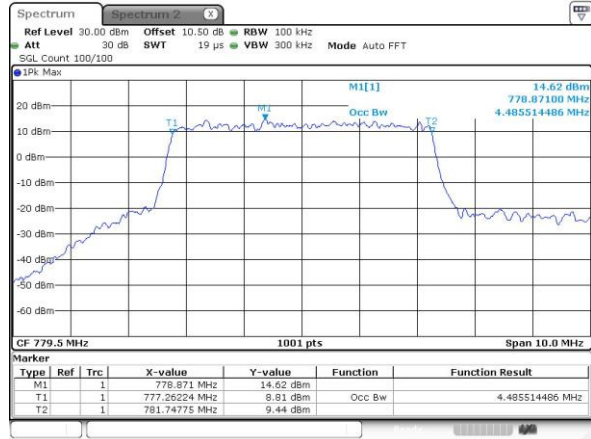


LTE Band 13

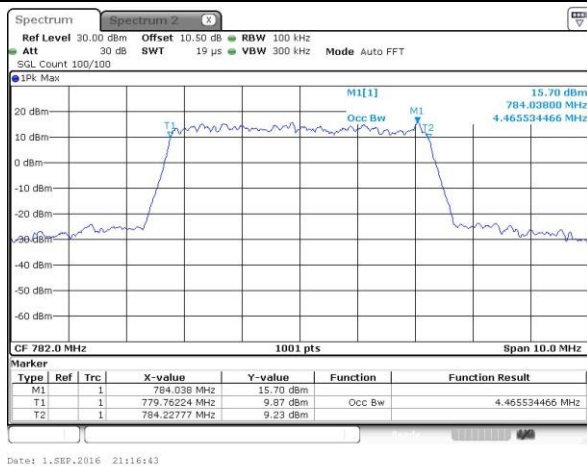
Lowest Channel / 5MHz / QPSK



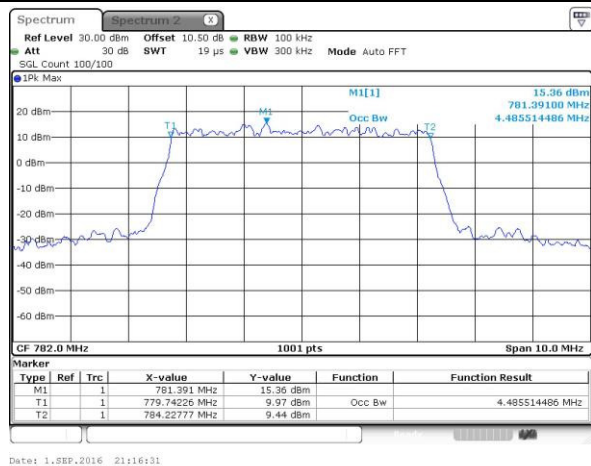
Lowest Channel / 5MHz / 16QAM



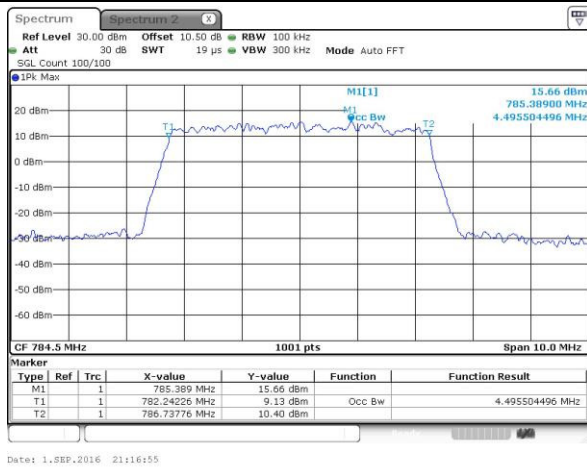
Middle Channel / 5MHz / QPSK



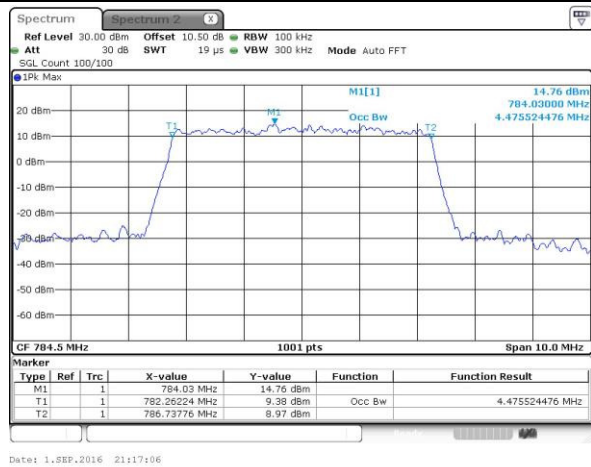
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



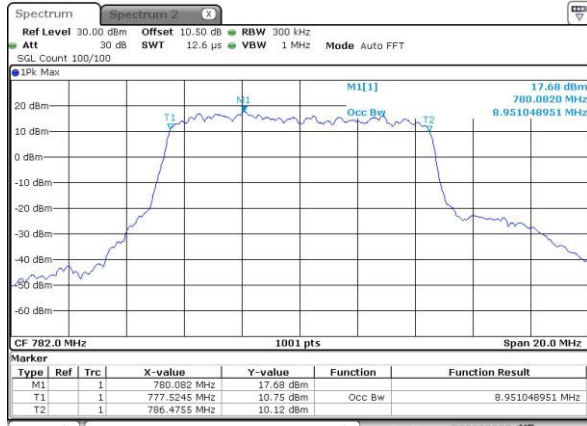
Highest Channel / 5MHz / 16QAM





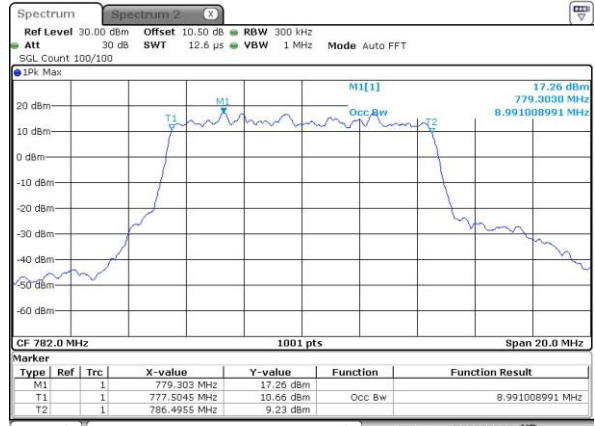
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 1.SEP.2016 21:19:38

Middle Channel / 10MHz / 16QAM



Date: 1.SEP.2016 21:19:50

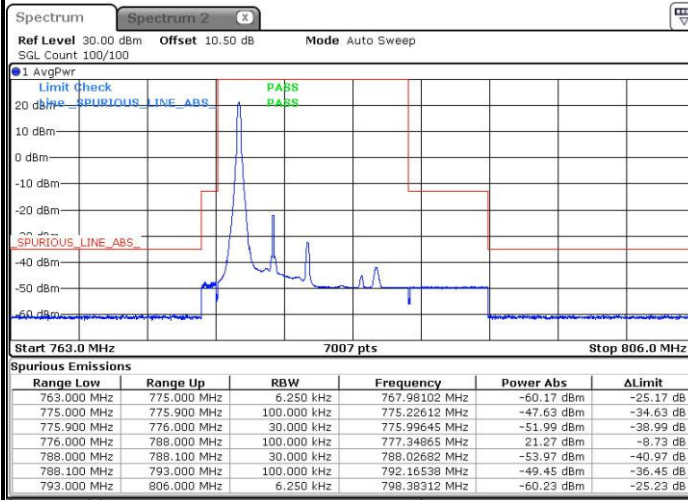


Conducted Band Edge

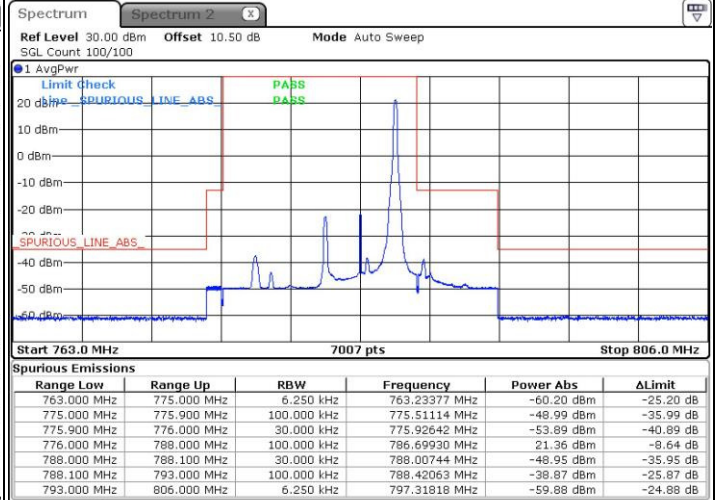


LTE Band 13 / 5MHz / QPSK

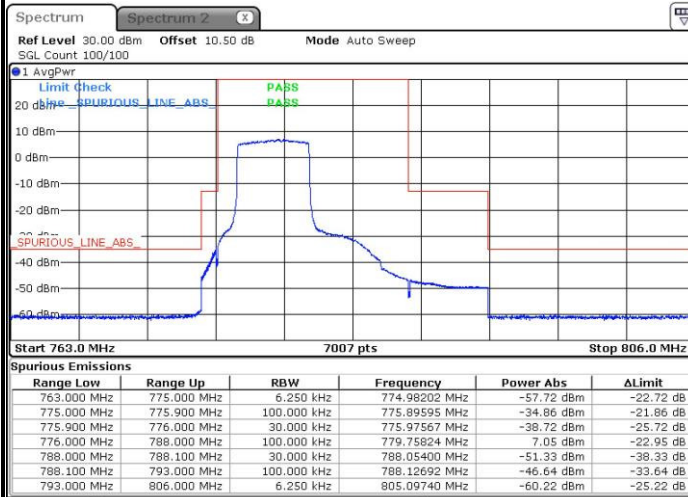
Lowest Band Edge / 1 RB



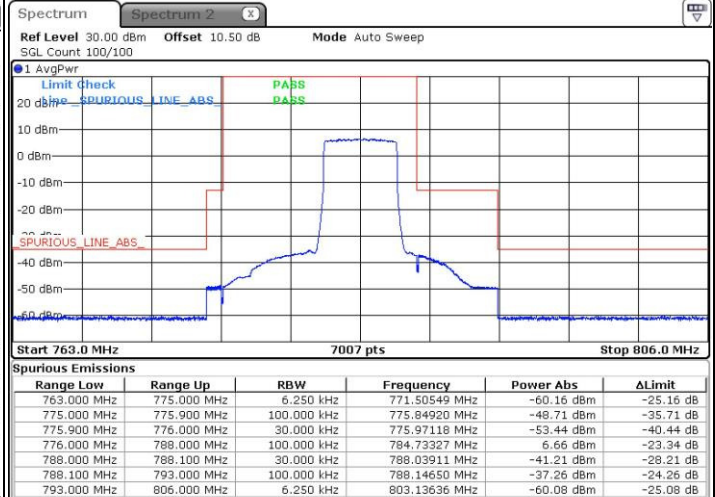
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



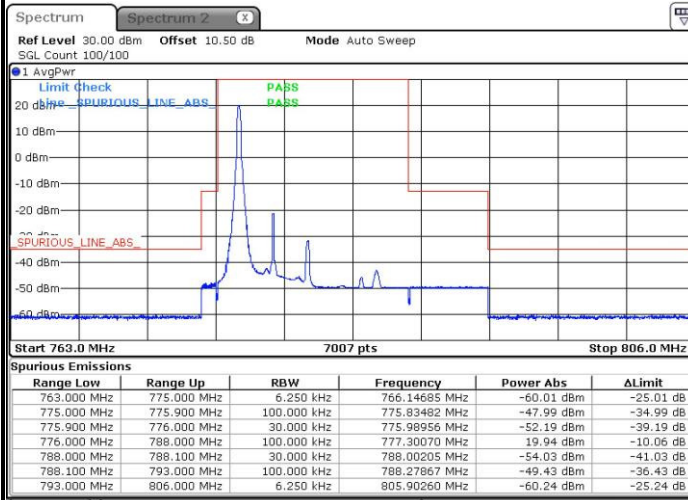
Highest Band Edge / Full RB



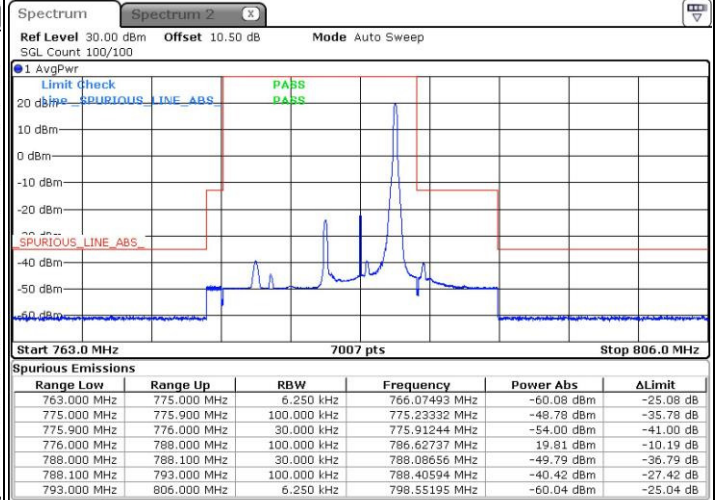


LTE Band 13 / 5MHz / 16QAM

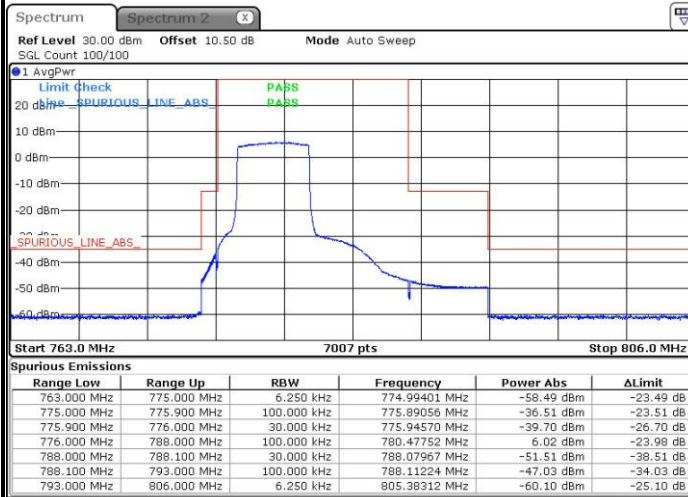
Lowest Band Edge / 1 RB



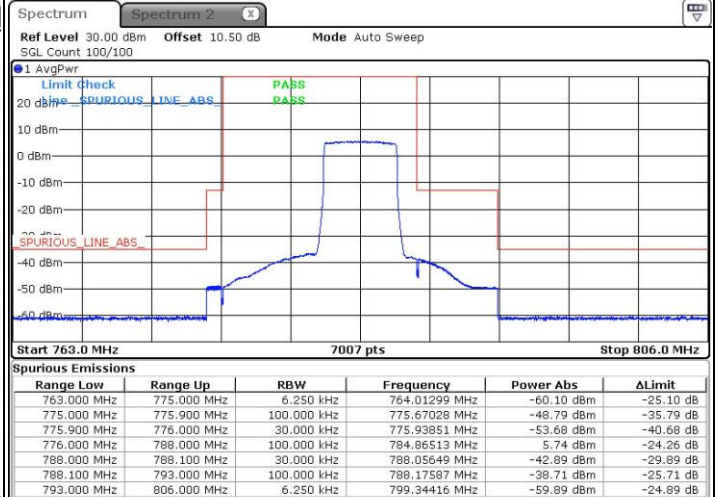
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



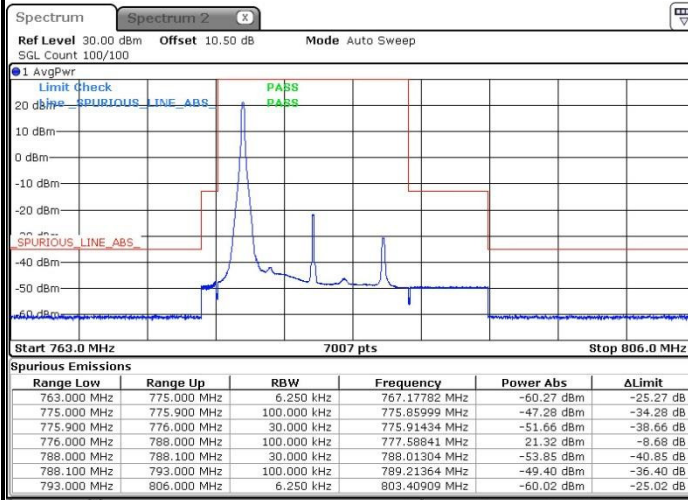
Highest Band Edge / Full RB



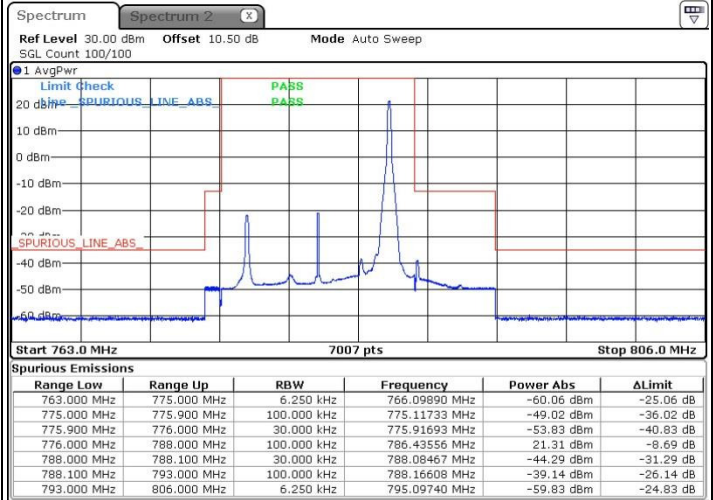


LTE Band 13 / 10MHz / QPSK

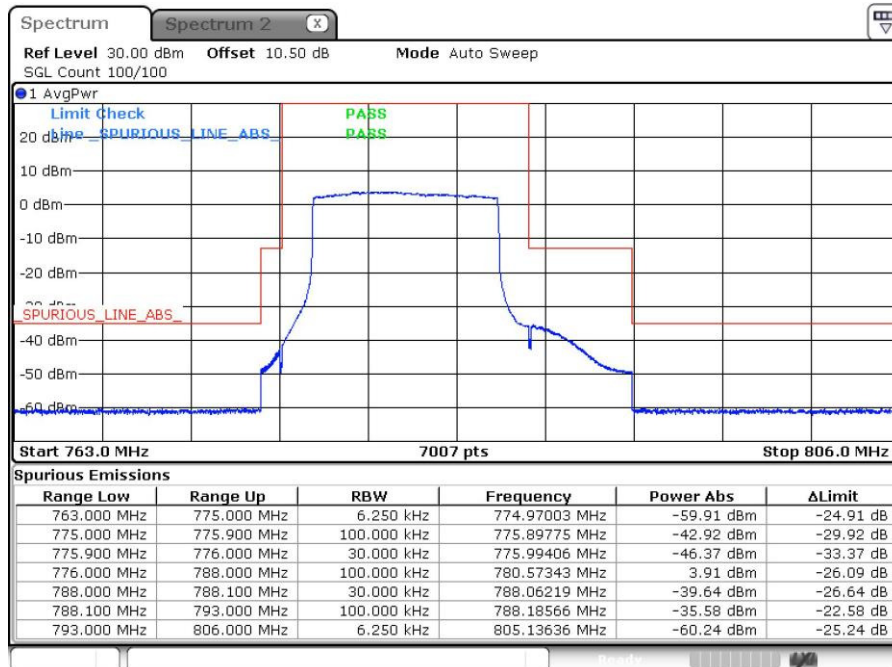
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



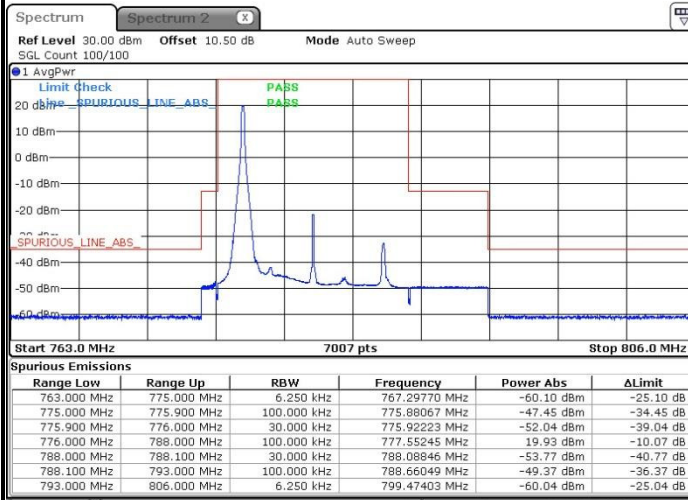
Band Edge / Full RB



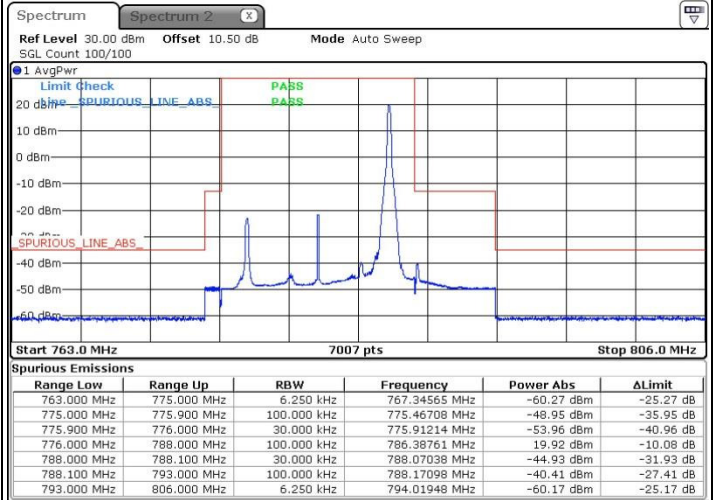


LTE Band 13 / 10MHz / 16QAM

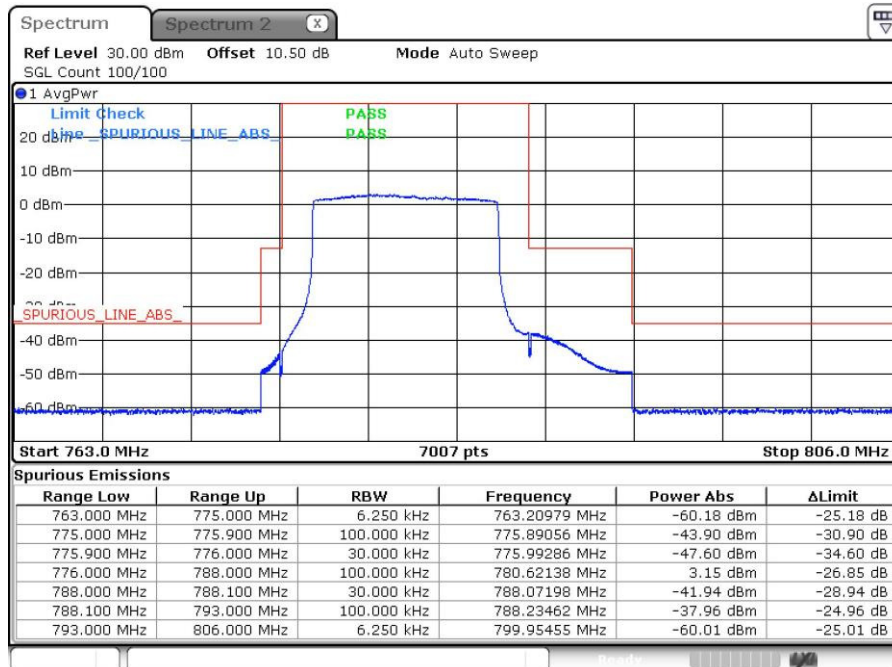
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



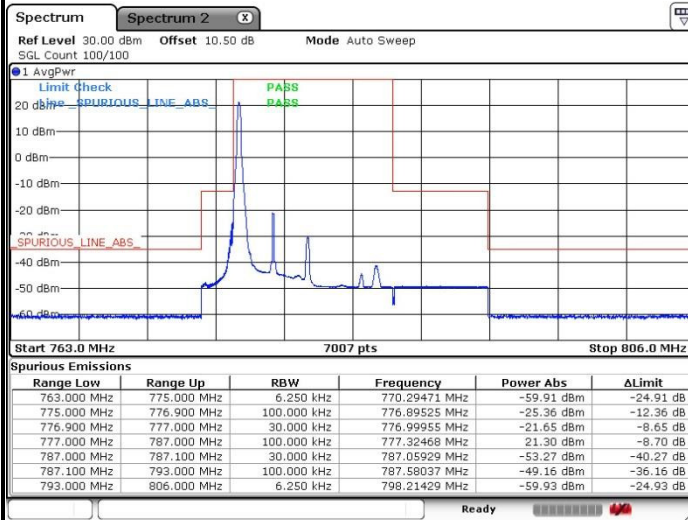
Band Edge / Full RB



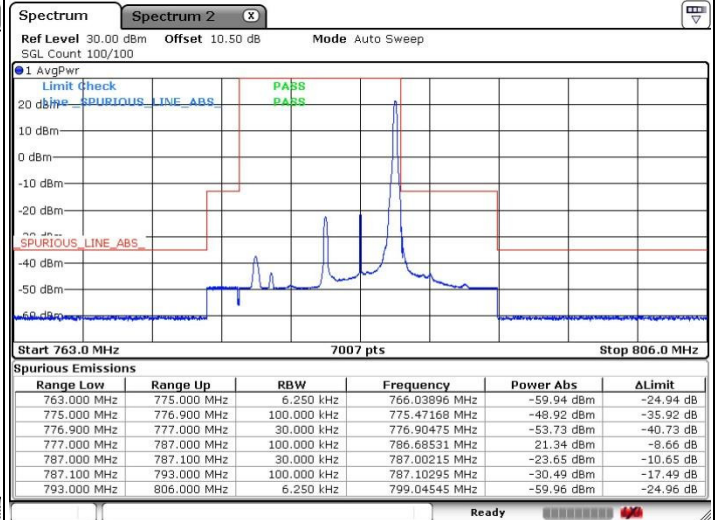


IC LTE Band 13 / 5MHz / QPSK

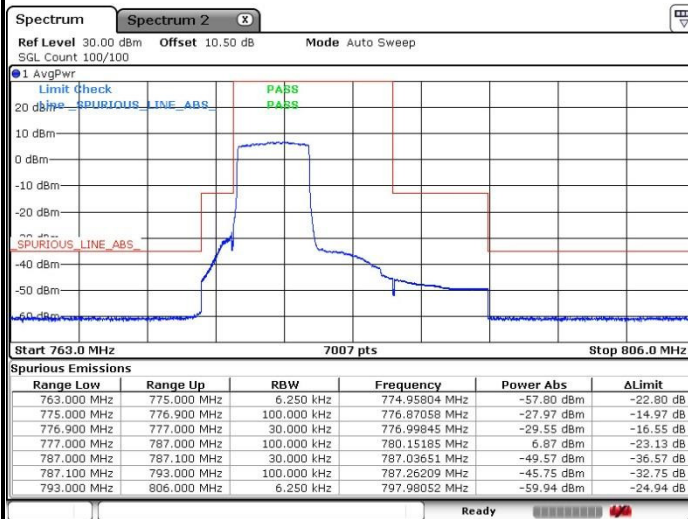
Lowest Band Edge / 1 RB



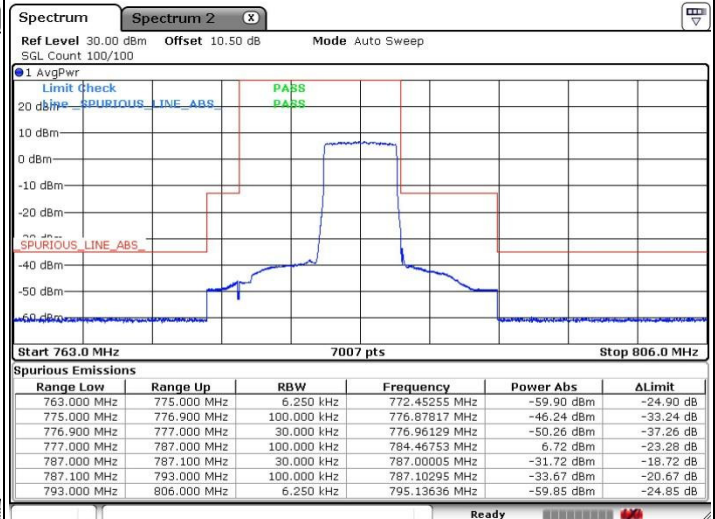
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



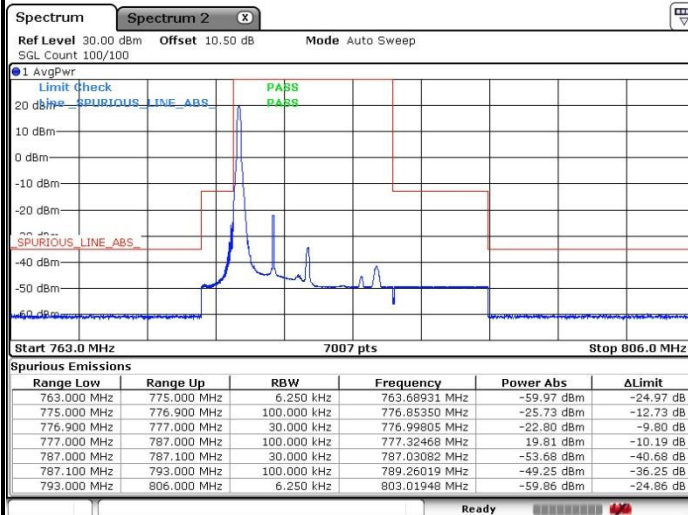
Highest Band Edge / Full RB



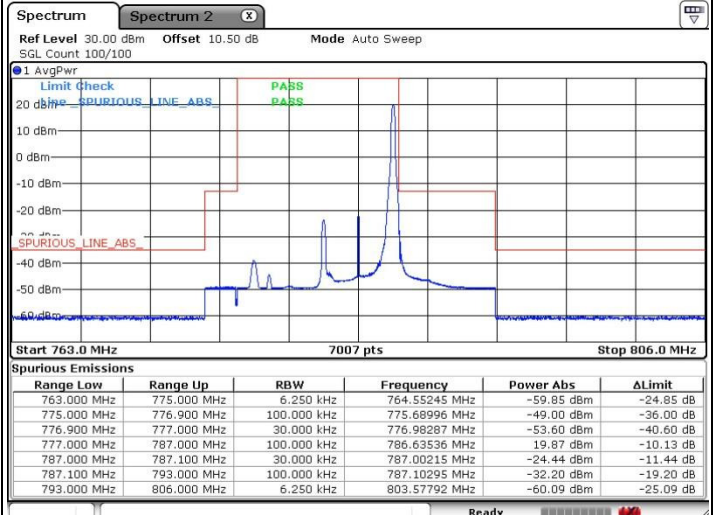


IC LTE Band 13 / 5MHz / 16QAM

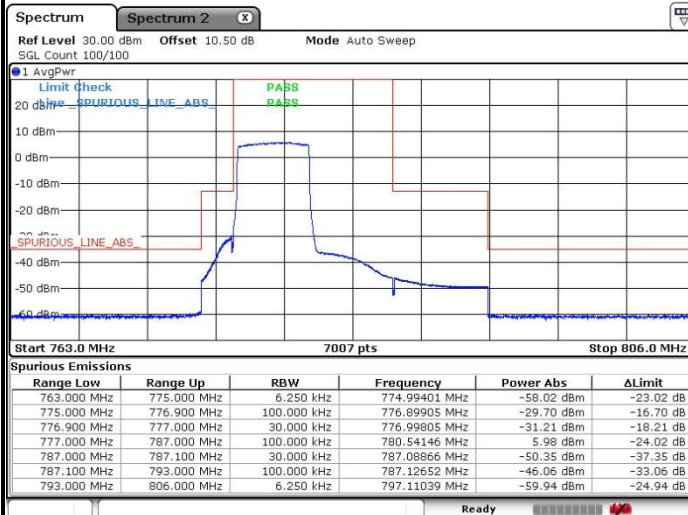
Lowest Band Edge / 1 RB



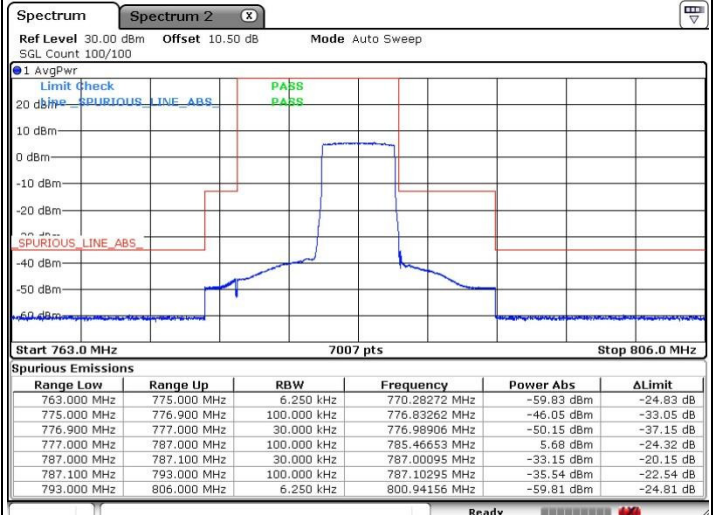
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



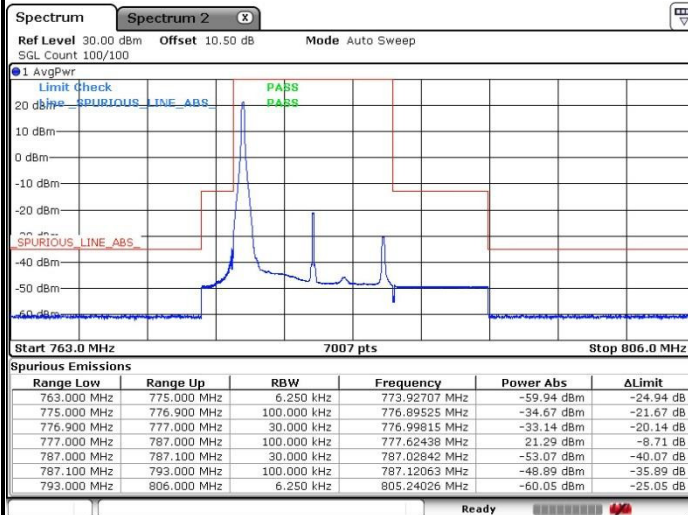
Highest Band Edge / Full RB



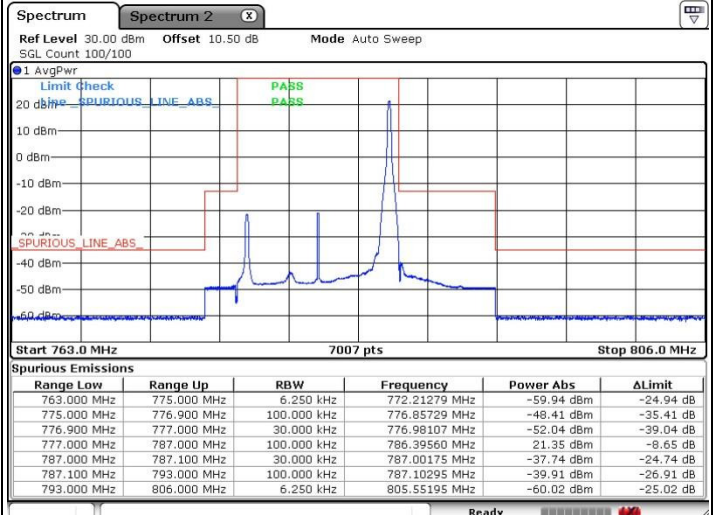


IC LTE Band 13 / 10MHz / QPSK

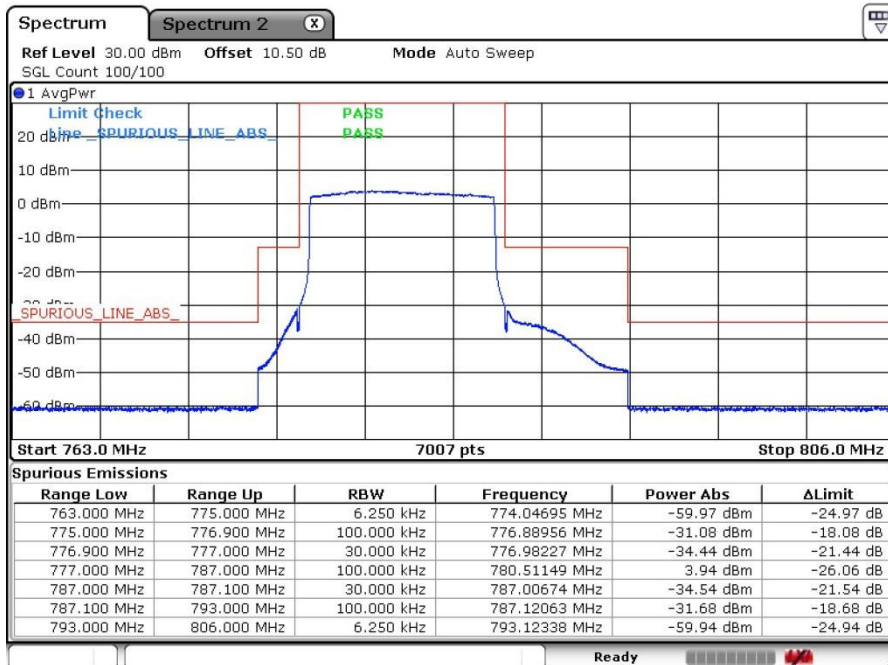
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



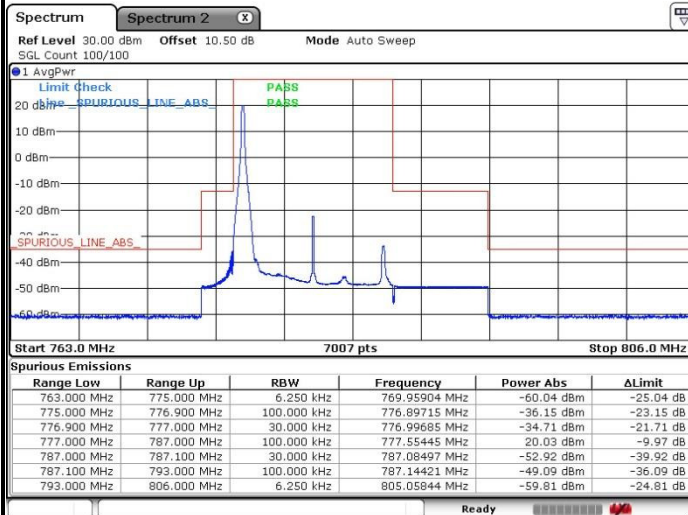
Band Edge / Full RB



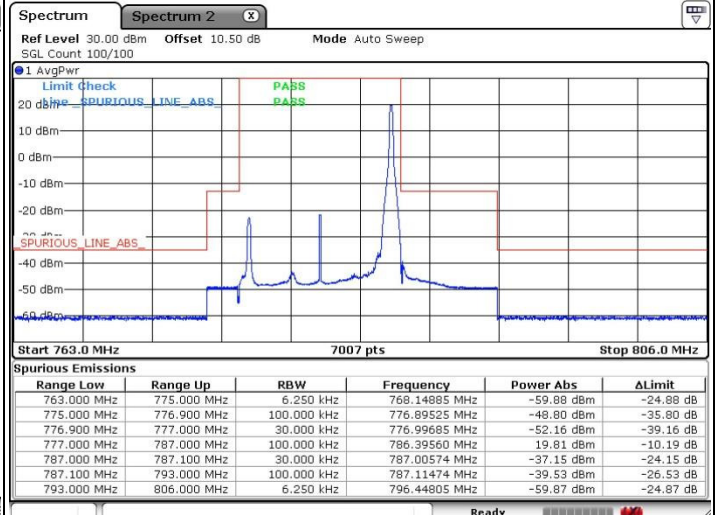


IC LTE Band 13 / 10MHz / 16QAM

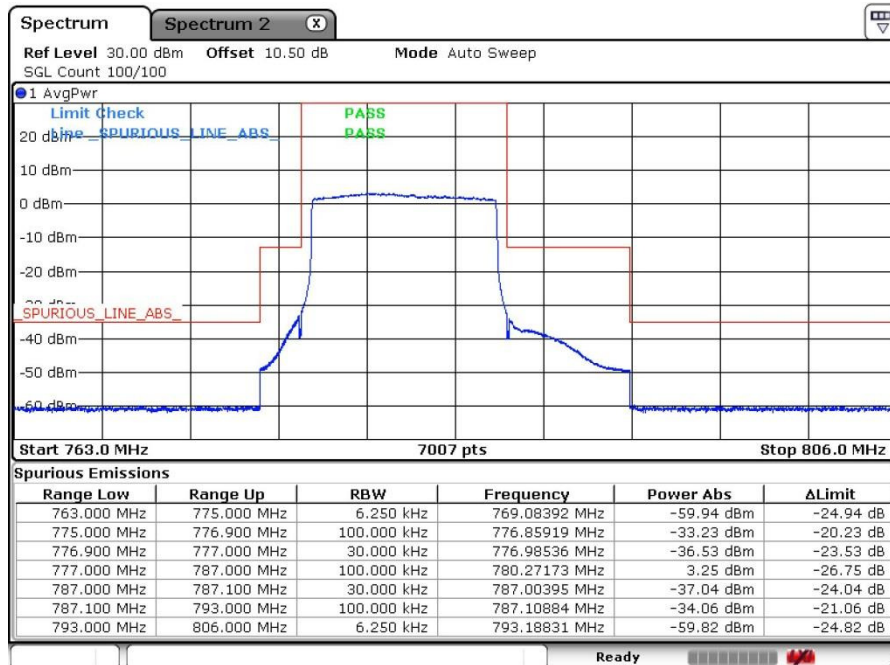
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Band Edge / Full RB



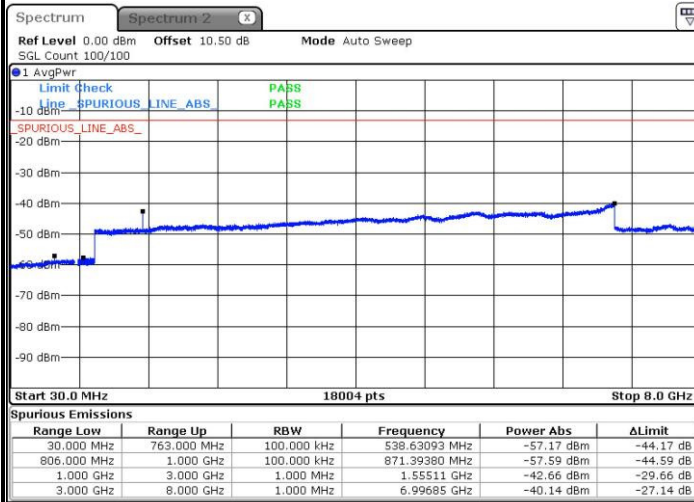


Conducted Spurious Emission



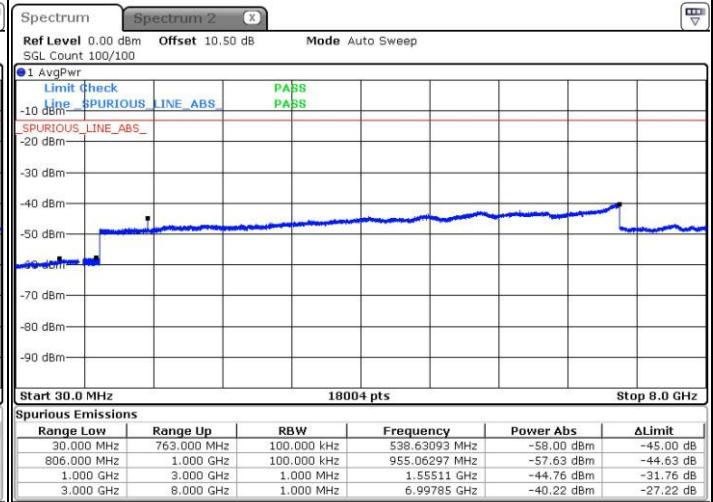
LTE Band 13 / 5MHz

Lowest Channel / QPSK



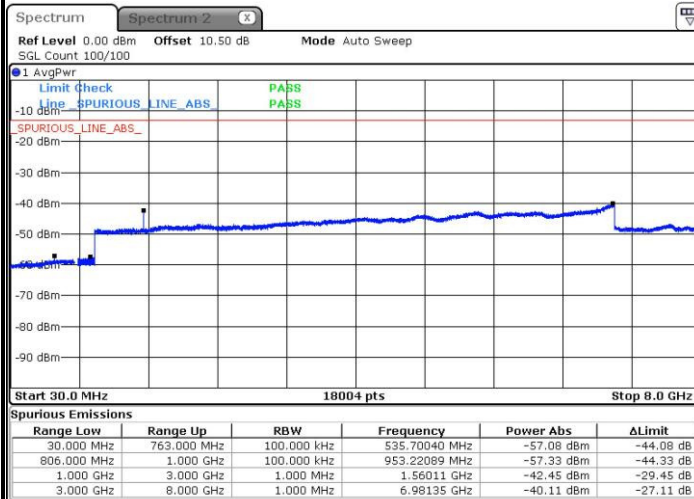
Date: 1.SEP.2016 21:13:02

Lowest Channel / 16QAM



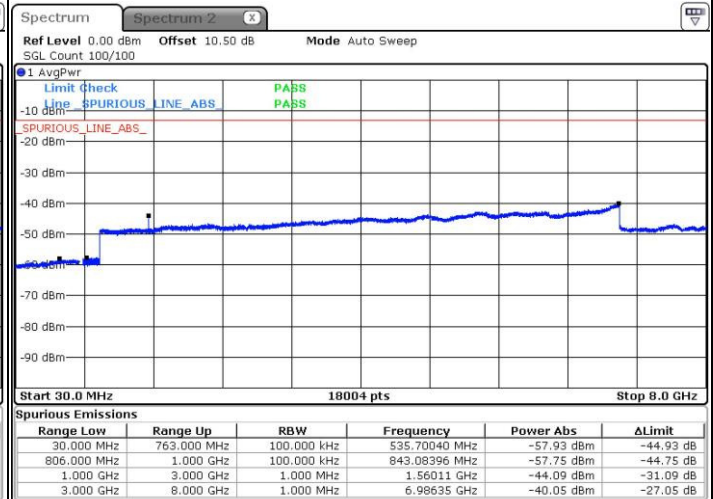
Date: 1.SEP.2016 21:14:00

Middle Channel / QPSK



Date: 1.SEP.2016 21:15:59

Middle Channel / 16QAM

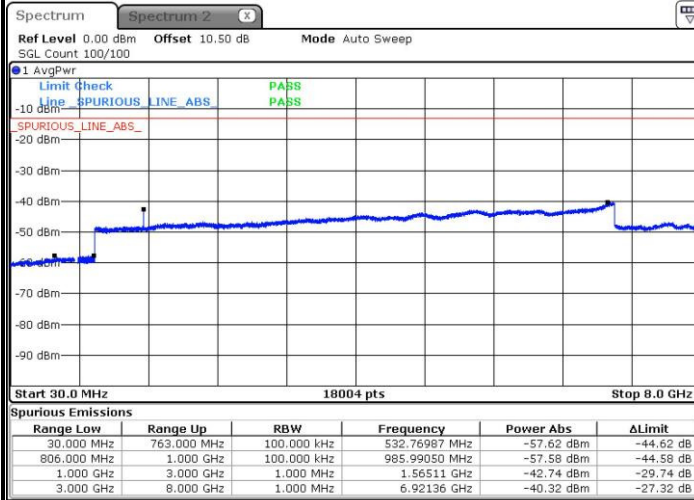


Date: 1.SEP.2016 21:14:59



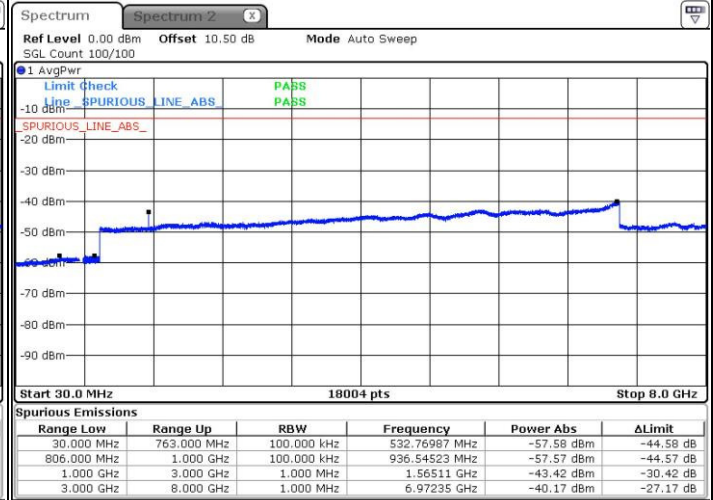
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 1.SEP.2016 21:18:27

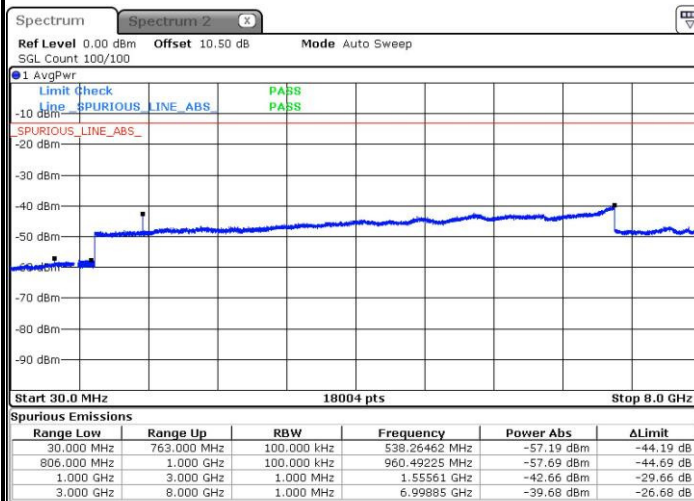
Highest Channel / 16QAM



Date: 1.SEP.2016 21:19:25

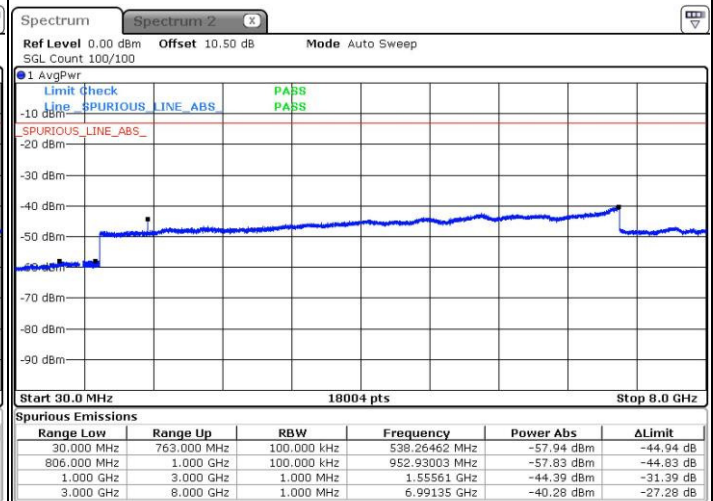
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 1.SEP.2016 21:22:08

Middle Channel / 16QAM



Date: 1.SEP.2016 21:21:11

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	0.0090	PASS
40	Normal Voltage	0.0095	
30	Normal Voltage	0.0100	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0118	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0086	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

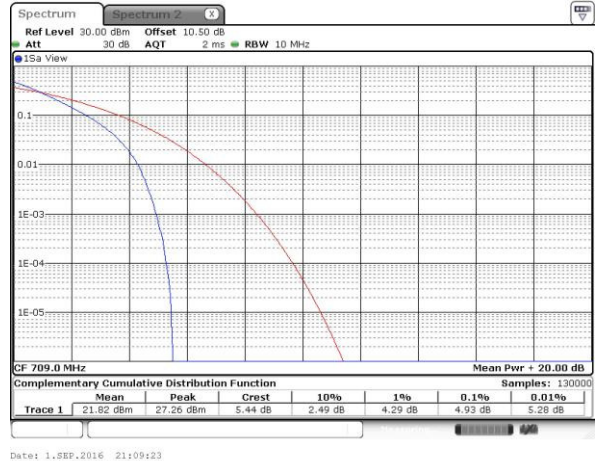
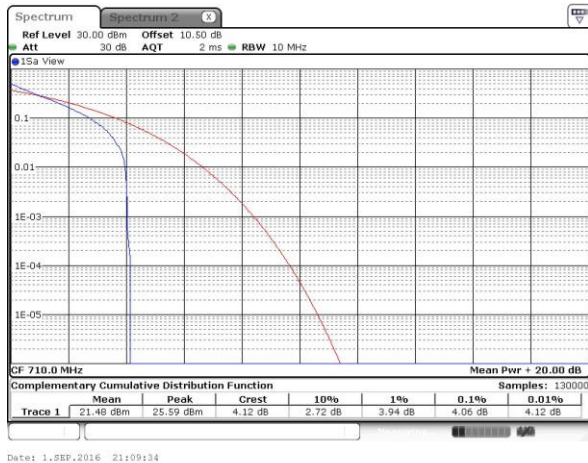
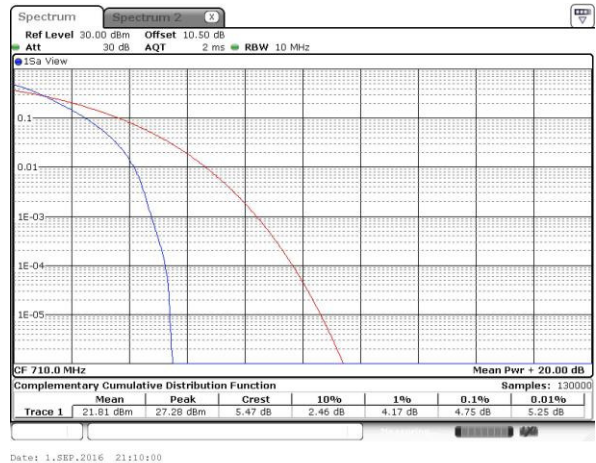
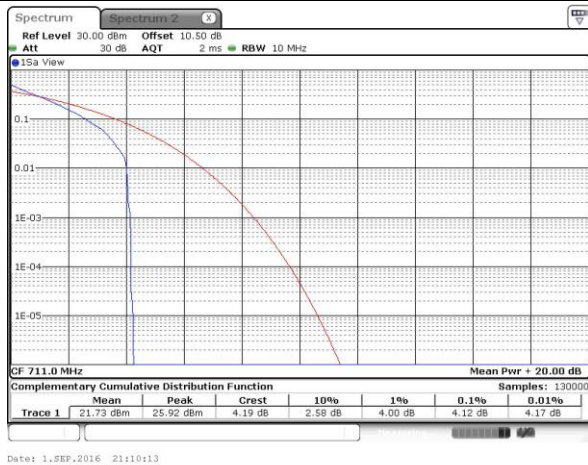
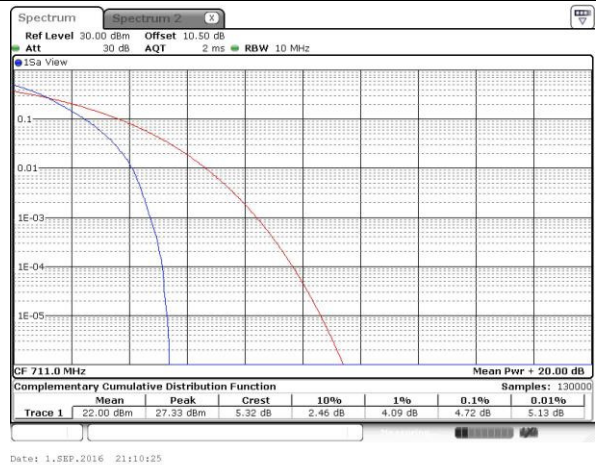


LTE Band 17

Peak-to-Average Ratio

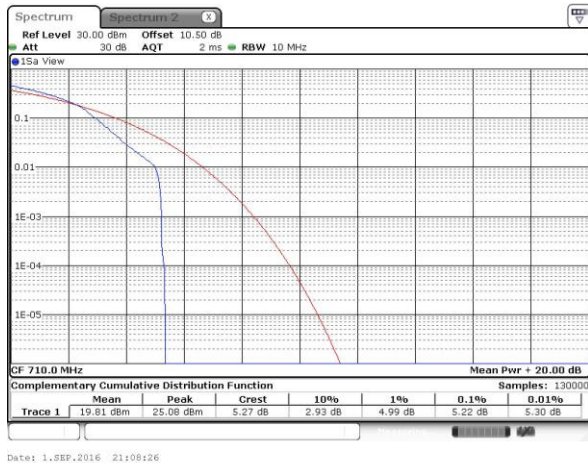
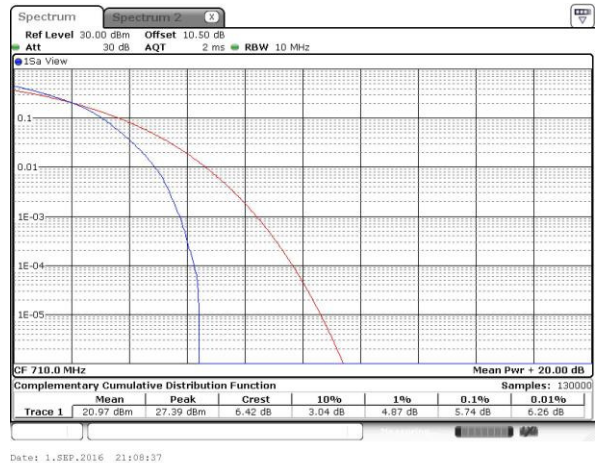
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.83	4.93	4.7	5.71	PASS
Middle CH	4.06	4.75	5.22	5.74	
Highest CH	4.12	4.72	4.96	5.71	

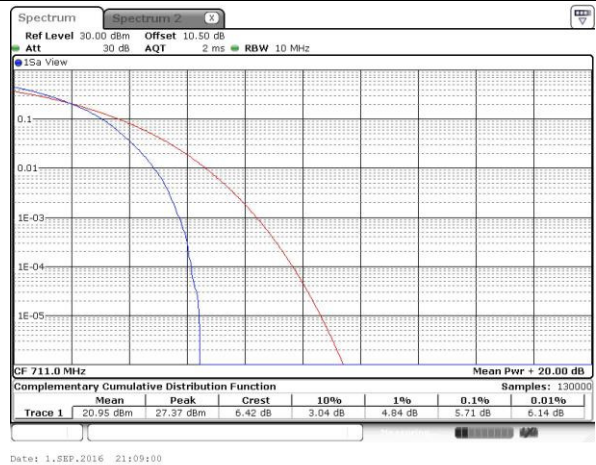
LTE Band 17 / 10MHz / QPSK
Lowest Channel / 1RB

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


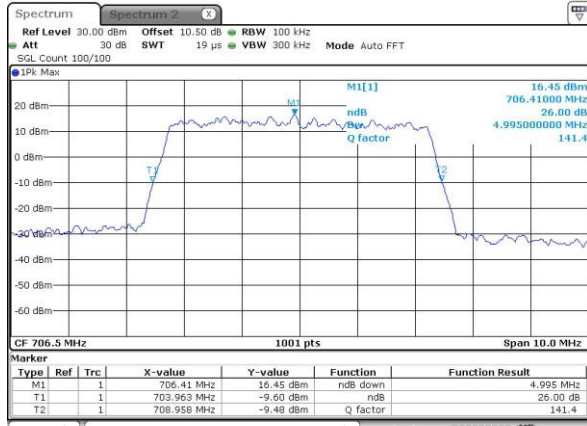
**26dB Bandwidth**

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	-	-	-	-	4.995	4.925	9.83	9.75	-	-	-	-
Middle CH	-	-	-	-	4.945	4.875	9.79	9.75	-	-	-	-
Highest CH	-	-	-	-	4.915	4.885	9.83	9.71	-	-	-	-



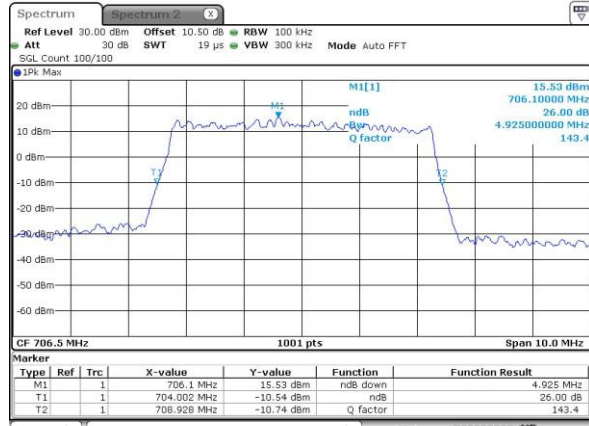
LTE Band 17

Lowest Channel / 5MHz / QPSK



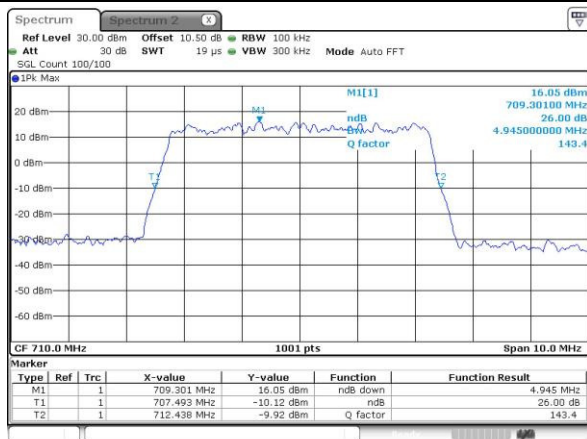
Date: 1,SEP,2016 20:33:18

Lowest Channel / 5MHz / 16QAM



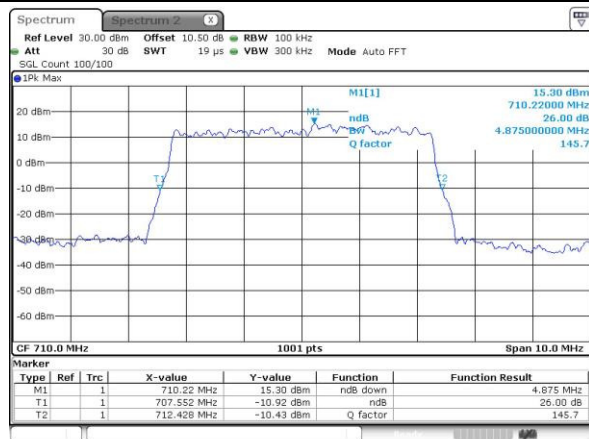
Date: 1,SEP,2016 20:33:30

Middle Channel / 5MHz / QPSK



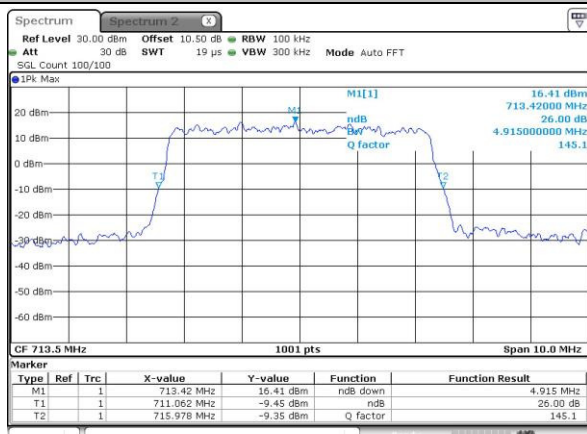
Date: 1,SEP,2016 20:40:41

Middle Channel / 5MHz / 16QAM



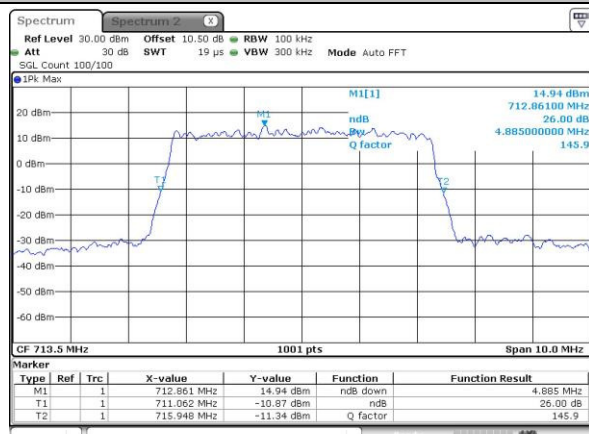
Date: 1,SEP,2016 20:40:52

Highest Channel / 5MHz / QPSK



Date: 1,SEP,2016 20:43:25

Highest Channel / 5MHz / 16QAM



Date: 1,SEP,2016 20:43:36