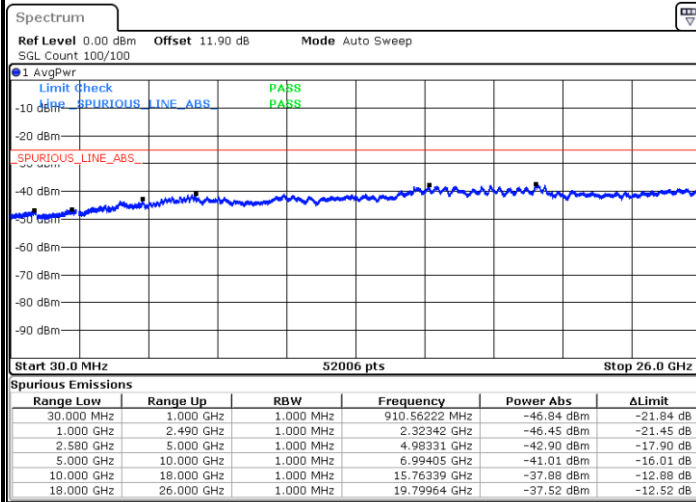




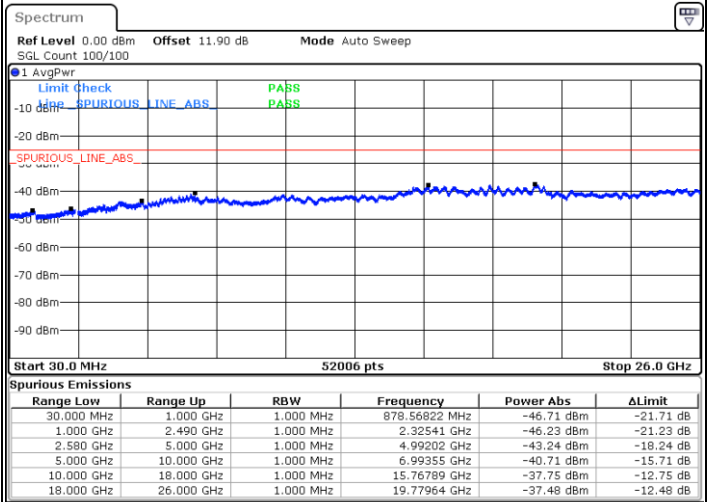
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 9 AUG. 2017 16:46:33

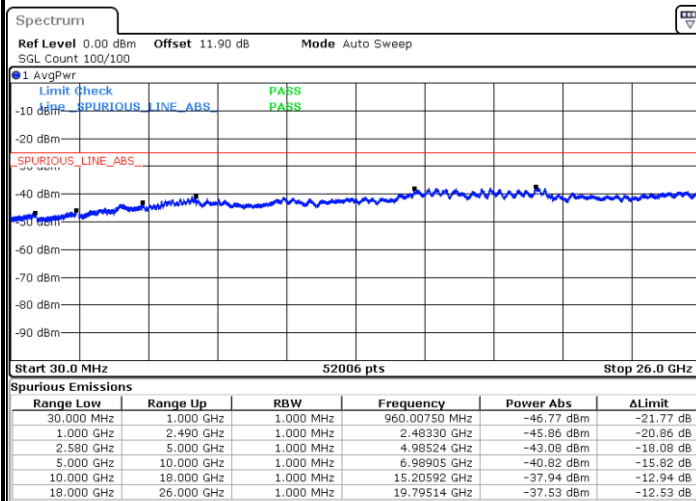
Highest Channel / 16QAM



Date: 9 AUG. 2017 16:49:54

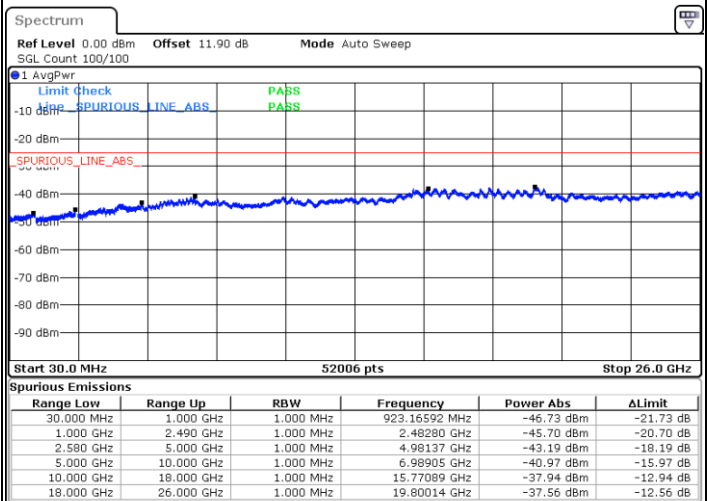
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 9 AUG. 2017 17:11:31

Lowest Channel / 16QAM

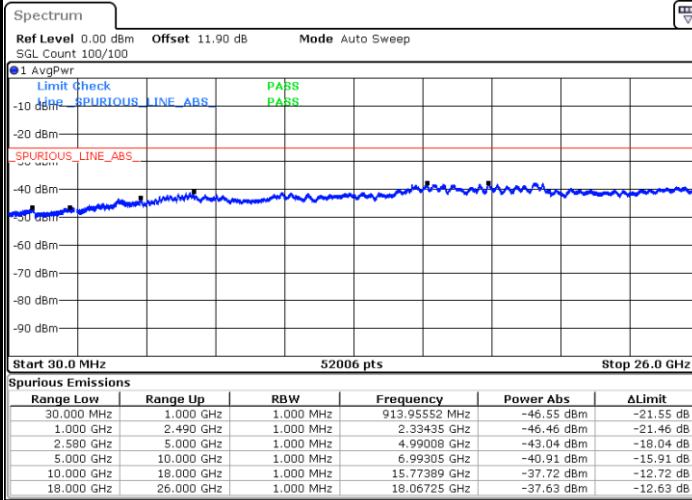


Date: 9 AUG. 2017 17:12:24



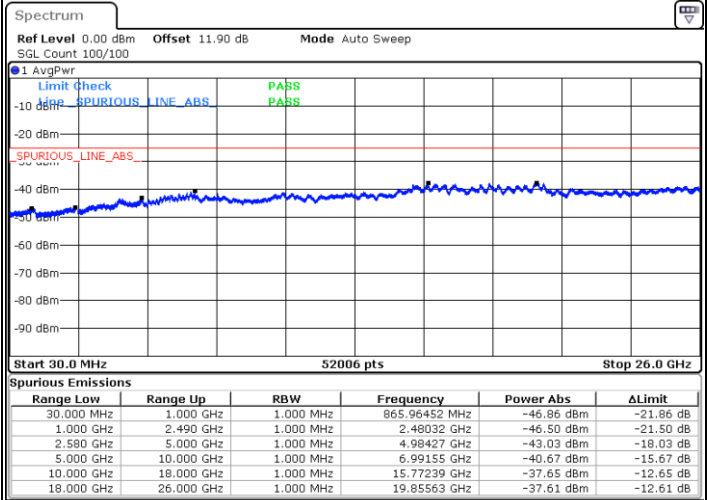
LTE Band 7 / 10MHz

Middle Channel / QPSK



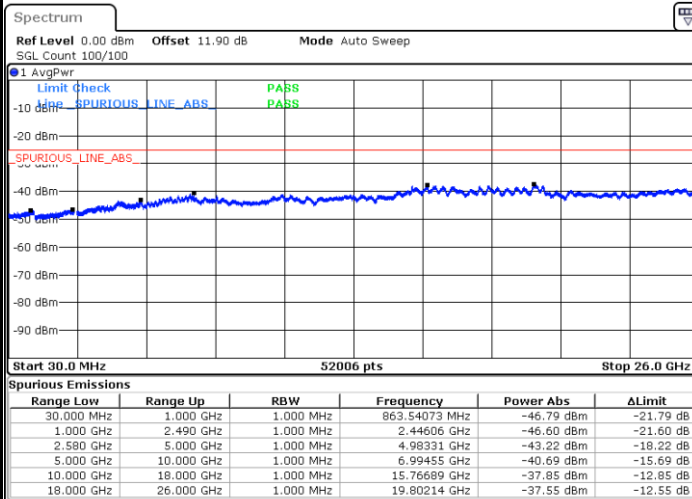
Date: 9 AUG 2017 17:13:57

Middle Channel / 16QAM



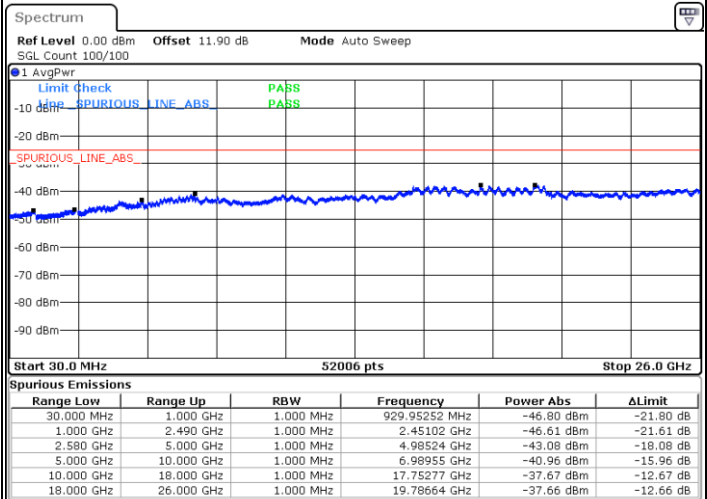
Date: 9 AUG 2017 17:14:50

Highest Channel / QPSK



Date: 9 AUG 2017 17:21:01

Highest Channel / 16QAM

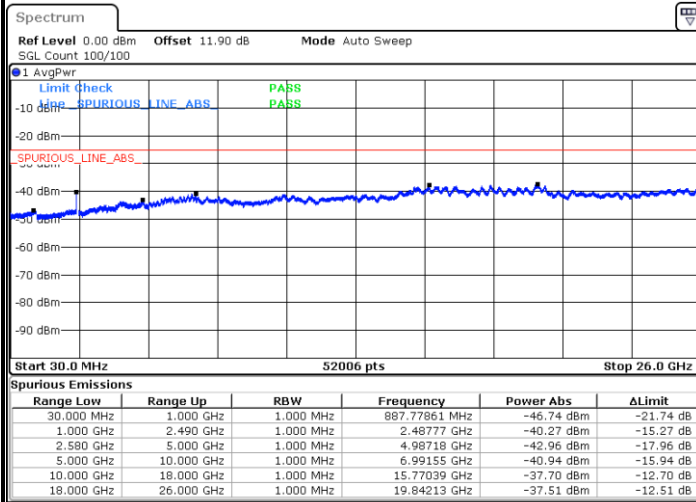


Date: 9 AUG 2017 17:21:54



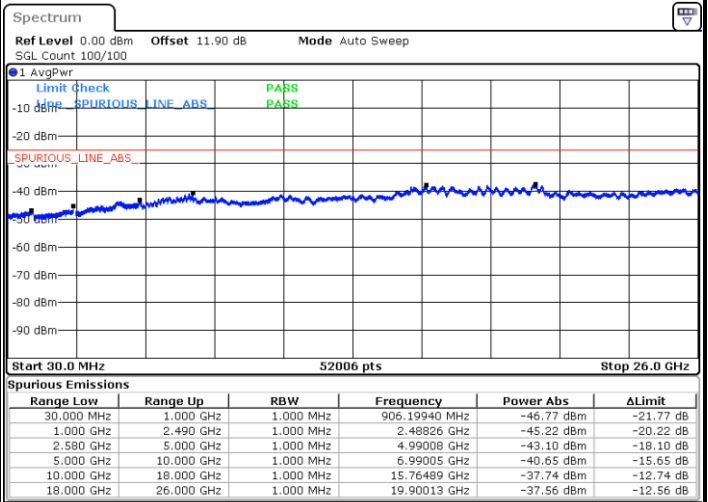
LTE Band 7 / 15MHz

Lowest Channel / QPSK



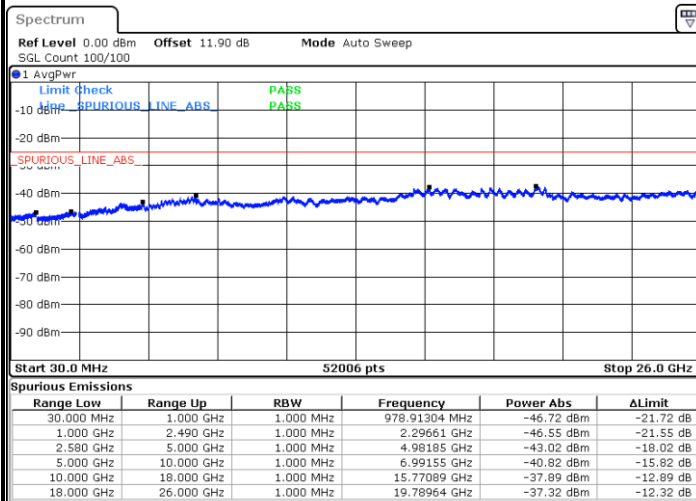
Date: 9 AUG 2017 17:28:04

Lowest Channel / 16QAM



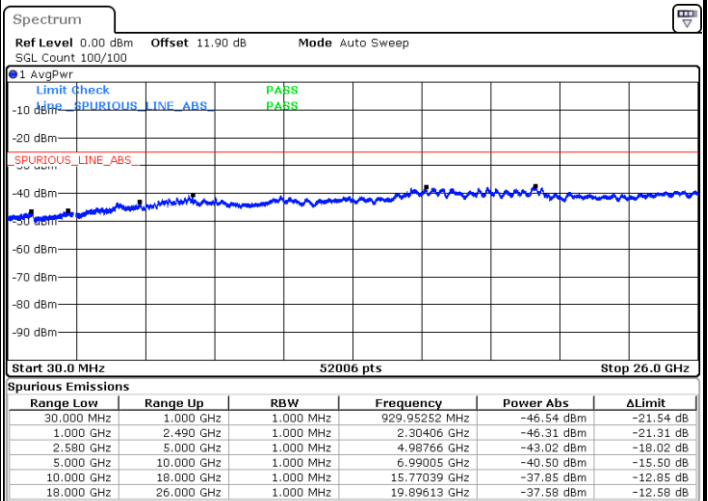
Date: 9 AUG 2017 17:28:57

Middle Channel / QPSK



Date: 9 AUG 2017 17:30:31

Middle Channel / 16QAM

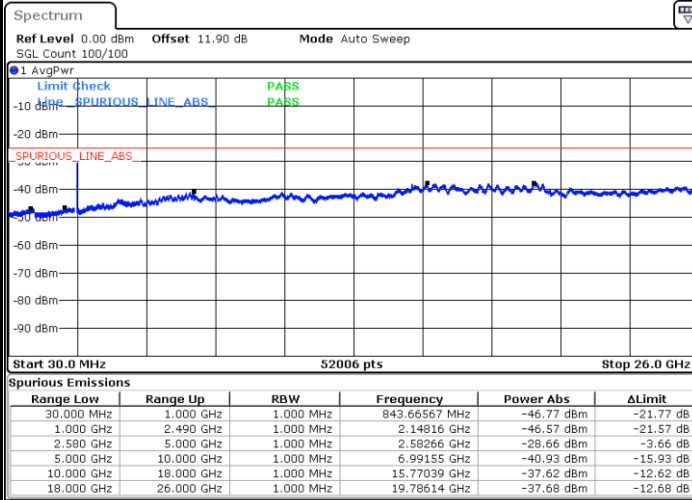


Date: 9 AUG 2017 17:31:24



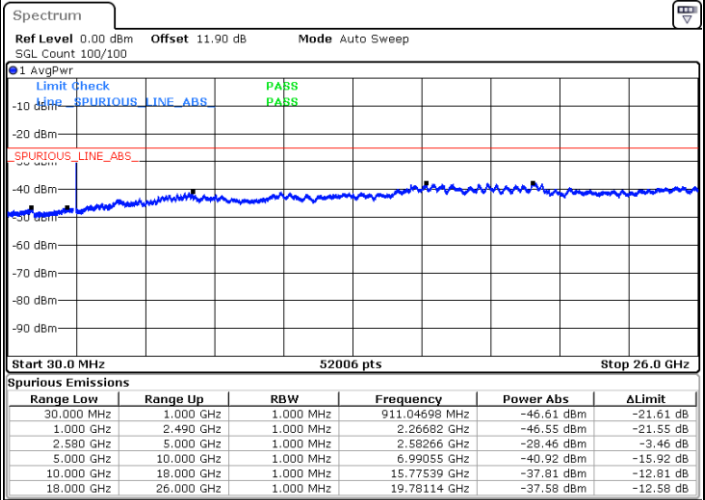
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 9 AUG. 2017 17:37:34

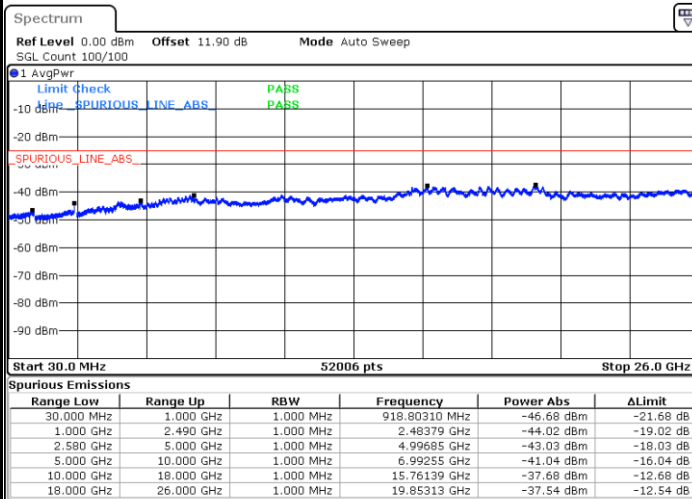
Highest Channel / 16QAM



Date: 9 AUG. 2017 17:38:27

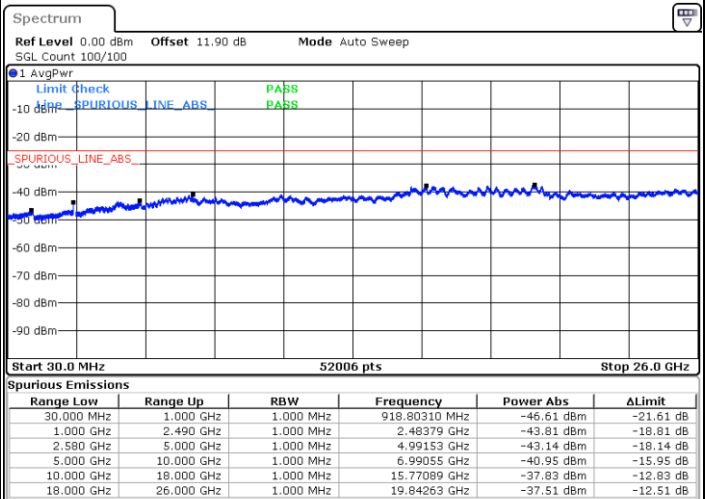
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 9 AUG. 2017 17:44:38

Lowest Channel / 16QAM

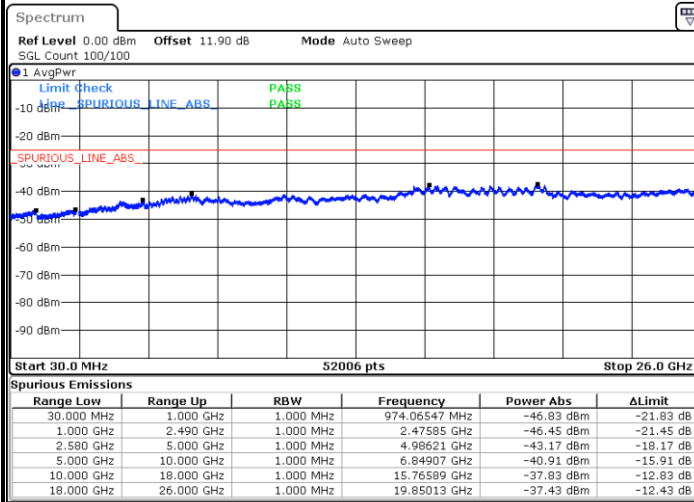


Date: 9 AUG. 2017 17:45:31



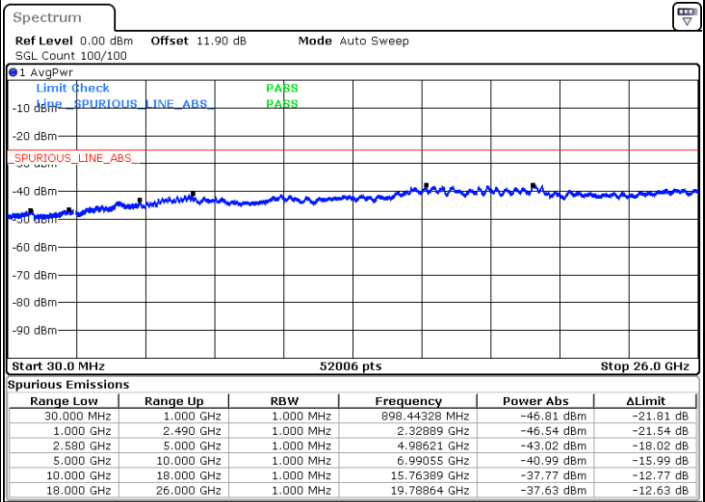
LTE Band 7 / 20MHz

Middle Channel / QPSK



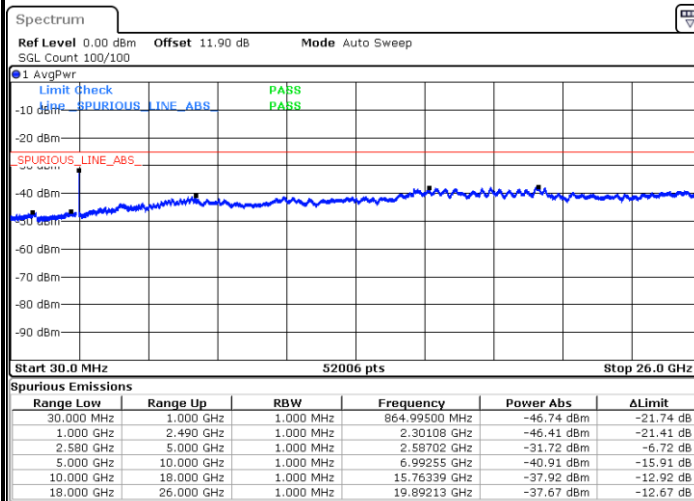
Date: 9 AUG 2017 17:47:04

Middle Channel / 16QAM



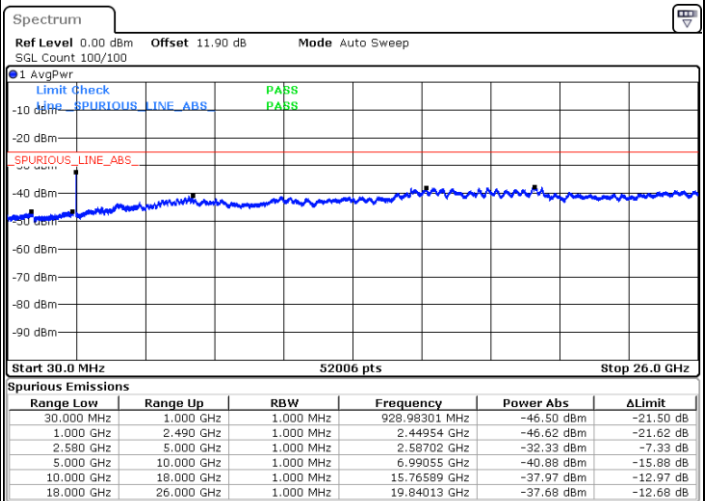
Date: 9 AUG 2017 17:47:57

Highest Channel / QPSK



Date: 9 AUG 2017 17:54:08

Highest Channel / 16QAM



Date: 9 AUG 2017 17:55:01

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0084	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0092	
-30	Normal Voltage	0.0091	
20	Maximum Voltage	0.0094	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

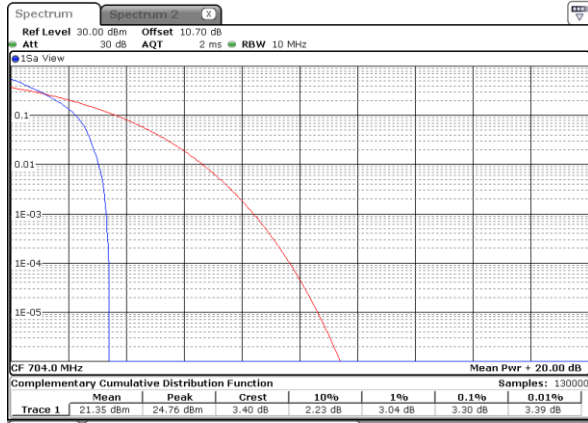
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.3	4.38	4.38	5.39	PASS
Middle CH	3.71	4.58	4.78	5.36	
Highest CH	3.48	4.64	4.55	5.54	



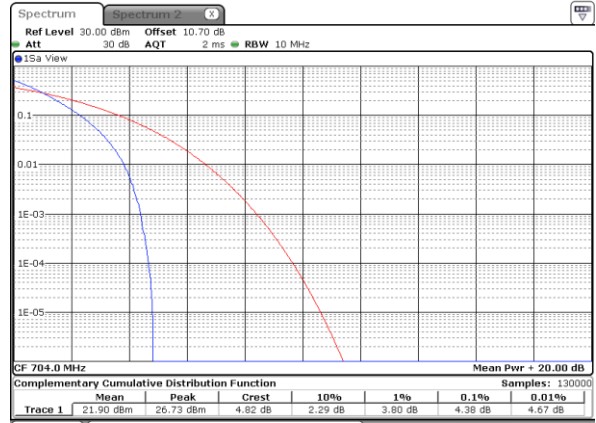
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



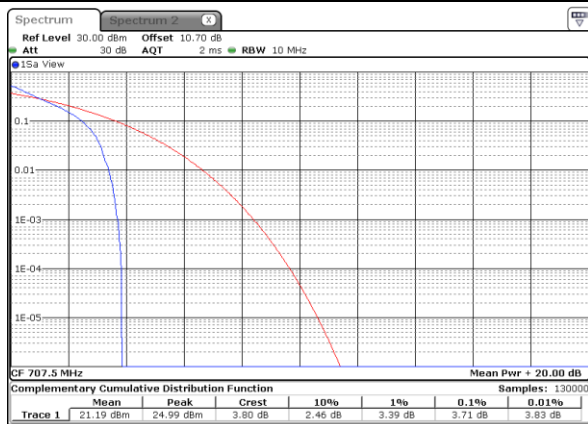
Date: 8 AUG 2017 23:41:01

Lowest Channel / Full RB



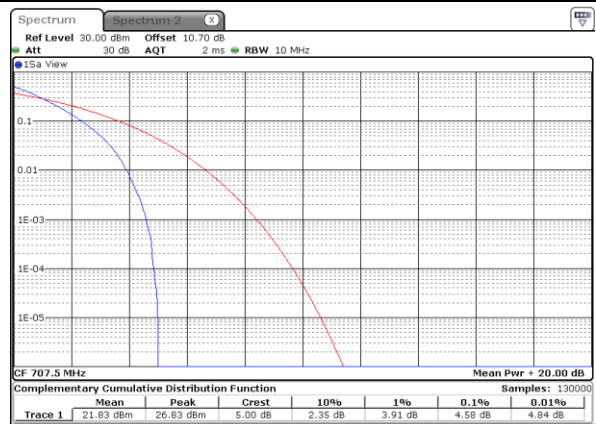
Date: 8 AUG 2017 23:40:50

Middle Channel / 1RB



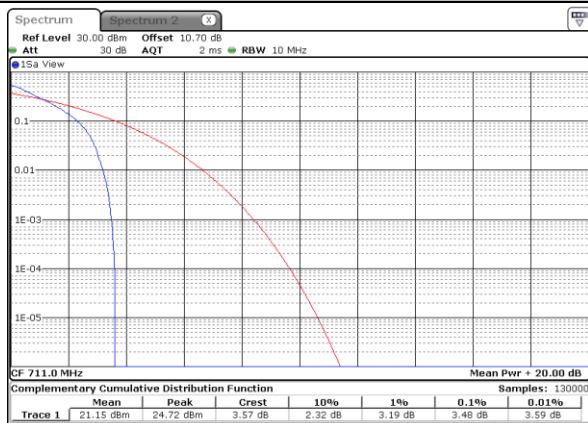
Date: 8 AUG 2017 23:41:17

Middle Channel / Full RB



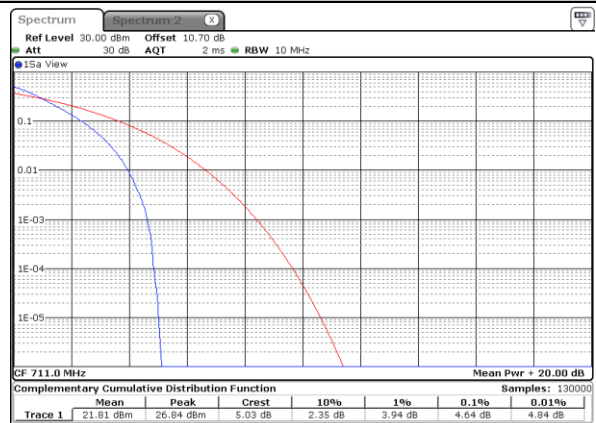
Date: 8 AUG 2017 23:41:26

Highest Channel / 1RB



Date: 8 AUG 2017 23:41:48

Highest Channel / Full RB

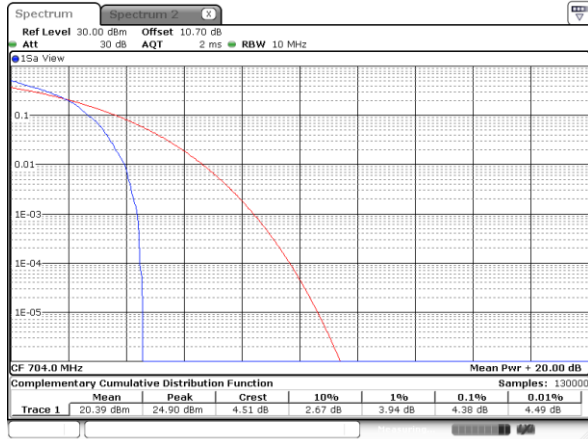


Date: 8 AUG 2017 23:41:36



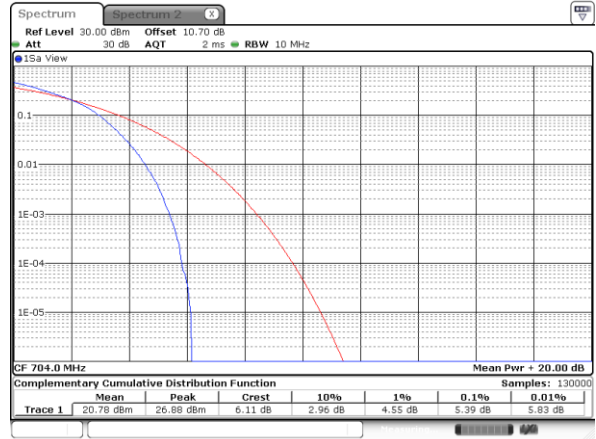
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



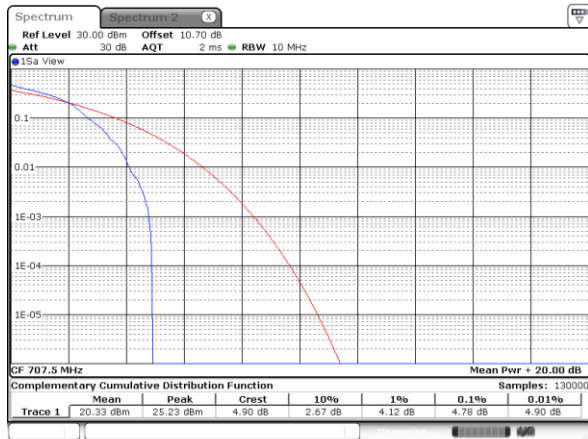
Date: 8 AUG 2017 23:40:00

Lowest Channel / Full RB



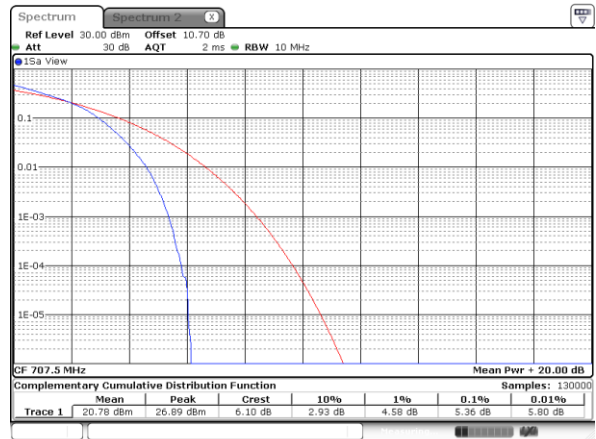
Date: 8 AUG 2017 23:39:52

Middle Channel / 1RB



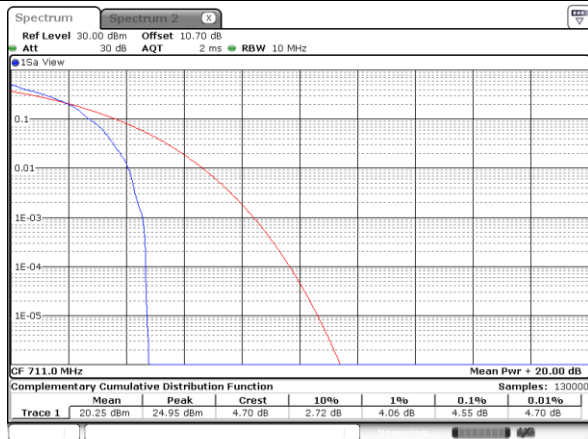
Date: 8 AUG 2017 23:40:09

Middle Channel / Full RB



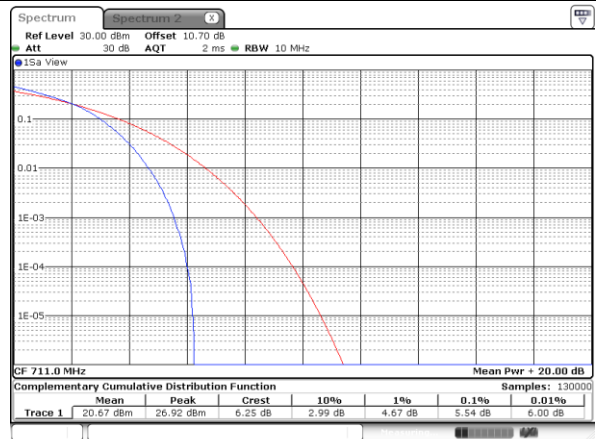
Date: 8 AUG 2017 23:40:18

Highest Channel / 1RB



Date: 8 AUG 2017 23:40:35

Highest Channel / Full RB



Date: 8 AUG 2017 23:40:27



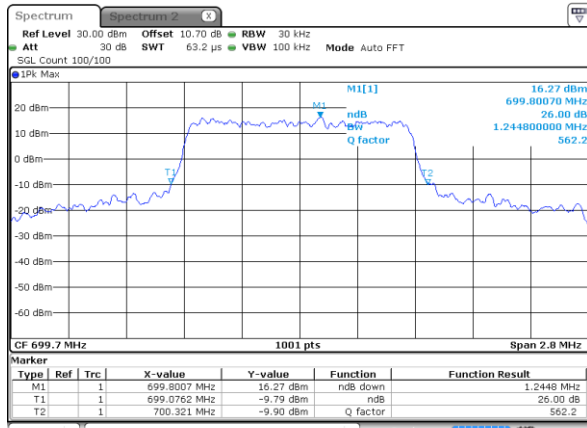
26dB Bandwidth

Mode	LTE Band 12 : 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	1.25	1.29	3.02	3.01	5.04	5.04	9.97	9.77	-	-	-	-
Middle CH	1.27	1.26	3.00	3.00	4.90	5.07	10.01	9.97	-	-	-	-
Highest CH	1.23	1.26	2.97	2.99	5.01	5.04	9.83	9.93	-	-	-	-

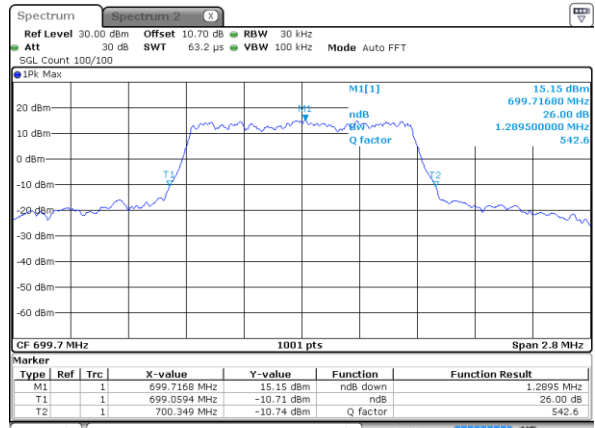


LTE Band 12

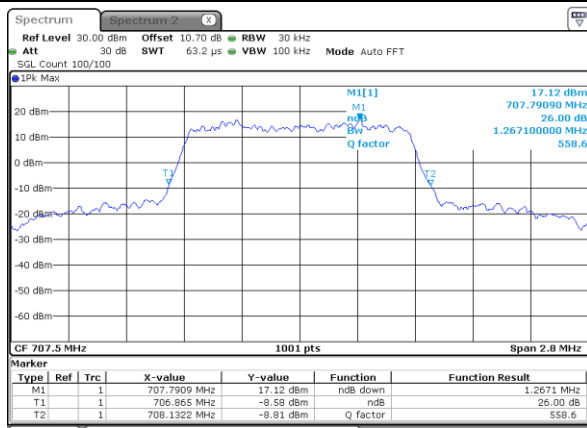
Lowest Channel / 1.4MHz / QPSK



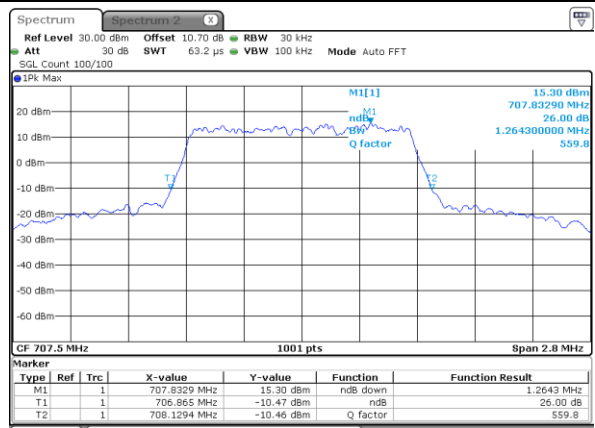
Lowest Channel / 1.4MHz / 16QAM



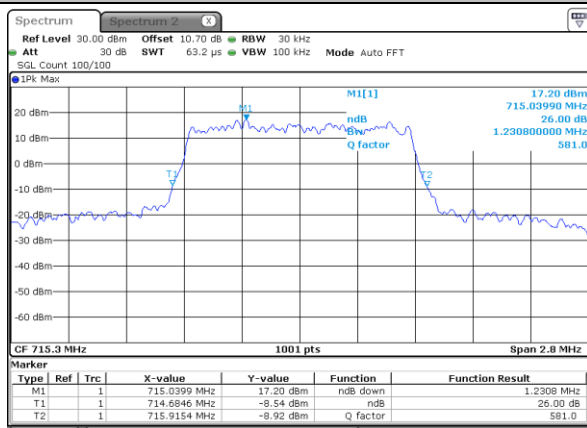
Middle Channel / 1.4MHz / QPSK



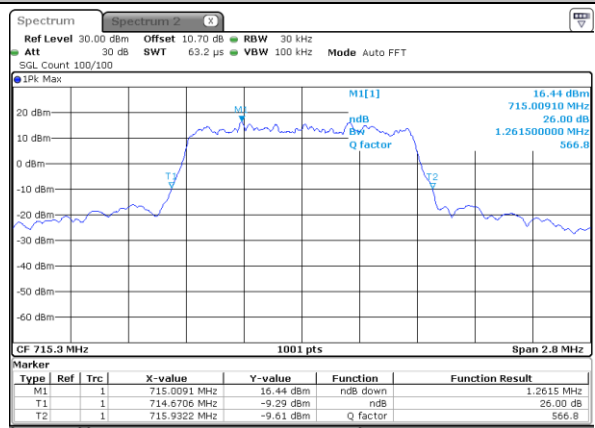
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



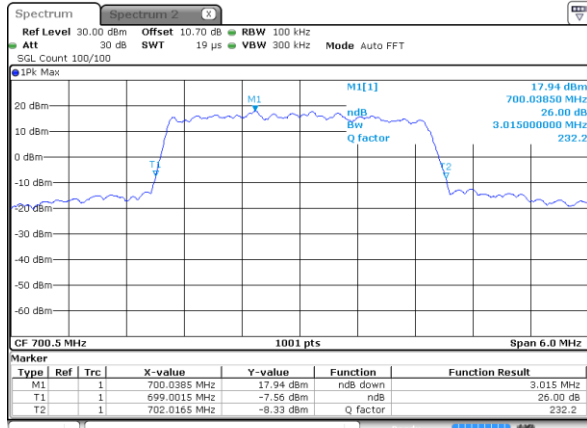
Highest Channel / 1.4MHz / 16QAM





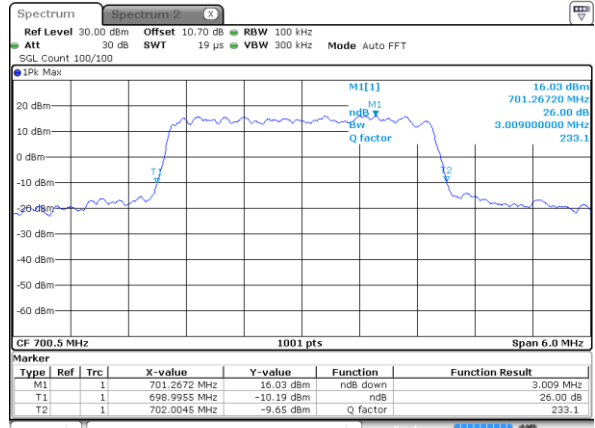
LTE Band 12

Lowest Channel / 3MHz / QPSK



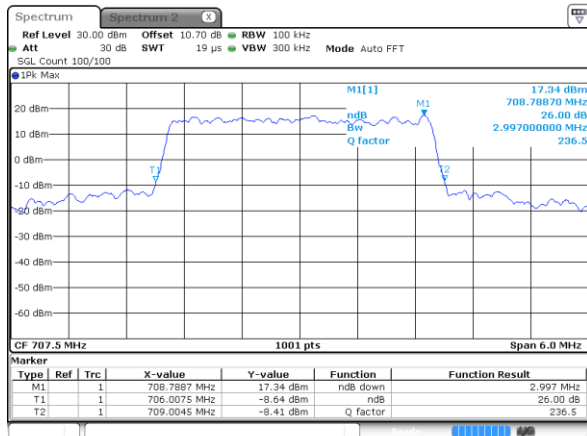
Date: 8 AUG 2017 21:44:13

Lowest Channel / 3MHz / 16QAM



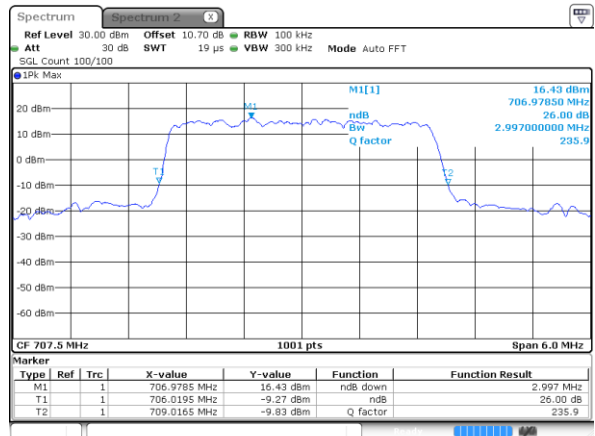
Date: 8 AUG 2017 21:44:03

Middle Channel / 3MHz / QPSK



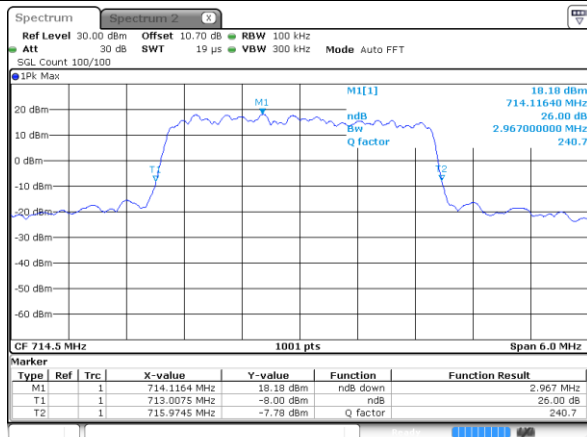
Date: 8 AUG 2017 21:51:06

Middle Channel / 3MHz / 16QAM



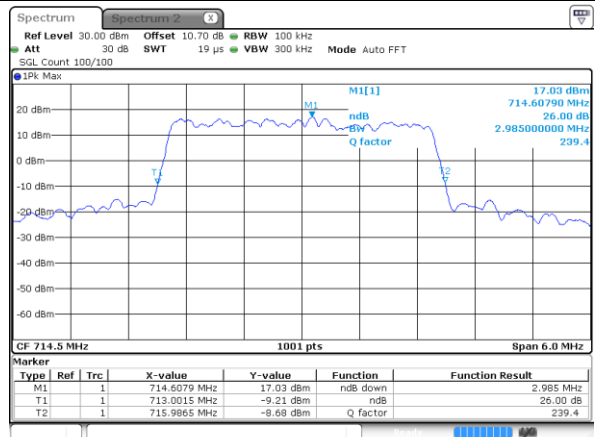
Date: 8 AUG 2017 21:51:16

Highest Channel / 3MHz / QPSK



Date: 8 AUG 2017 21:53:43

Highest Channel / 3MHz / 16QAM

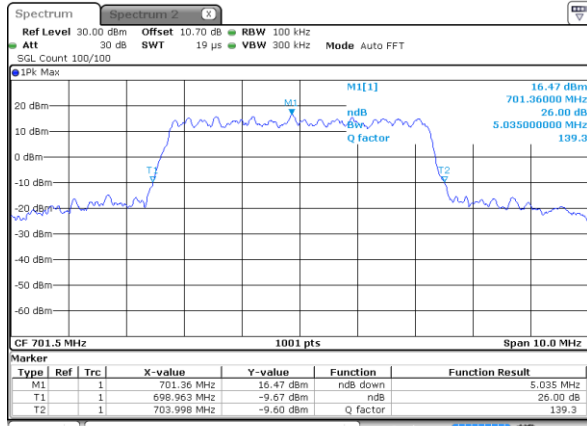


Date: 8 AUG 2017 21:53:33



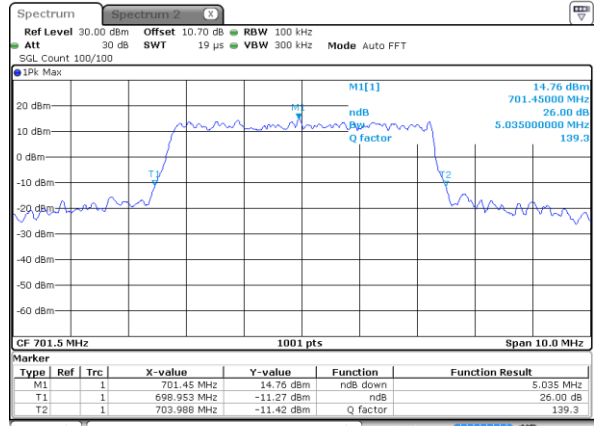
LTE Band 12

Lowest Channel / 5MHz / QPSK



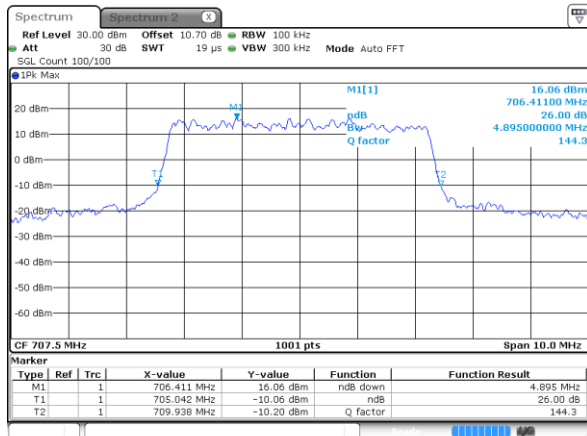
Date: 8 AUG 2017 22:07:58

Lowest Channel / 5MHz / 16QAM



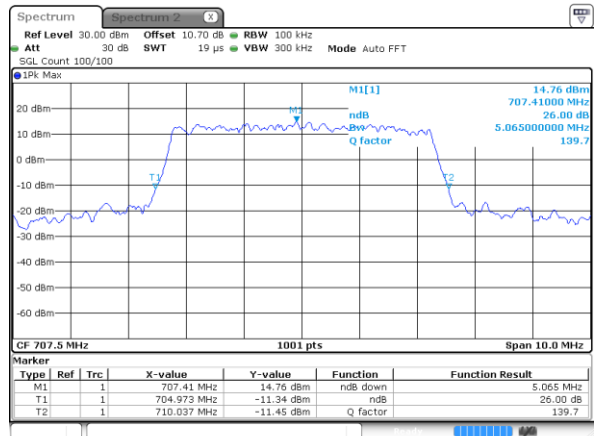
Date: 8 AUG 2017 22:07:48

Middle Channel / 5MHz / QPSK



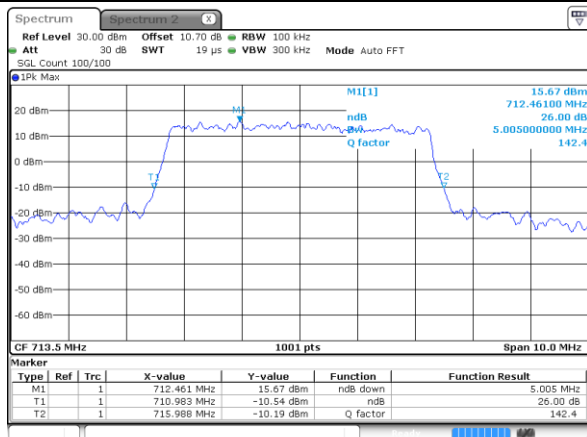
Date: 8 AUG 2017 22:14:50

Middle Channel / 5MHz / 16QAM



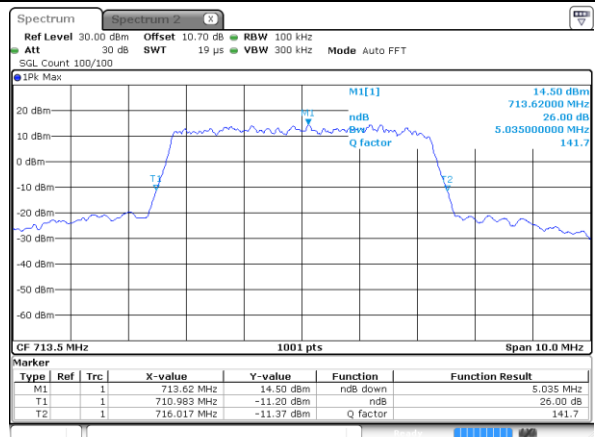
Date: 8 AUG 2017 22:15:00

Highest Channel / 5MHz / QPSK



Date: 8 AUG 2017 22:17:28

Highest Channel / 5MHz / 16QAM

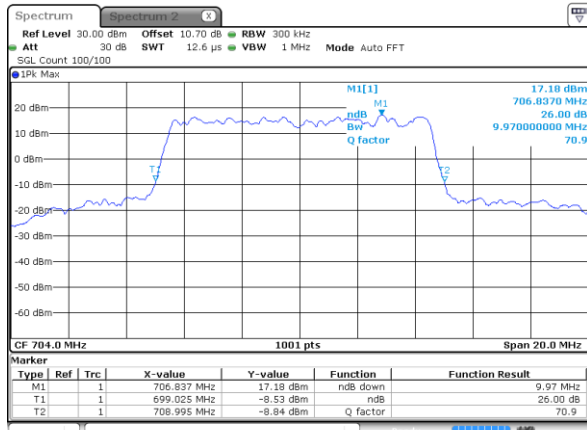


Date: 8 AUG 2017 22:17:18

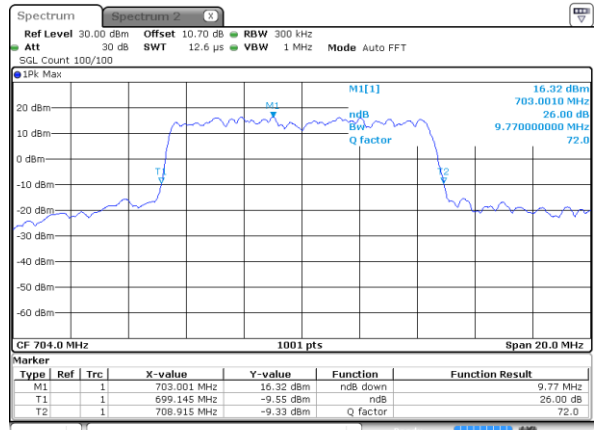


LTE Band 12

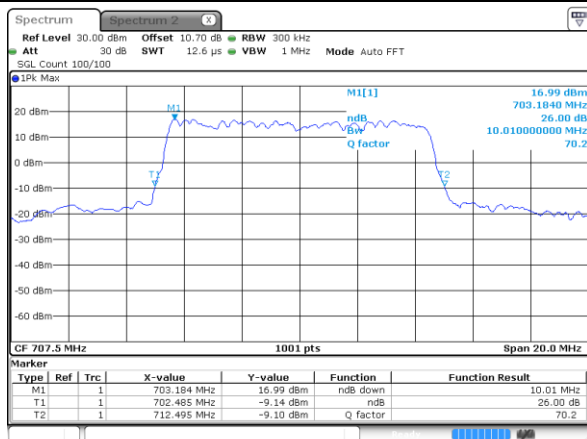
Lowest Channel / 10MHz / QPSK



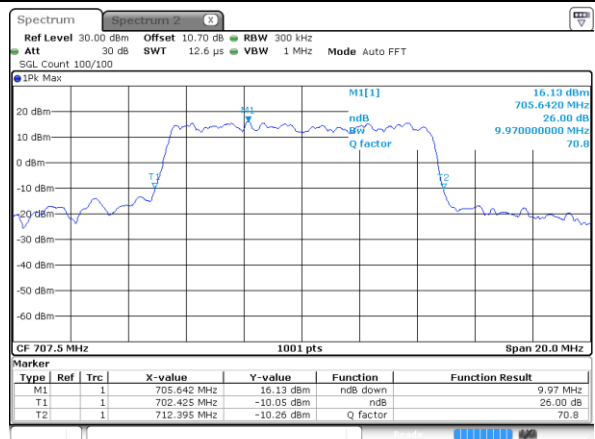
Lowest Channel / 10MHz / 16QAM



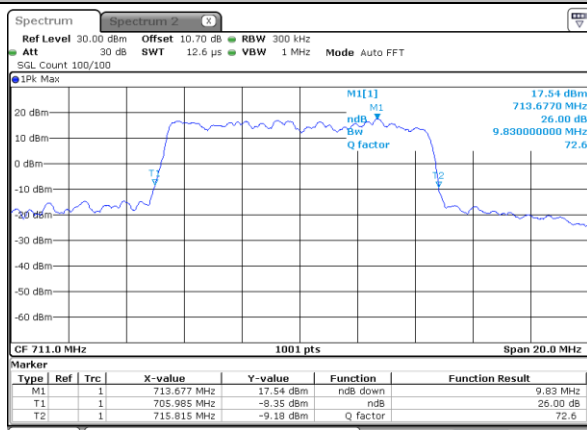
Middle Channel / 10MHz / QPSK



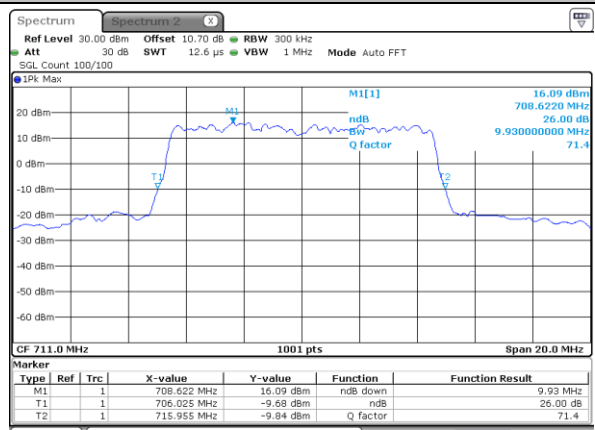
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





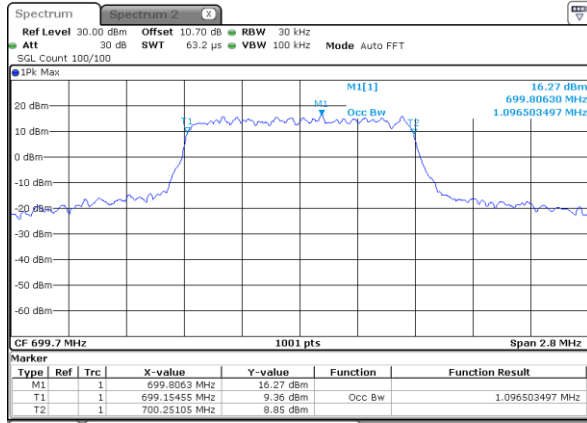
Occupied Bandwidth

Mode	LTE Band 12 : 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	1.1	1.09	2.73	2.73	4.49	4.51	9.05	8.99	-	-	-	-
Middle CH	1.1	1.09	2.73	2.75	4.5	4.5	9.01	9.09	-	-	-	-
Highest CH	1.09	1.1	2.72	2.72	4.52	4.47	9.11	8.99	-	-	-	-

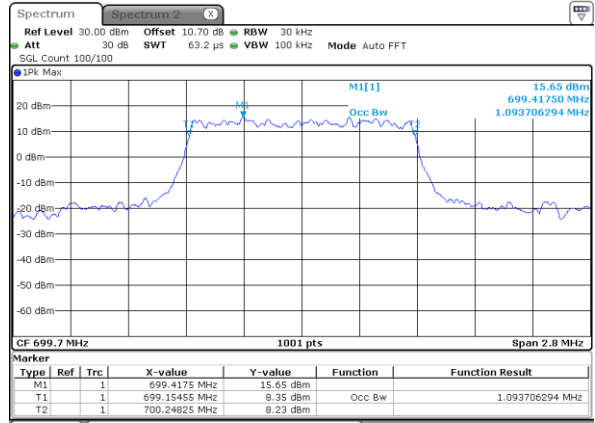


LTE Band 12

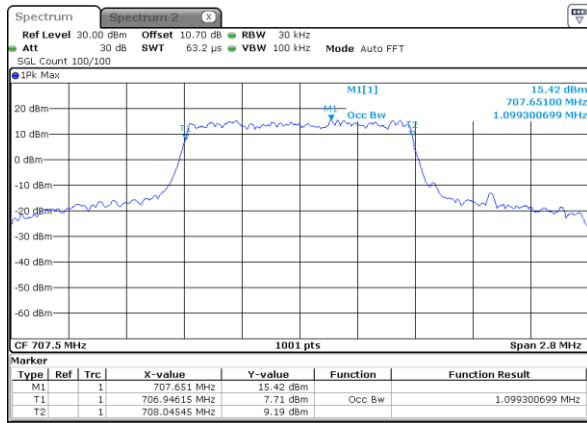
Lowest Channel / 1.4MHz / QPSK



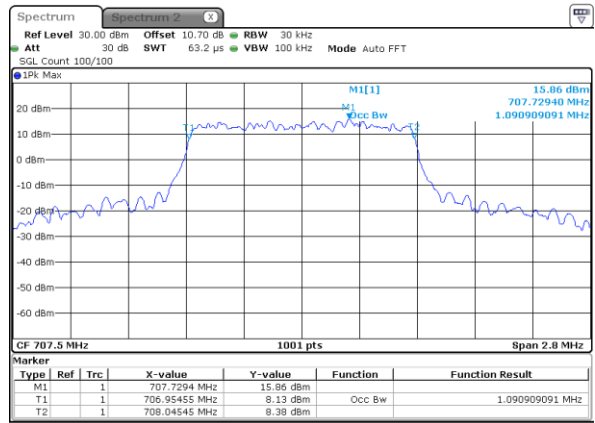
Lowest Channel / 1.4MHz / 16QAM



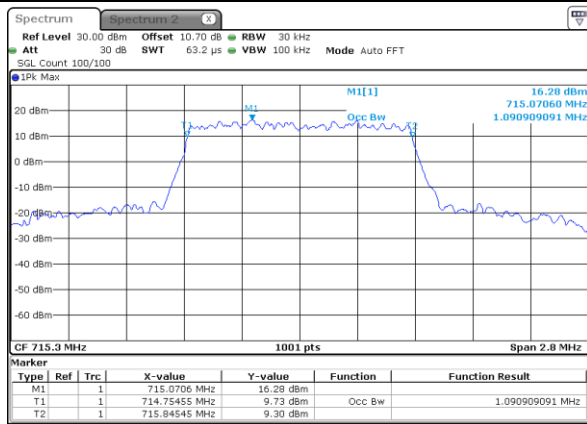
Middle Channel / 1.4MHz / QPSK



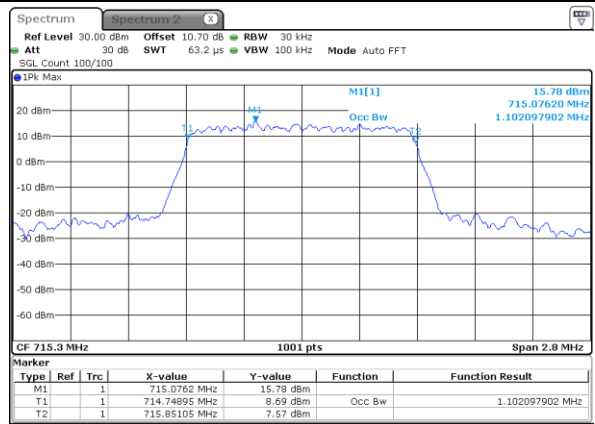
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



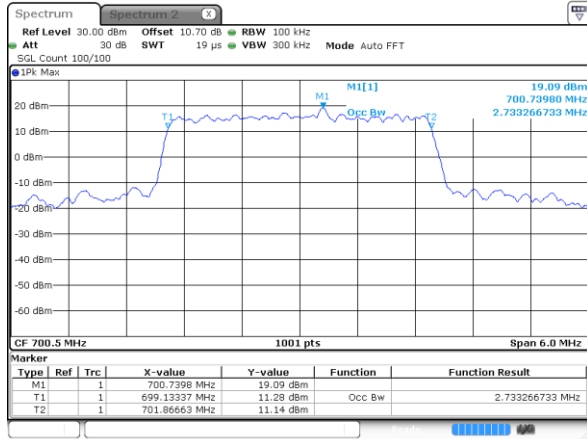
Highest Channel / 1.4MHz / 16QAM



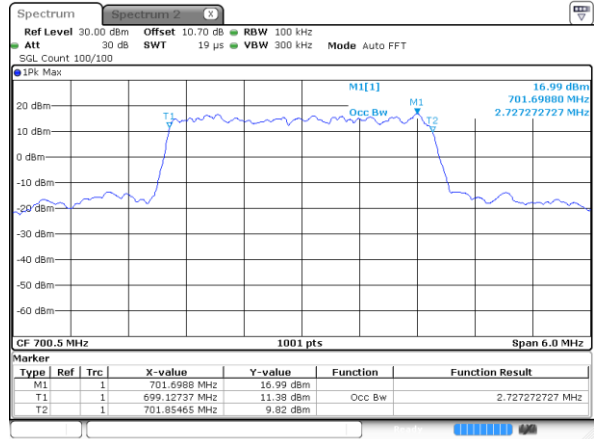


LTE Band 12

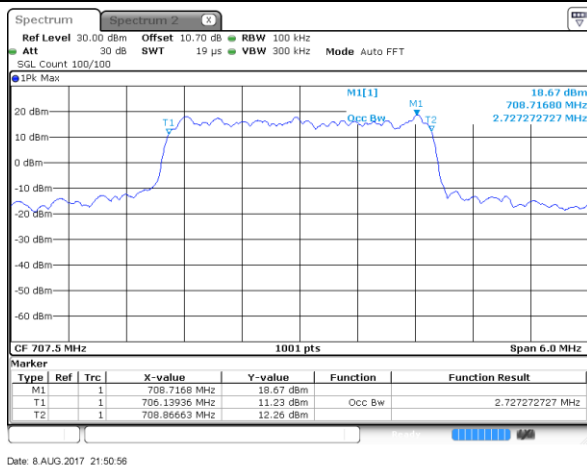
Lowest Channel / 3MHz / QPSK



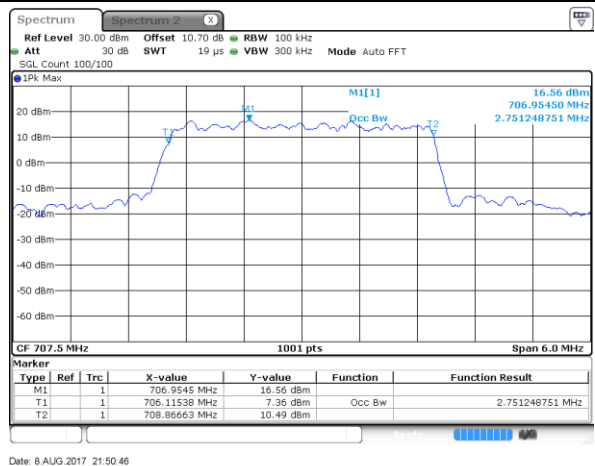
Lowest Channel / 3MHz / 16QAM



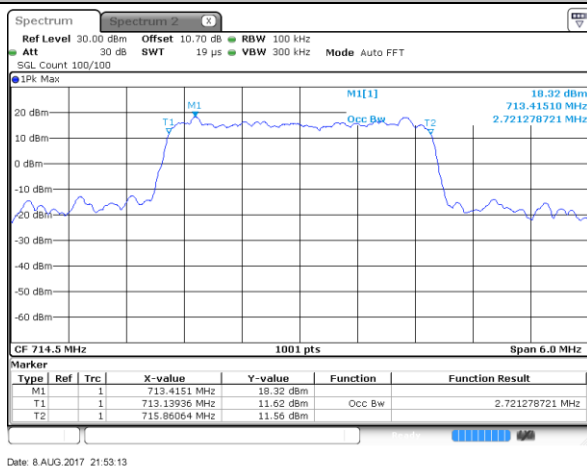
Middle Channel / 3MHz / QPSK



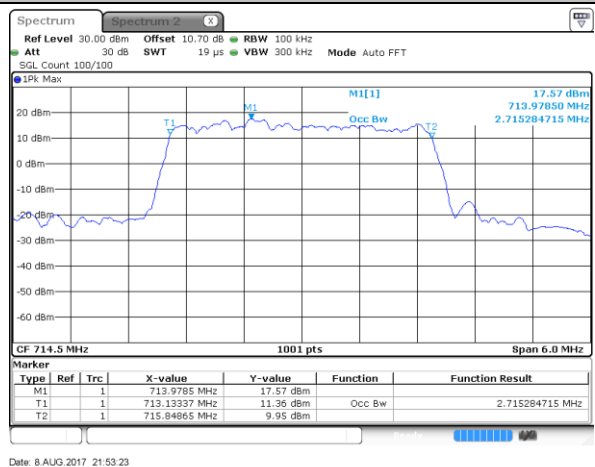
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



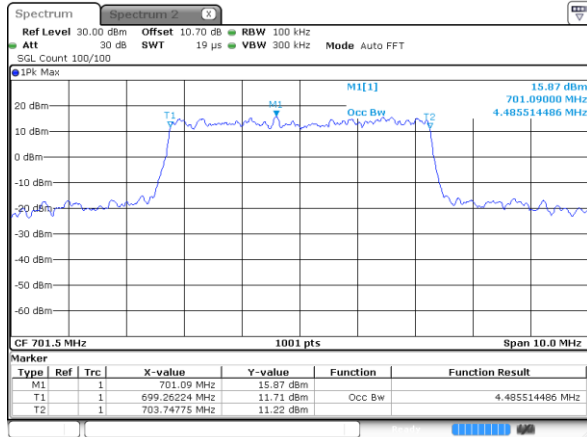
Highest Channel / 3MHz / 16QAM



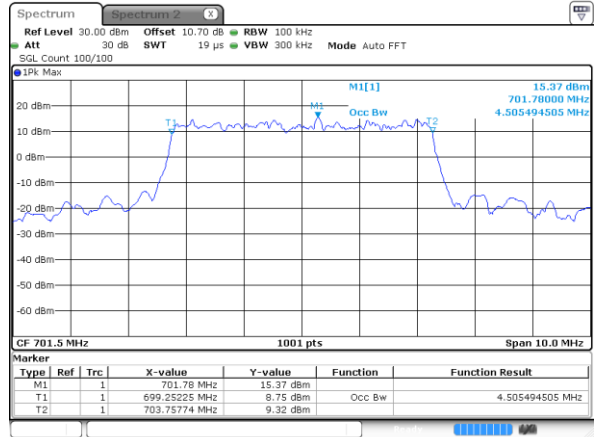


LTE Band 12

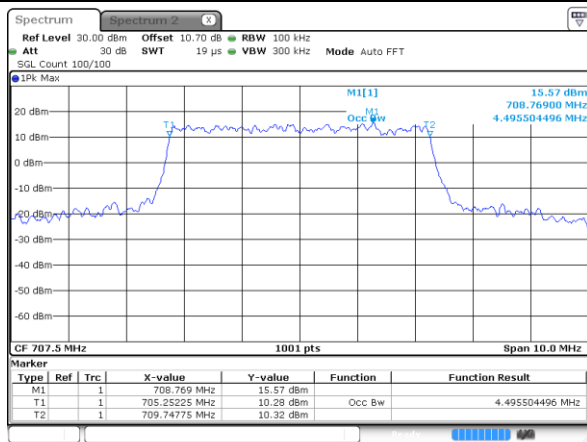
Lowest Channel / 5MHz / QPSK



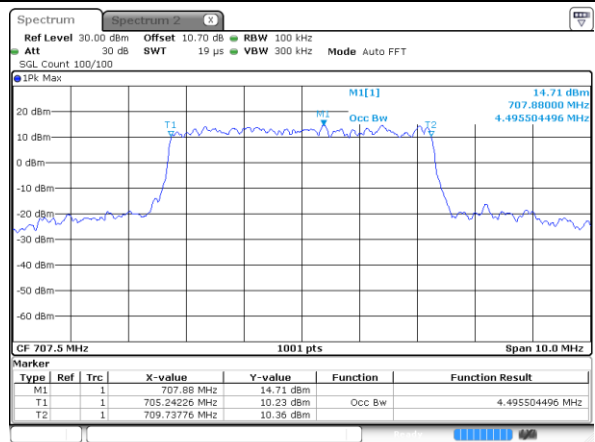
Lowest Channel / 5MHz / 16QAM



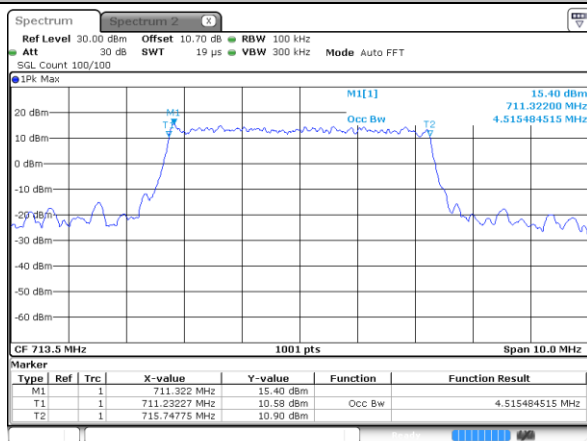
Middle Channel / 5MHz / QPSK



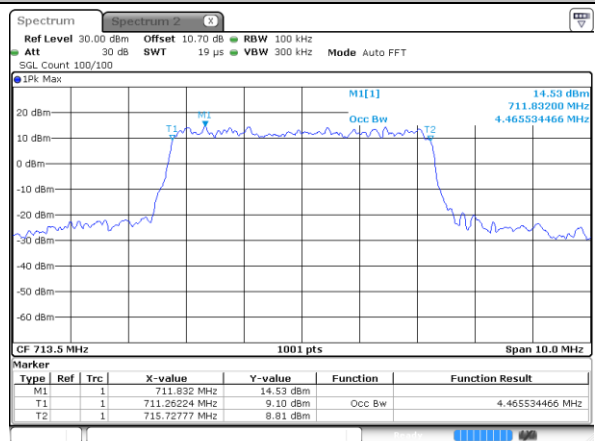
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



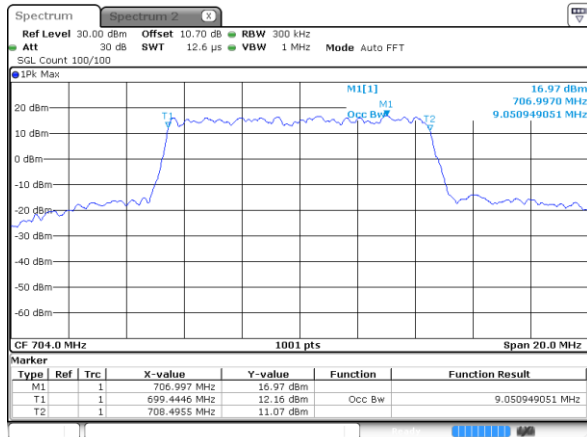
Highest Channel / 5MHz / 16QAM



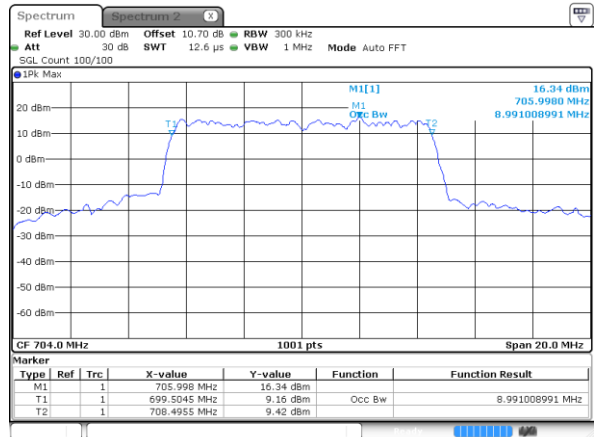


LTE Band 12

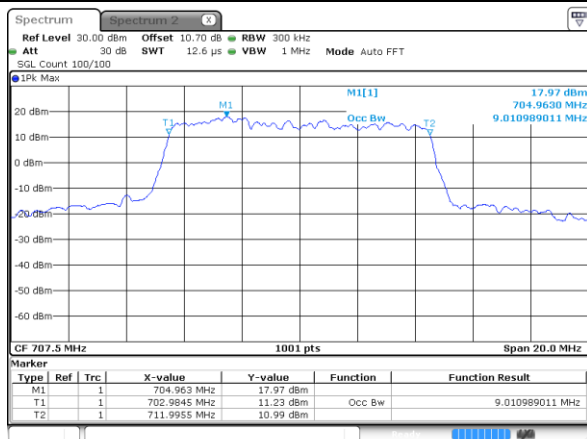
Lowest Channel / 10MHz / QPSK



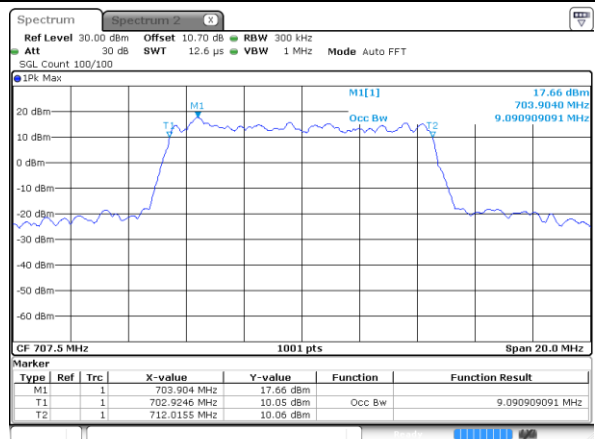
Lowest Channel / 10MHz / 16QAM



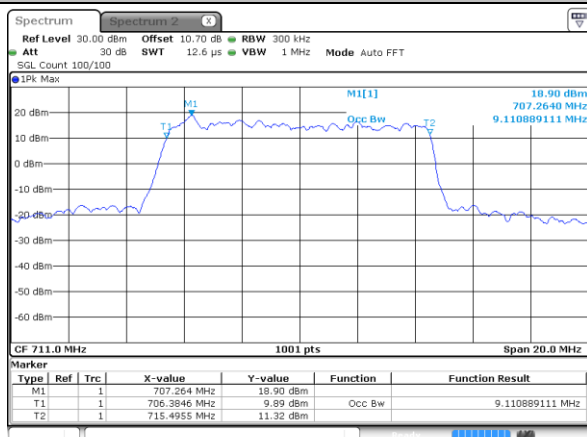
Middle Channel / 10MHz / QPSK



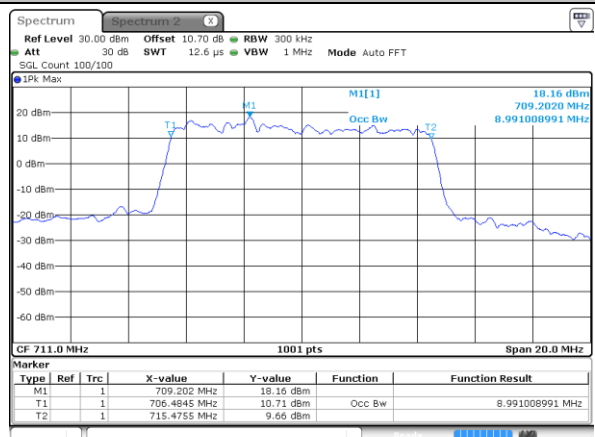
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



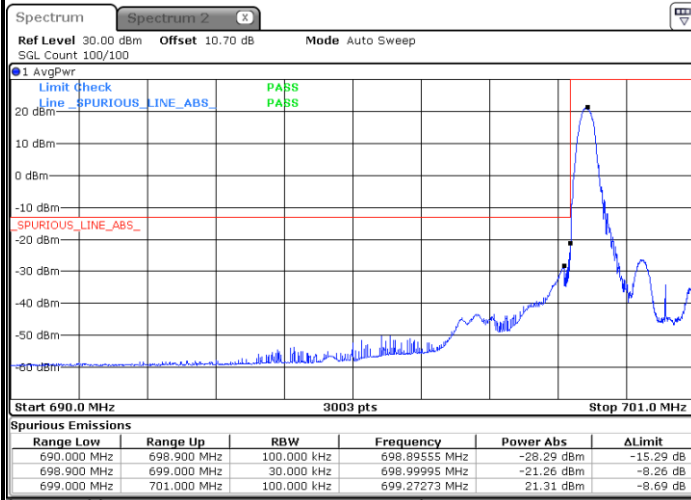


Conducted Band Edge

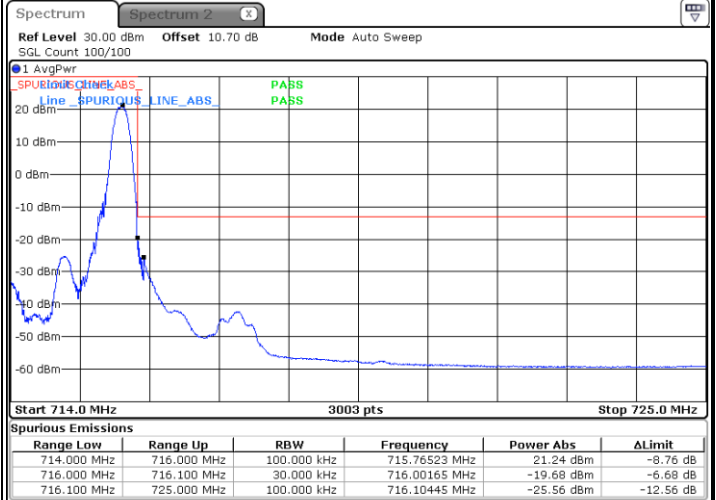


LTE Band 12 / 1.4MHz / QPSK

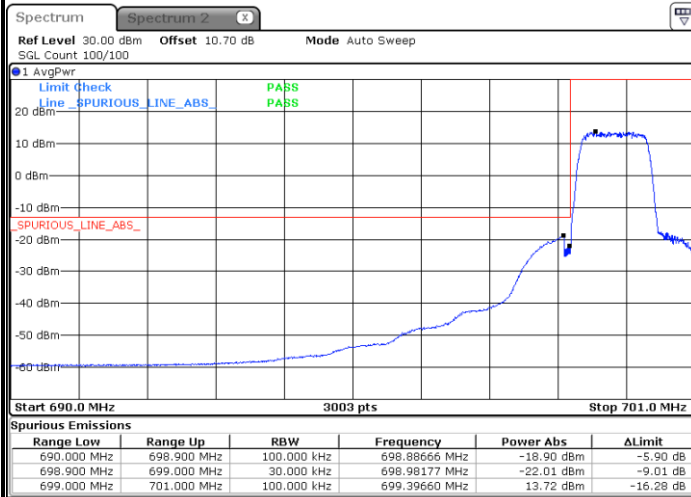
Lowest Band Edge / 1 RB



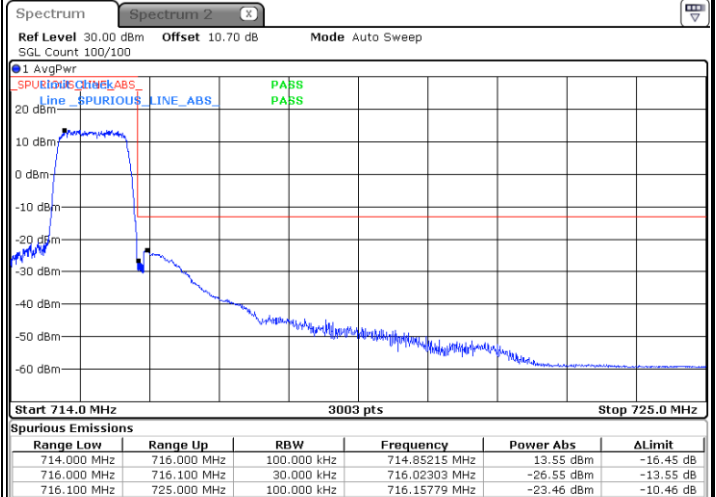
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



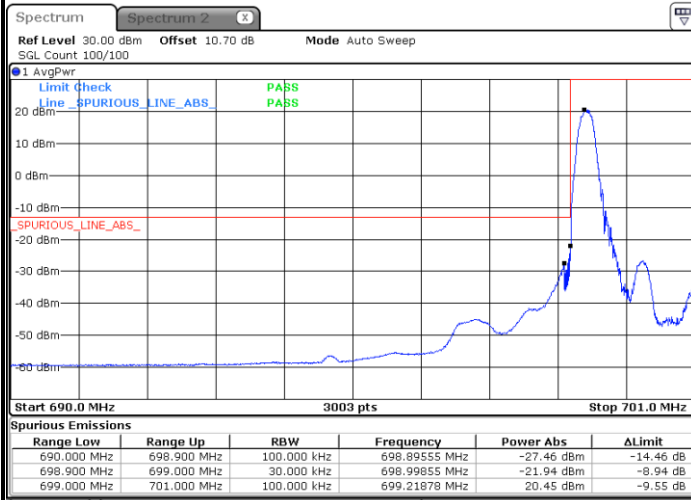
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 16QAM

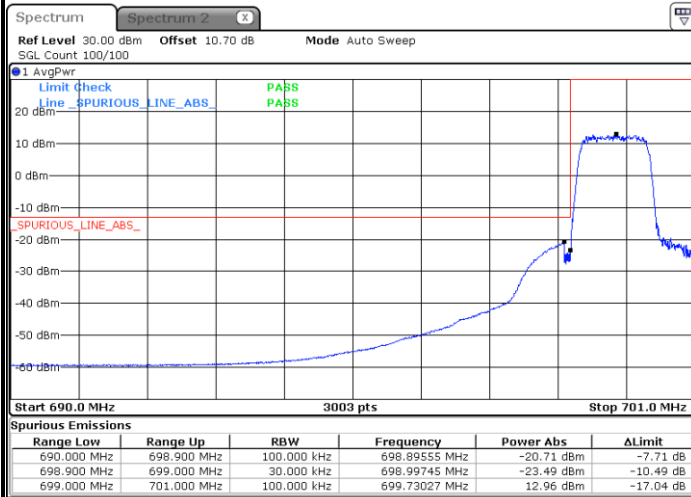
Lowest Band Edge / 1 RB



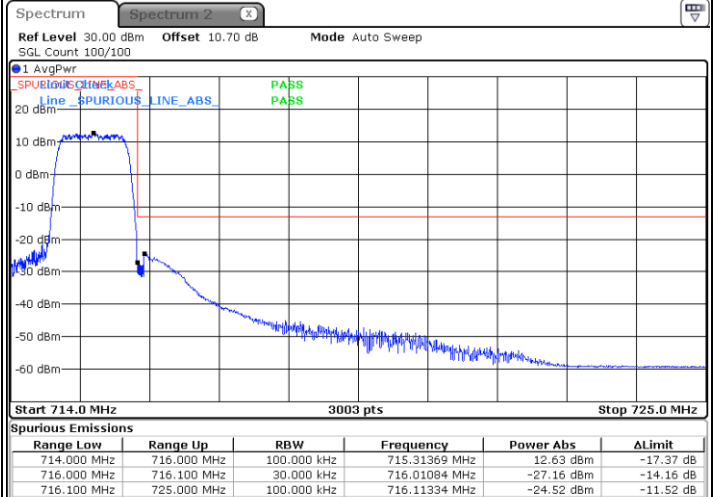
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



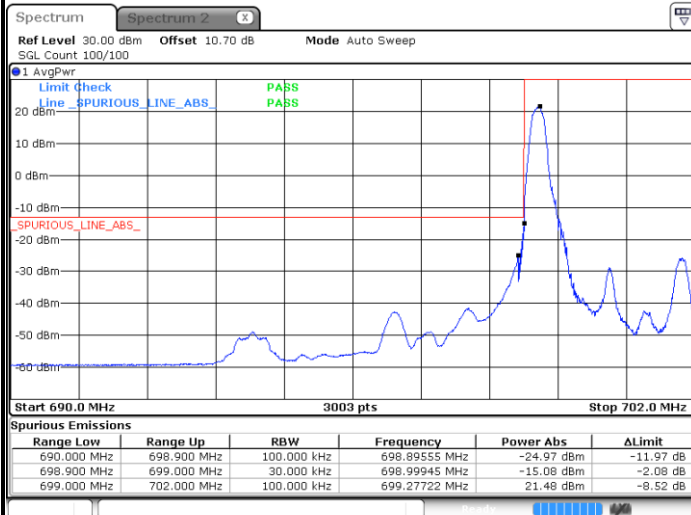
Highest Band Edge / Full RB



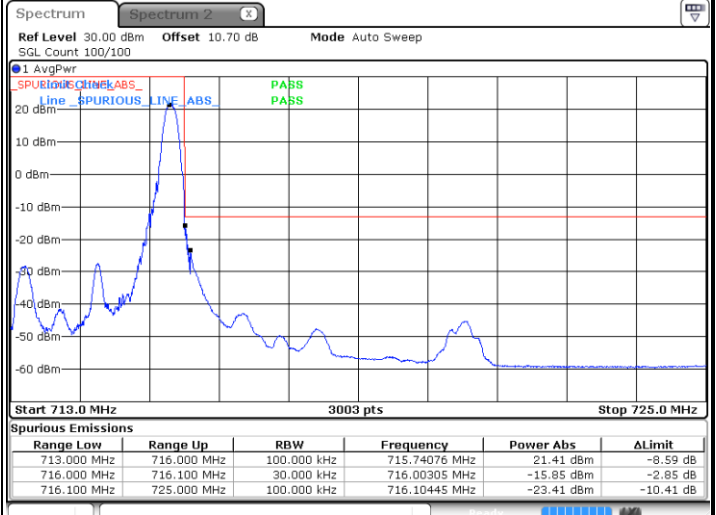


LTE Band 12 / 3MHz / QPSK

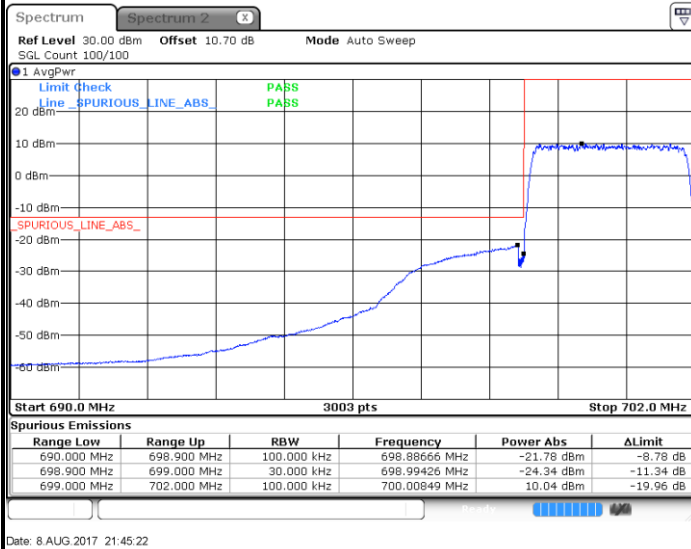
Lowest Band Edge / 1RB



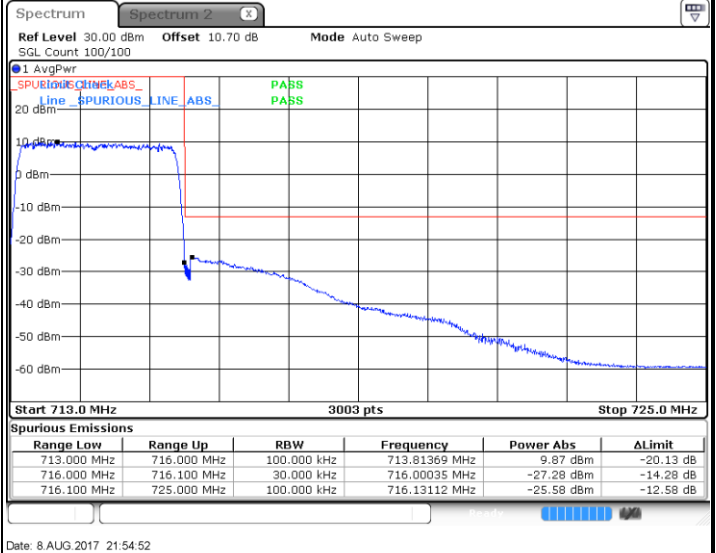
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



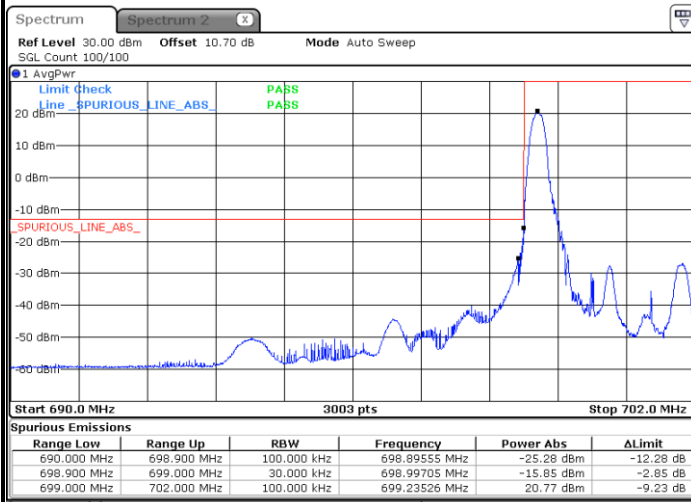
Highest Band Edge / Full RB



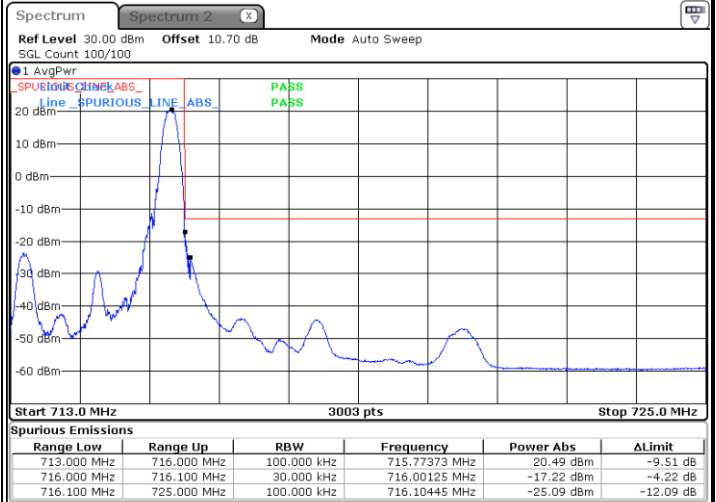


LTE Band 12 / 3MHz / 16QAM

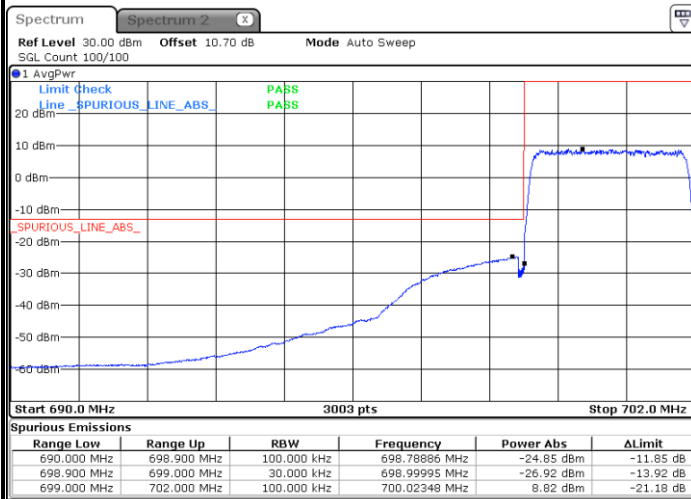
Lowest Band Edge / 1 RB



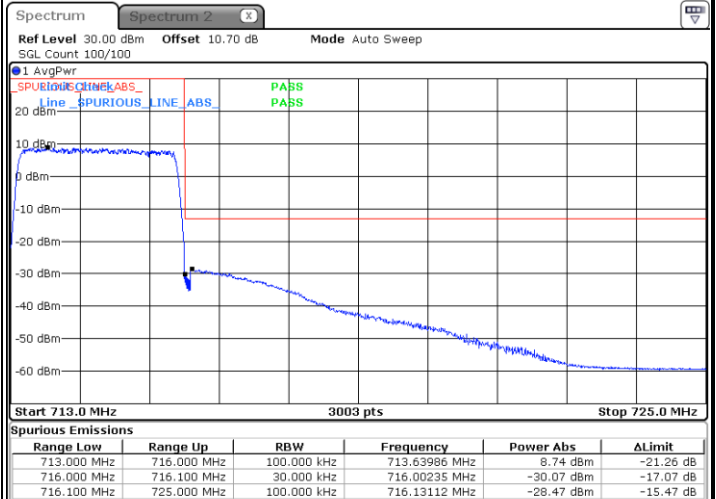
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



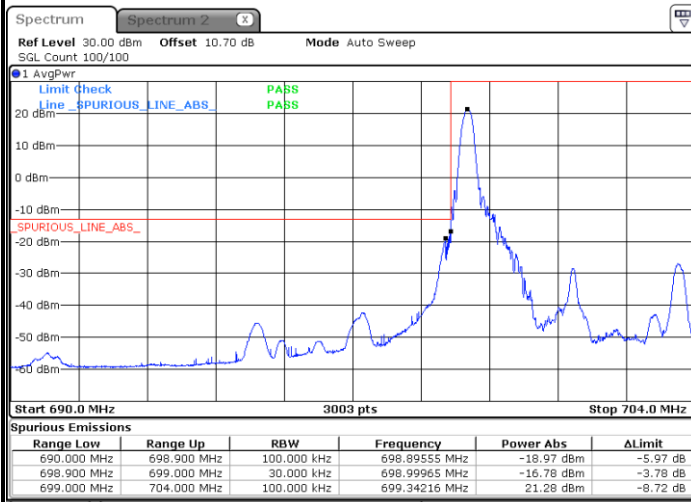
Highest Band Edge / Full RB



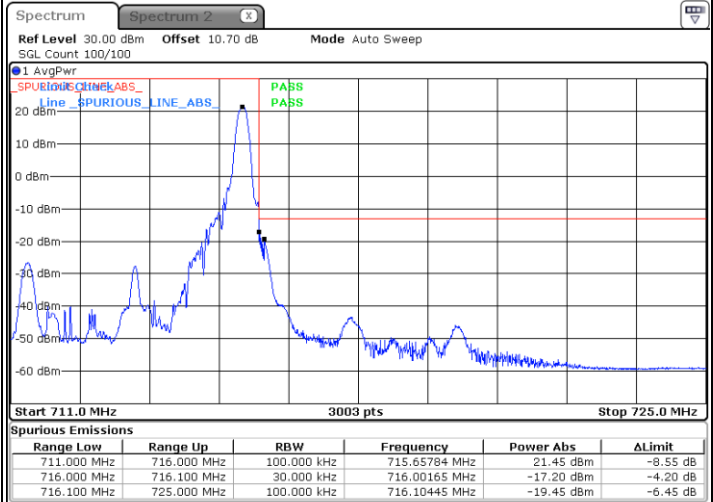


LTE Band 12 / 5MHz / QPSK

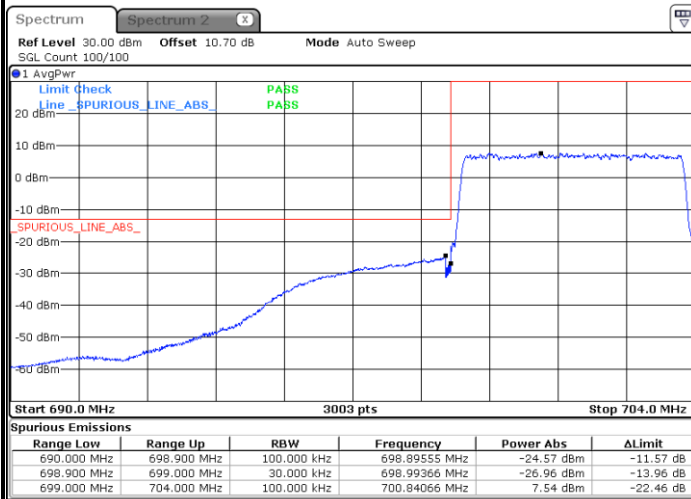
Lowest Band Edge / 1 RB



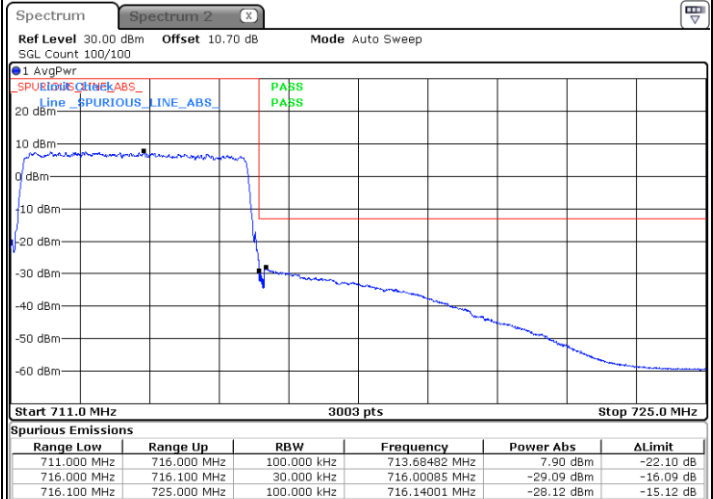
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



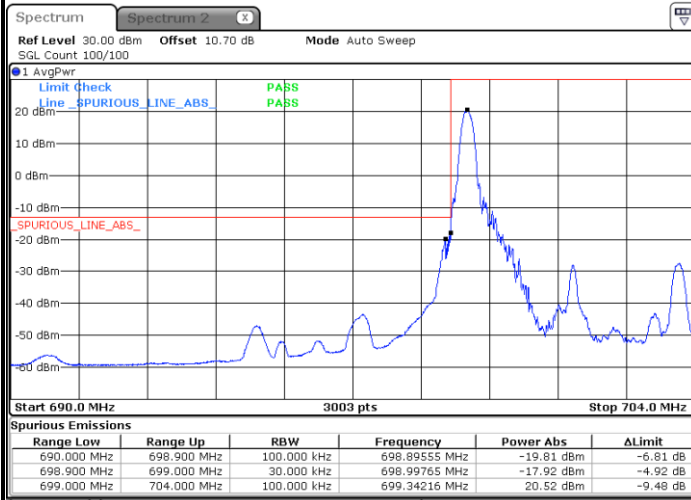
Highest Band Edge / Full RB



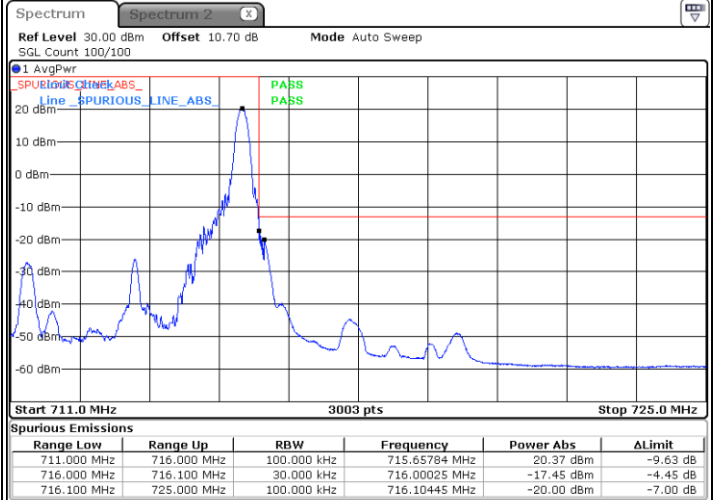


LTE Band 12 / 5MHz / 16QAM

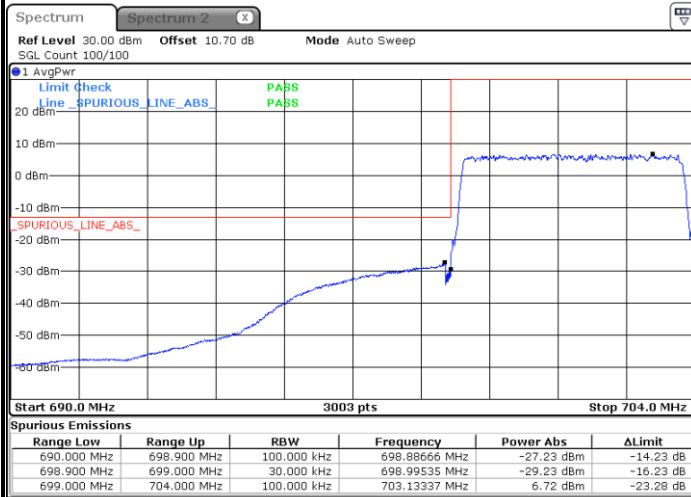
Lowest Band Edge / 1RB



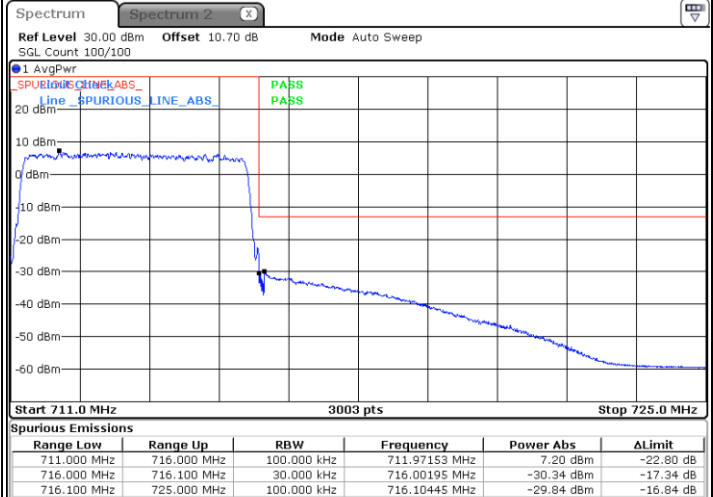
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



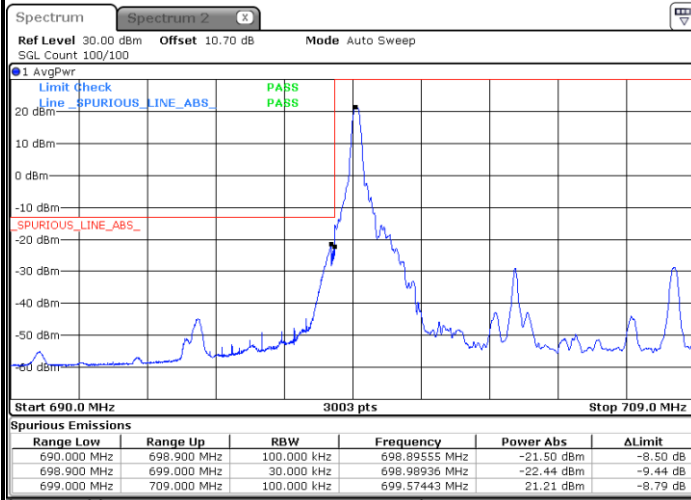
Highest Band Edge / Full RB



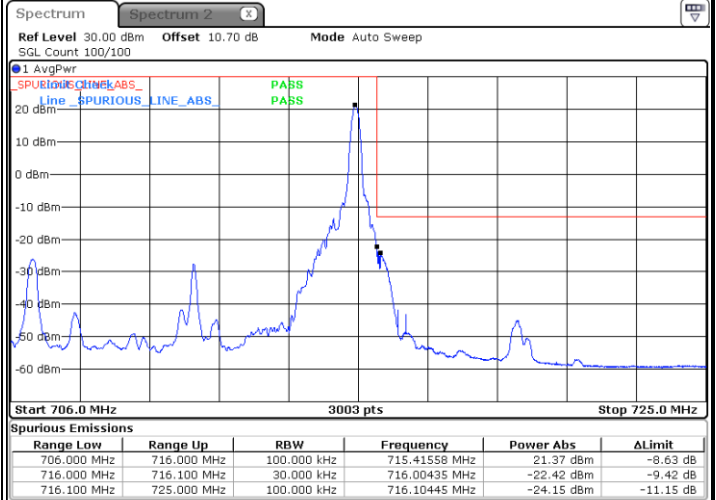


LTE Band 12 / 10MHz / QPSK

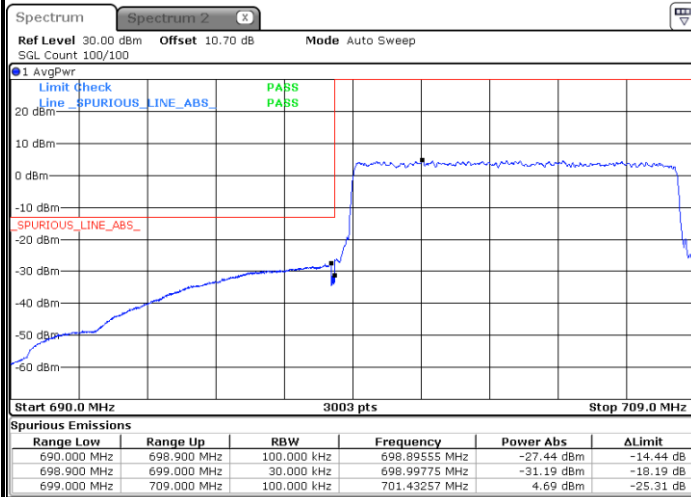
Lowest Band Edge / 1 RB



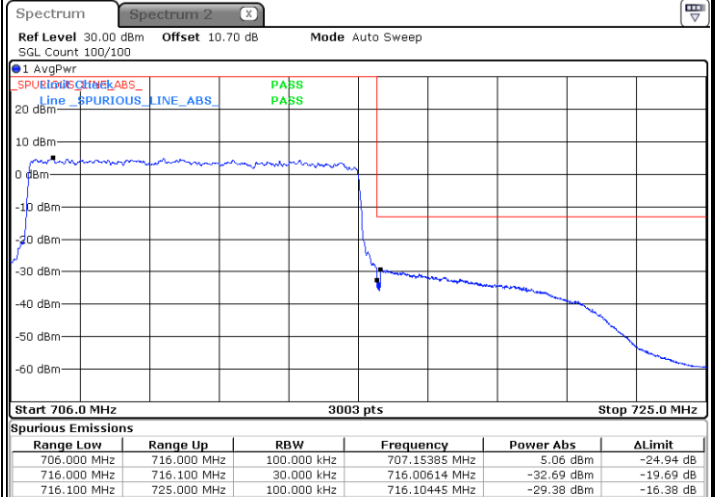
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



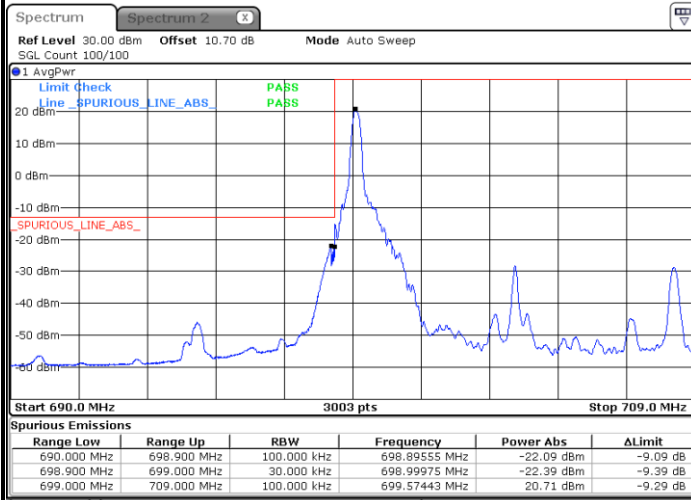
Highest Band Edge / Full RB



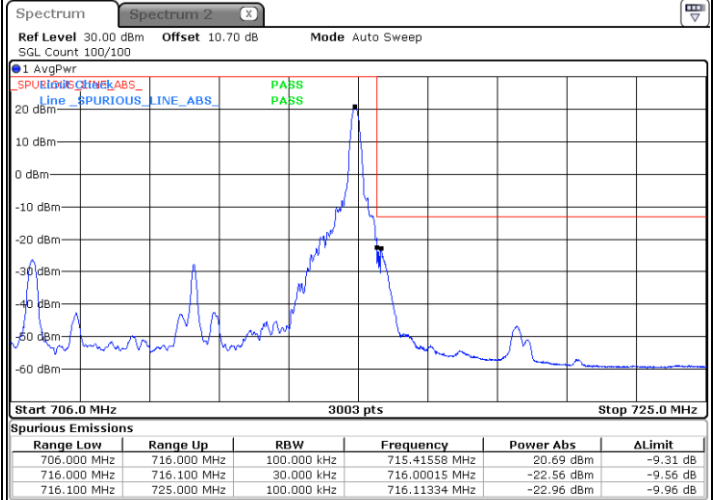


LTE Band 12 / 10MHz / 16QAM

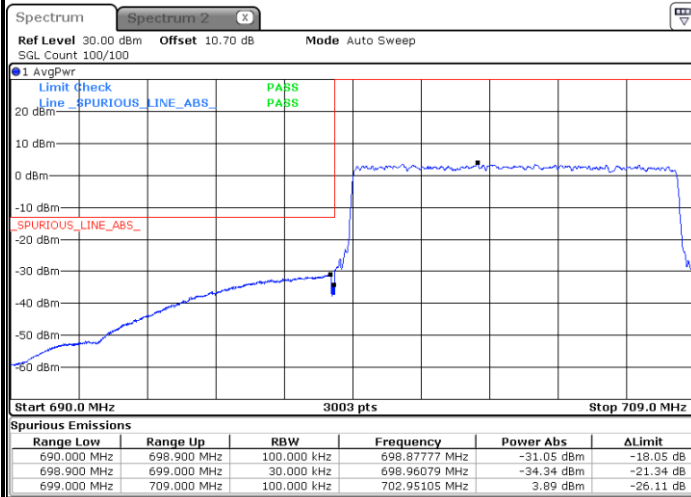
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

