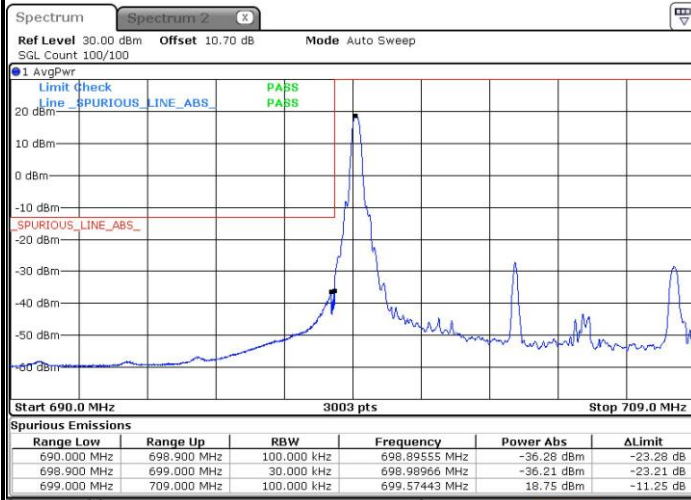


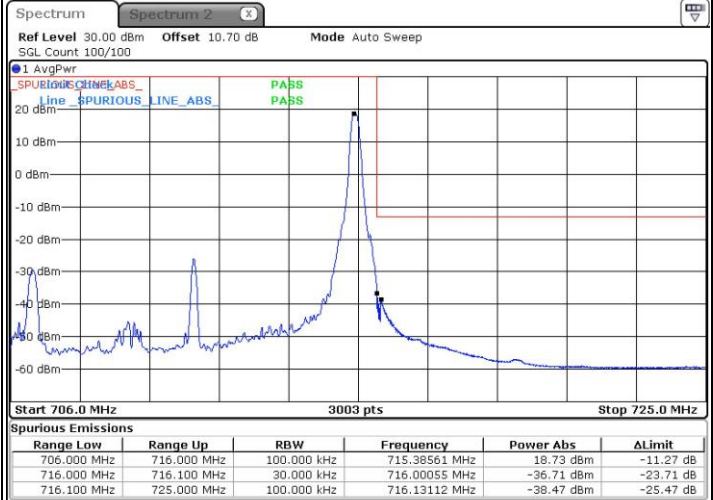


LTE Band 12 / 10MHz / 16QAM

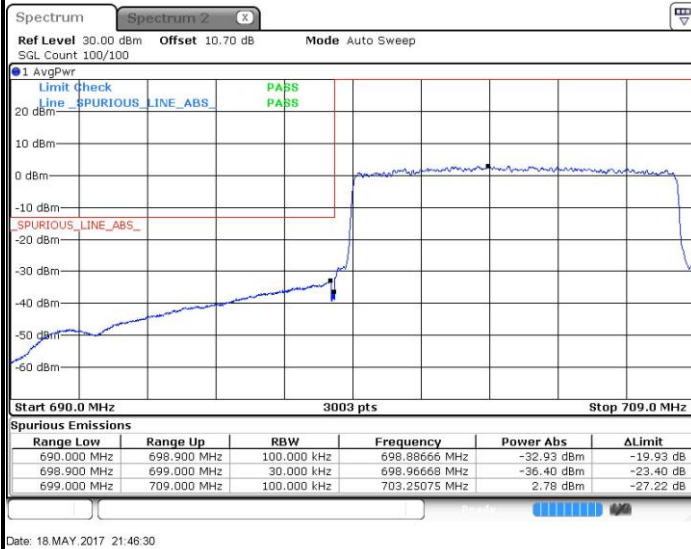
Lowest Band Edge / 1 RB



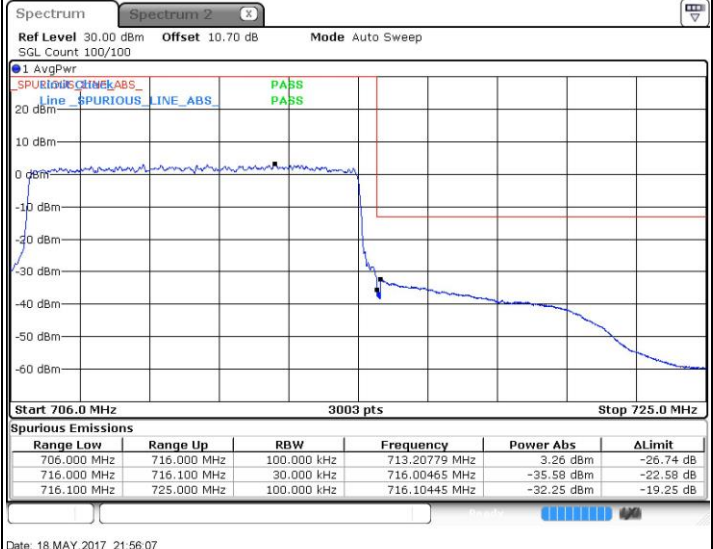
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

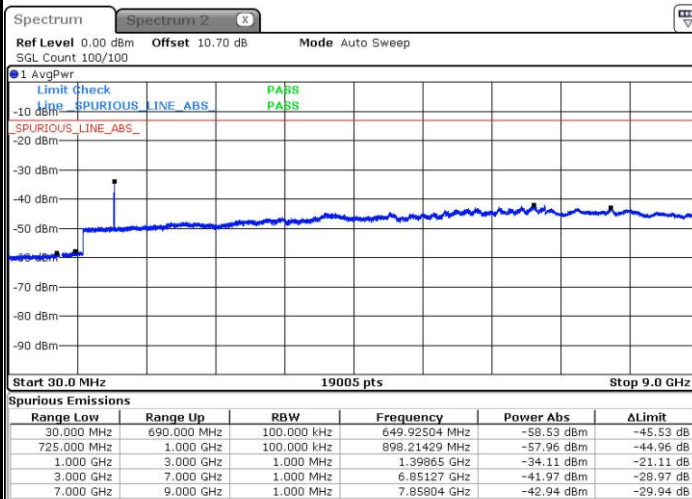




Conducted Spurious Emission

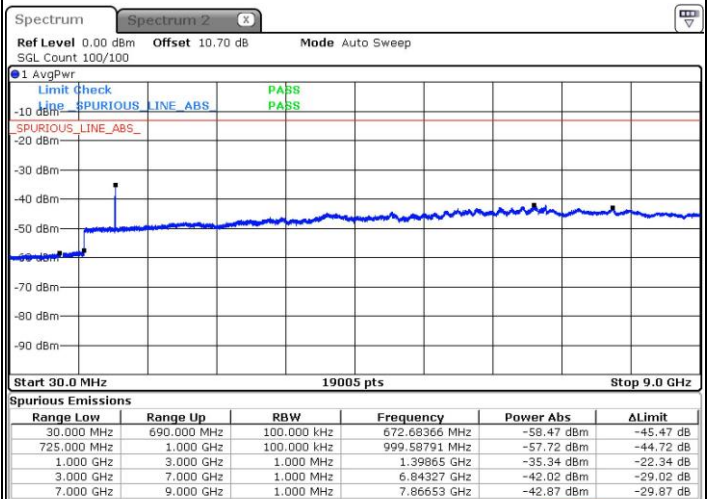
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



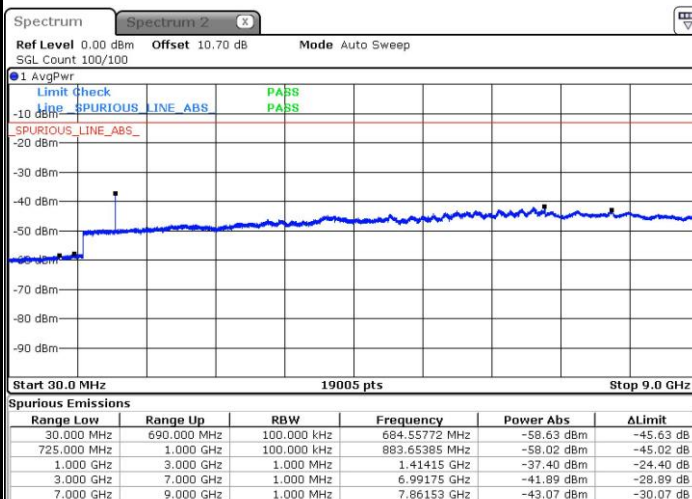
Date: 18 MAY 2017 22:08:10

Lowest Channel / 16QAM



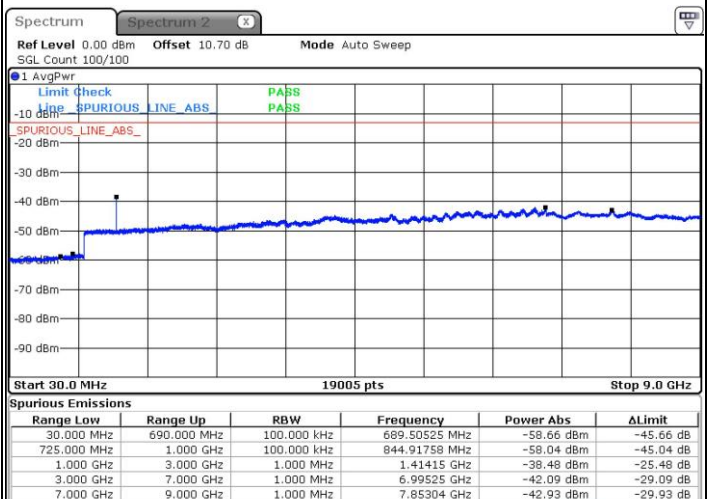
Date: 18 MAY 2017 22:09:05

Middle Channel / QPSK



Date: 18 MAY 2017 22:11:35

Middle Channel / 16QAM

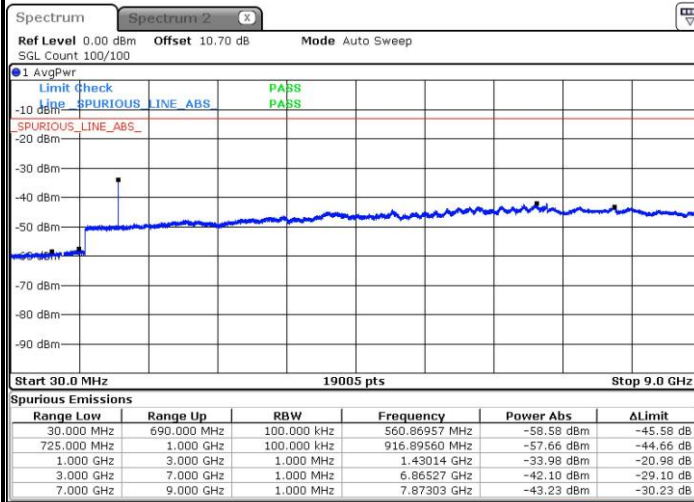


Date: 18 MAY 2017 22:10:40



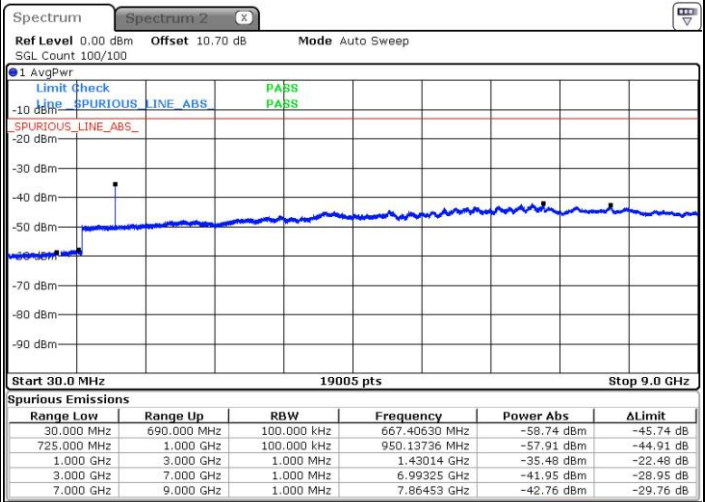
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 18 MAY 2017 22:17:47

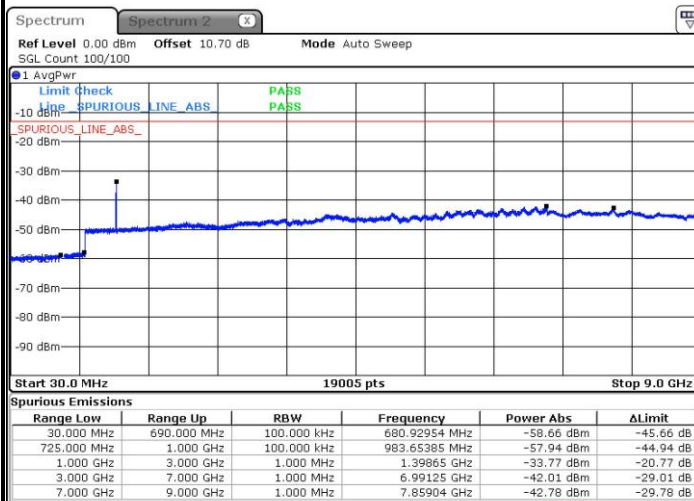
Highest Channel / 16QAM



Date: 18 MAY 2017 22:18:41

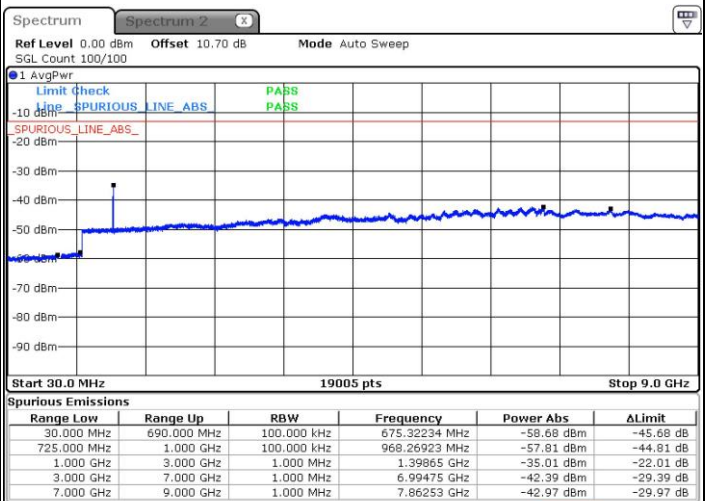
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 18 MAY 2017 21:16:17

Lowest Channel / 16QAM

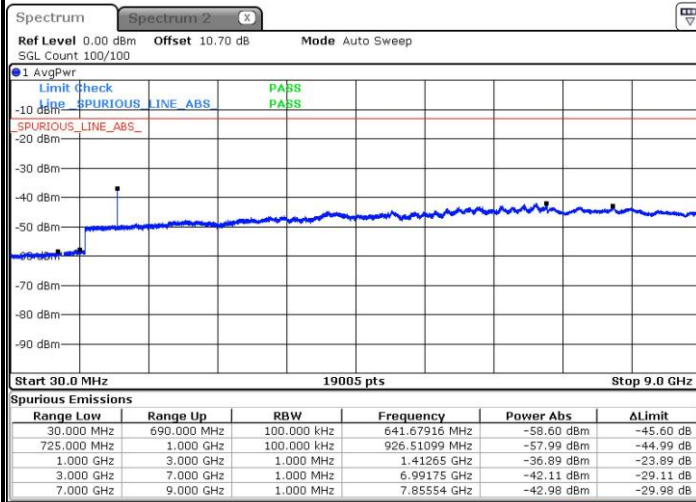


Date: 18 MAY 2017 21:17:11



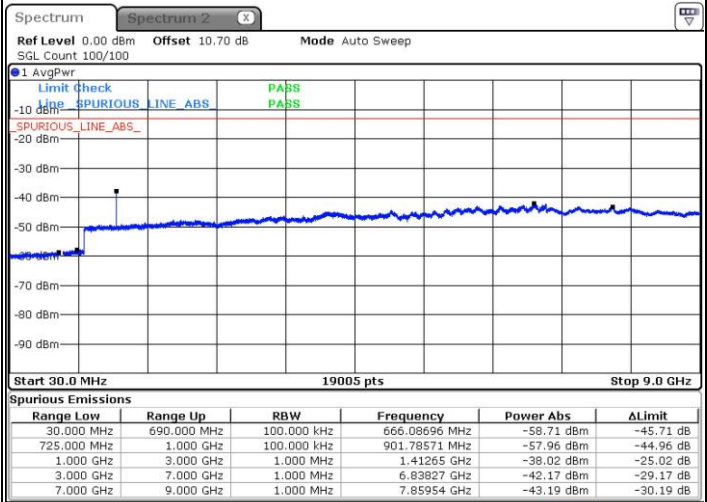
LTE Band 12 / 3MHz

Middle Channel / QPSK



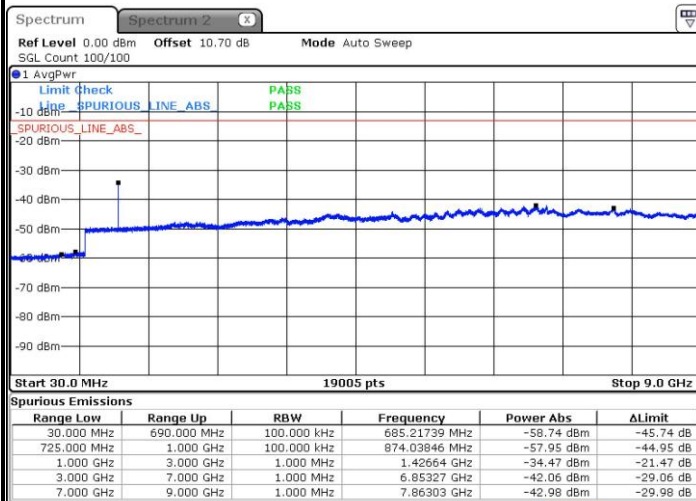
Date: 18 MAY 2017 21:19:41

Middle Channel / 16QAM



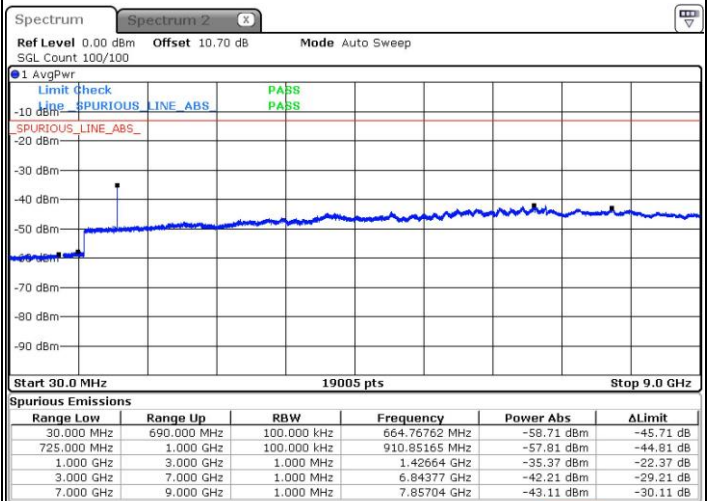
Date: 18 MAY 2017 21:18:47

Highest Channel / QPSK



Date: 18 MAY 2017 21:25:54

Highest Channel / 16QAM

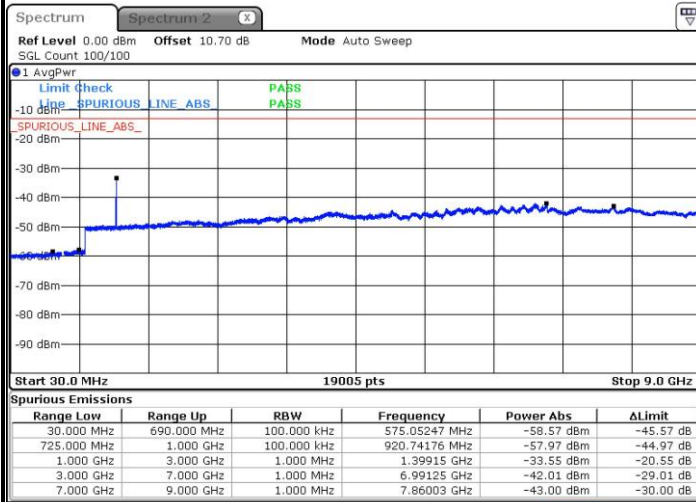


Date: 18 MAY 2017 21:26:48



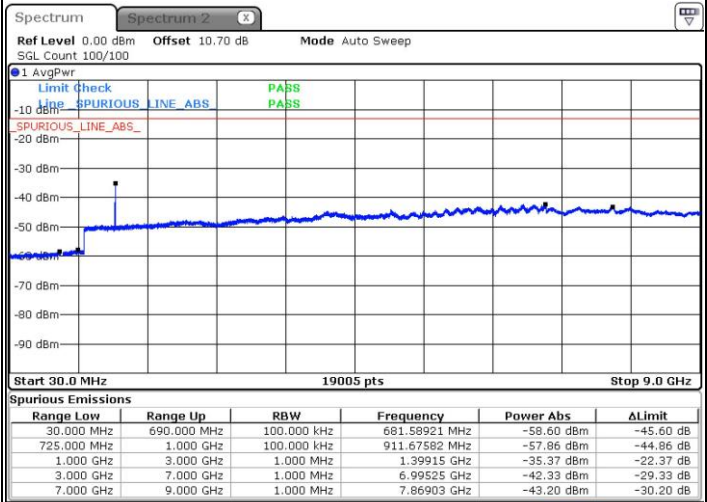
LTE Band 12 / 5MHz

Lowest Channel / QPSK



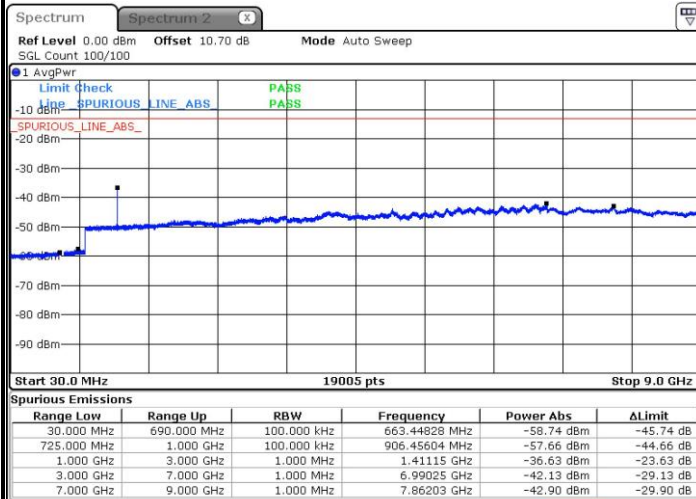
Date: 18 MAY 2017 21:33:00

Lowest Channel / 16QAM



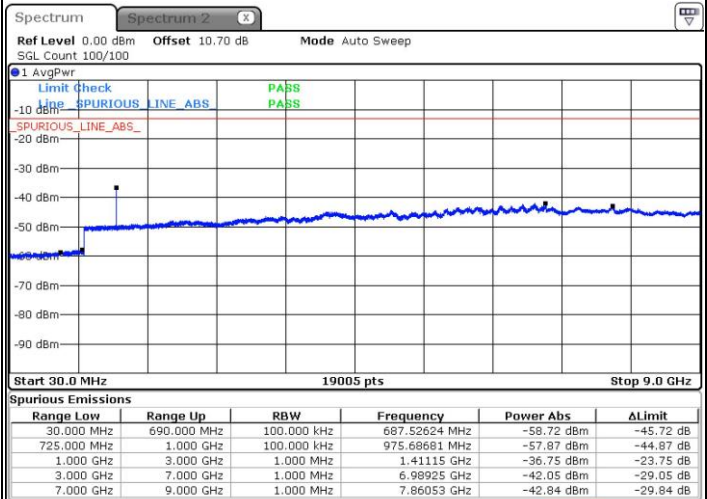
Date: 18 MAY 2017 21:33:55

Middle Channel / QPSK



Date: 18 MAY 2017 21:36:24

Middle Channel / 16QAM

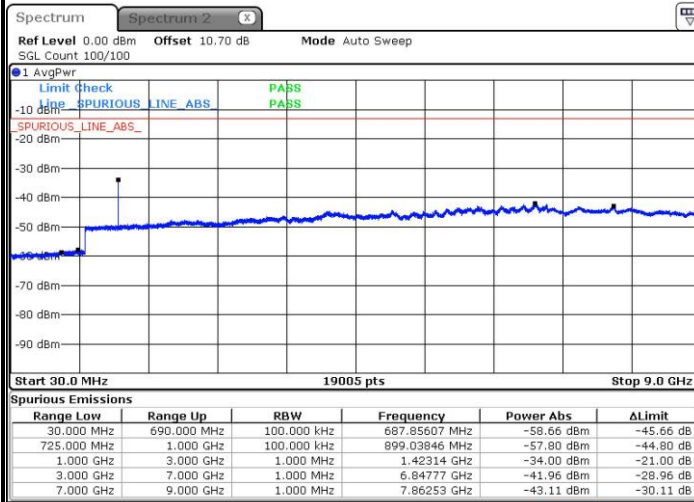


Date: 18 MAY 2017 21:35:30



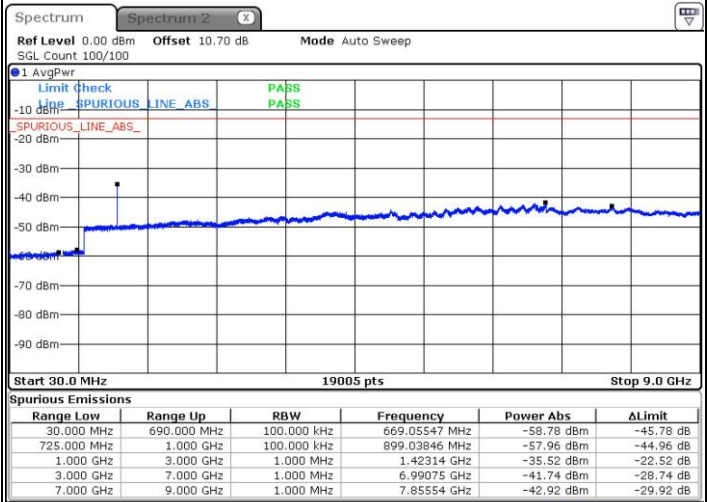
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 18 MAY 2017 21:43:31

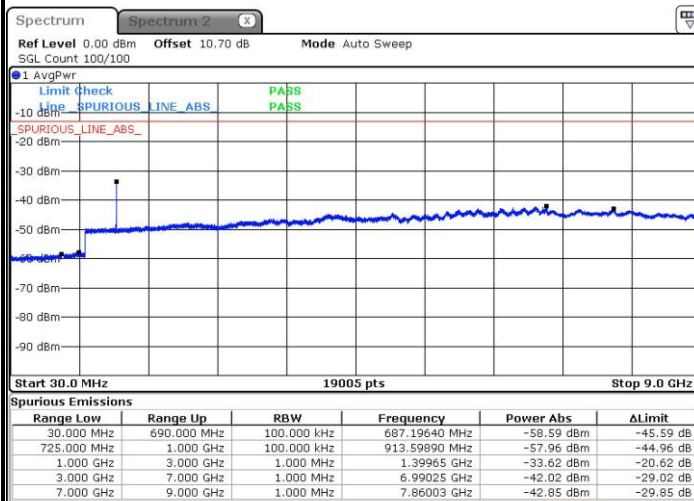
Highest Channel / 16QAM



Date: 18 MAY 2017 21:42:37

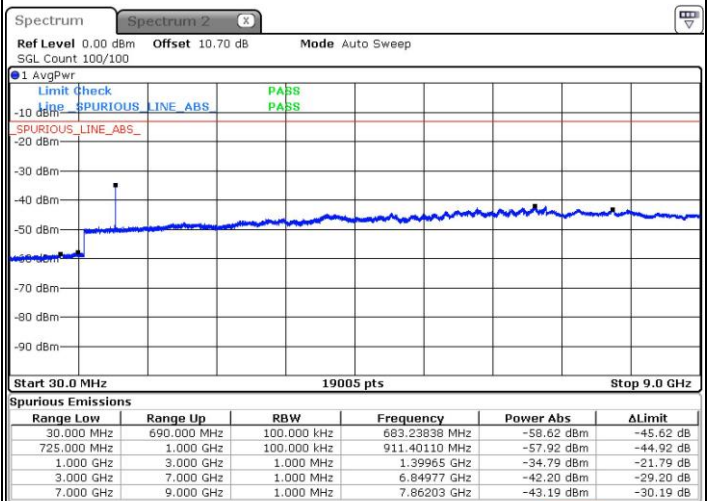
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 18 MAY 2017 21:49:43

Lowest Channel / 16QAM

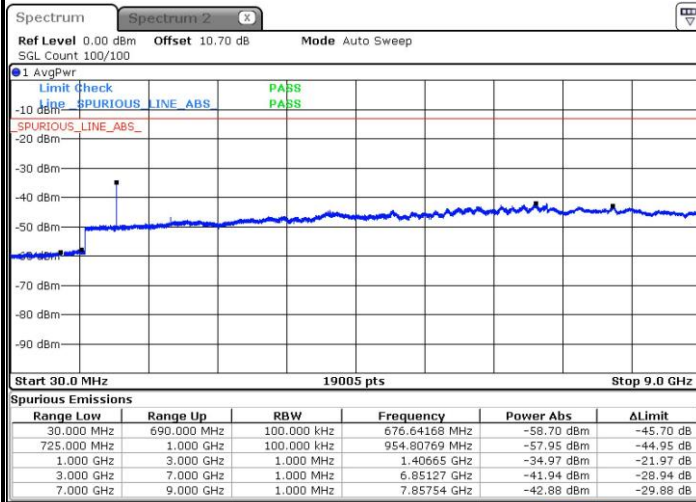


Date: 18 MAY 2017 21:50:37



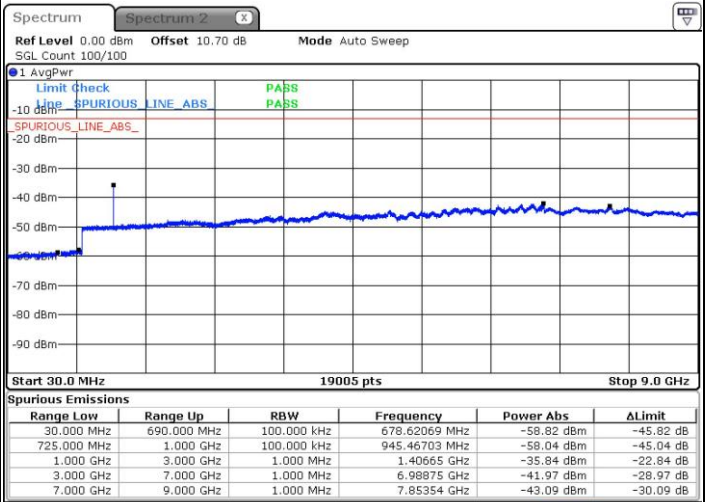
LTE Band 12 / 10MHz

Middle Channel / QPSK



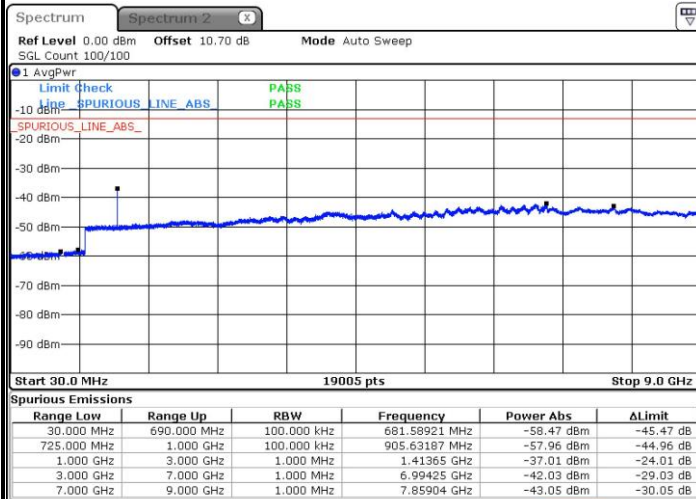
Date: 18 MAY 2017 21:53:07

Middle Channel / 16QAM



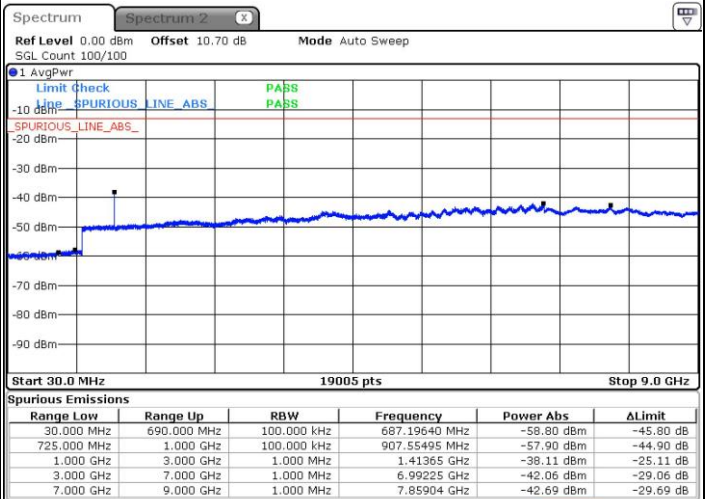
Date: 18 MAY 2017 21:52:13

Highest Channel / QPSK



Date: 18 MAY 2017 21:59:19

Highest Channel / 16QAM



Date: 18 MAY 2017 22:00:14

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0059	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0057	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 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	4.29	4.78	5.19	5.68	PASS
Middle CH	4.35	4.81	5.33	5.65	
Highest CH	4.46	4.81	5.1	5.62	

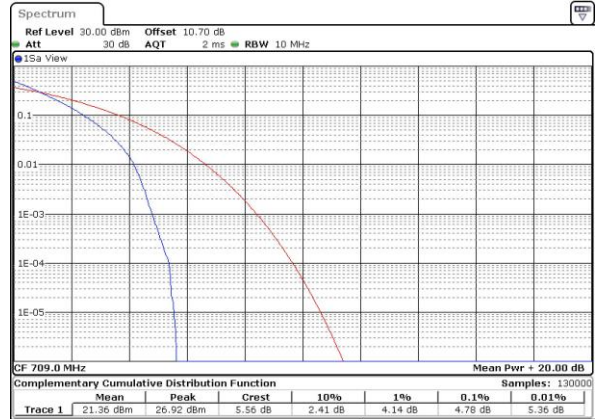


LTE Band 17 / 10MHz / QPSK

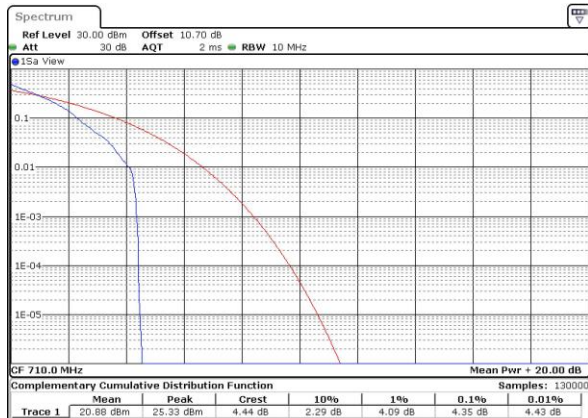
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel/ 1RB



Middle Channel / Full RB



Highest Channel/ 1RB



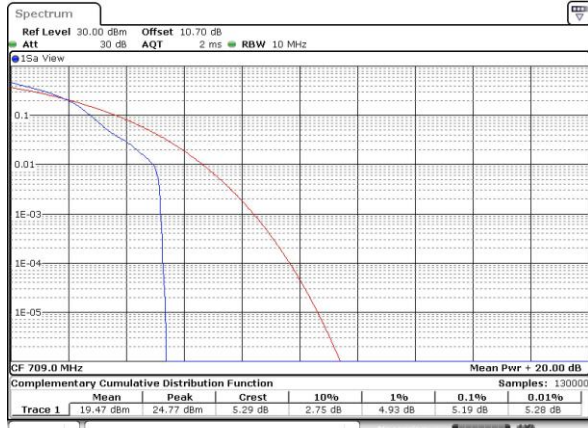
Highest Channel / Full RB



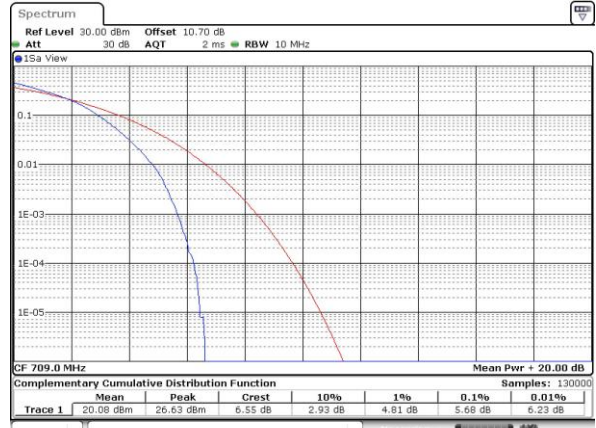


LTE Band 17 / 10MHz / 16QAM

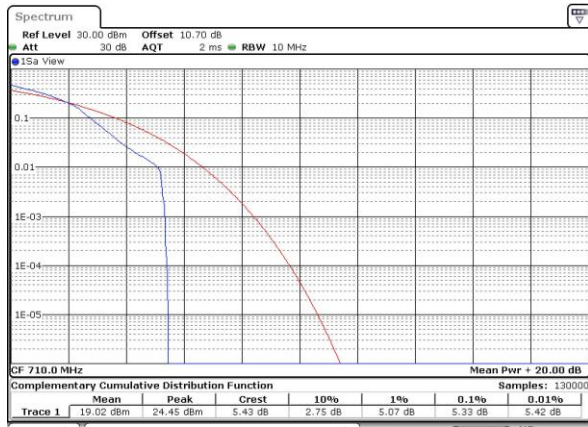
Lowest Channel / 1RB



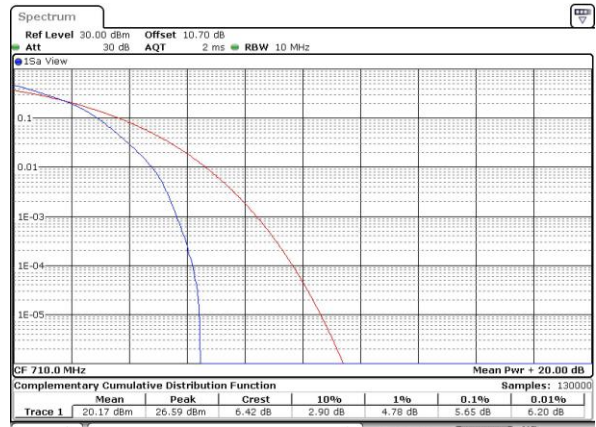
Lowest Channel / Full RB



Middle Channel/ 1RB



Middle Channel / Full RB



Highest Channel/ 1RB



Highest Channel / Full RB





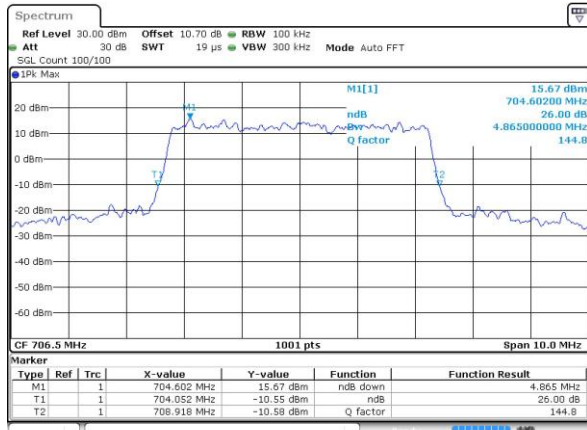
26dB Bandwidth

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	-	-	-	-	4.865	4.945	9.95	9.81	-	-	-	-
Middle CH	-	-	-	-	5.015	4.895	9.97	9.79	-	-	-	-
Highest CH	-	-	-	-	4.975	4.925	9.75	9.81	-	-	-	-



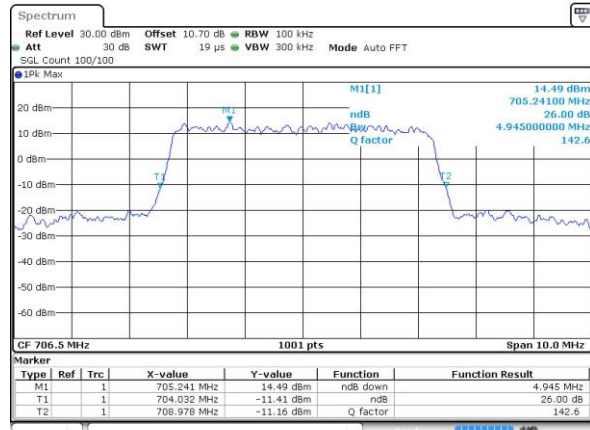
LTE Band 17

Lowest Channel / 5MHz / QPSK



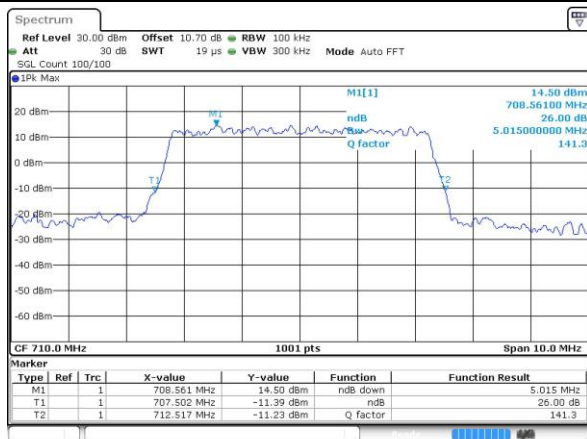
Date: 18 MAY 2017 01:03:18

Lowest Channel / 5MHz / 16QAM



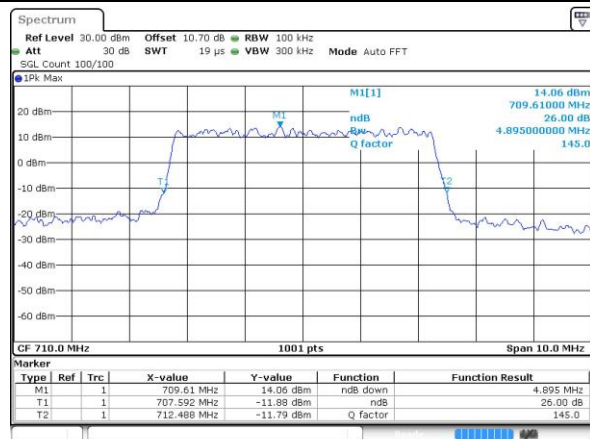
Date: 18 MAY 2017 01:03:28

Middle Channel / 5MHz / QPSK



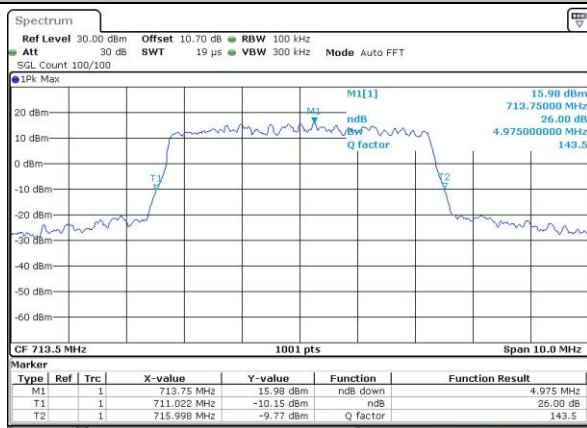
Date: 18 MAY 2017 01:10:24

Middle Channel / 5MHz / 16QAM



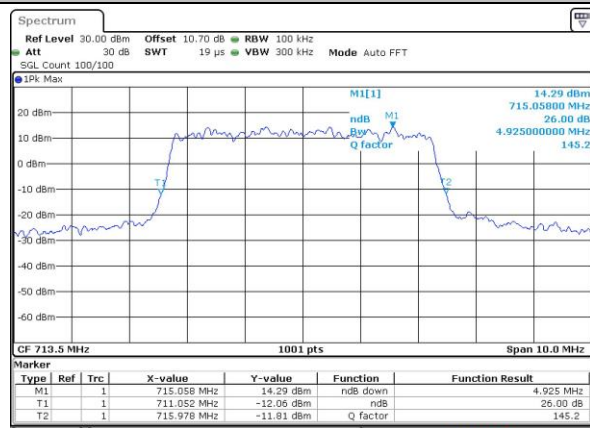
Date: 18 MAY 2017 01:10:35

Highest Channel / 5MHz / QPSK



Date: 18 MAY 2017 01:12:54

Highest Channel / 5MHz / 16QAM

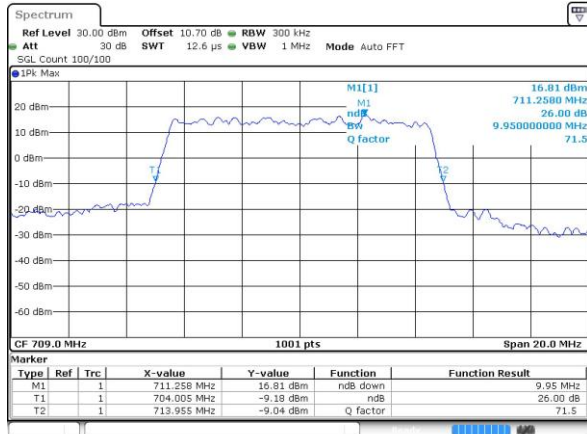


Date: 18 MAY 2017 01:13:05

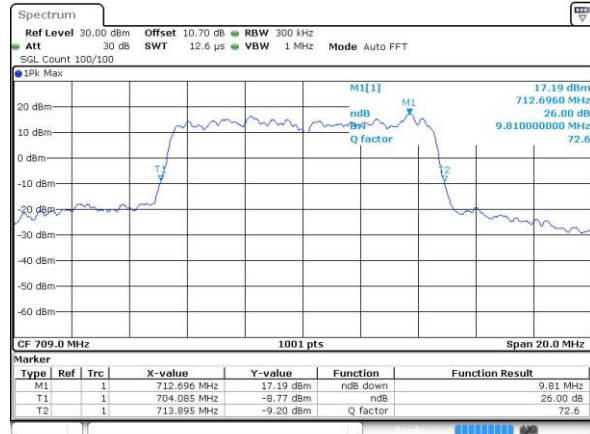


LTE Band 17

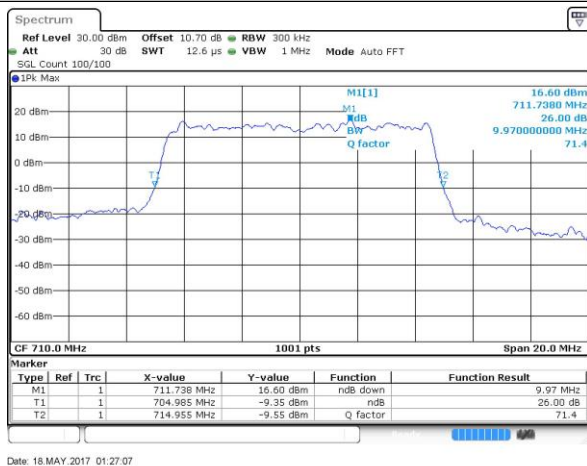
Lowest Channel / 10MHz / QPSK



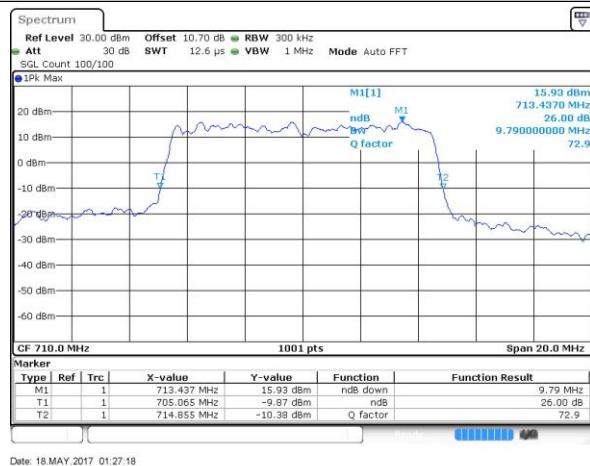
Lowest Channel / 10MHz / 16QAM



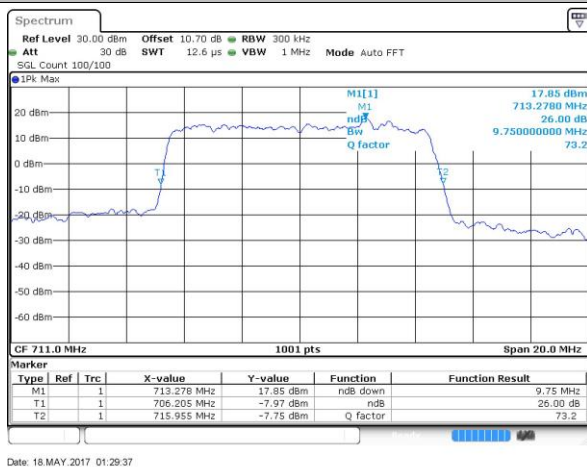
Middle Channel / 10MHz / QPSK



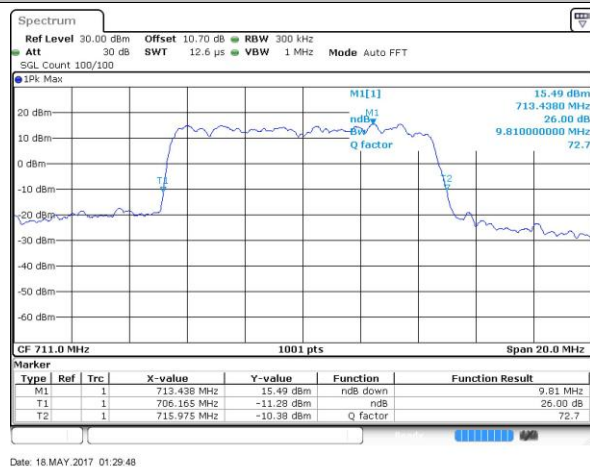
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





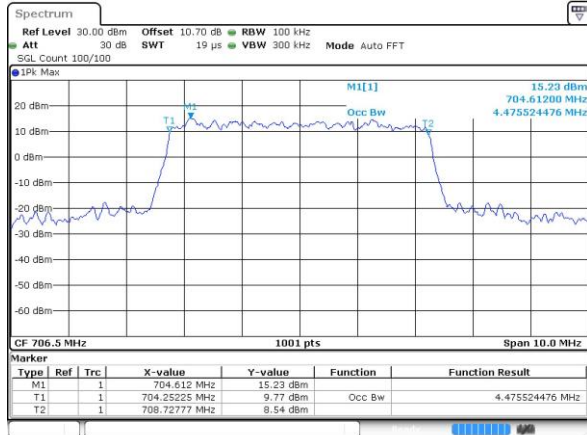
Occupied Bandwidth

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	-	-	-	-	4.48	4.49	9.11	8.99	-	-	-	-
Middle CH	-	-	-	-	4.48	4.5	9.05	9.09	-	-	-	-
Highest CH	-	-	-	-	4.49	4.47	9.01	9.03	-	-	-	-



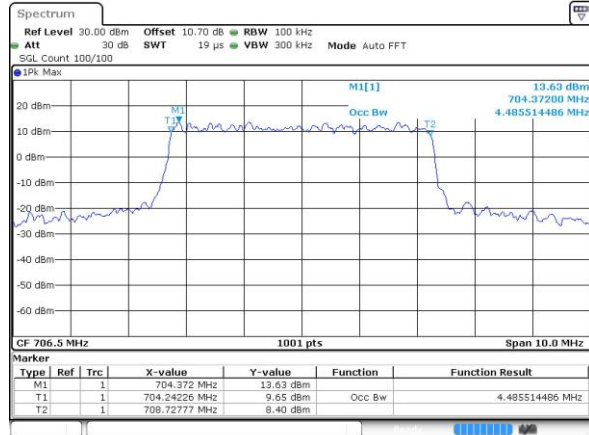
LTE Band 17

Lowest Channel / 5MHz / QPSK



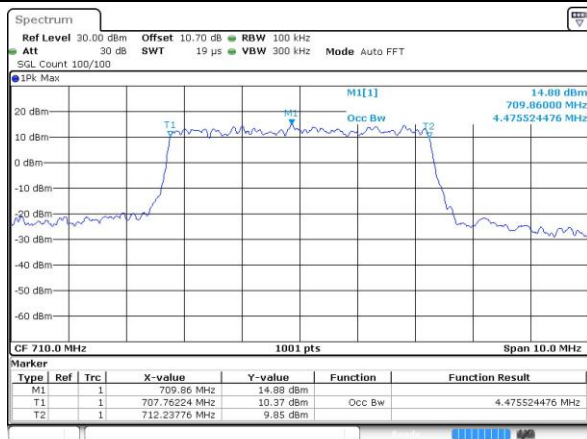
Date: 18 MAY 2017 01:02:57

Lowest Channel / 5MHz / 16QAM



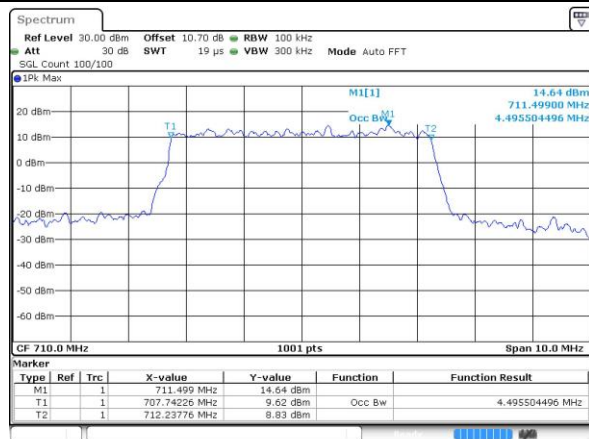
Date: 18 MAY 2017 01:03:08

Middle Channel / 5MHz / QPSK



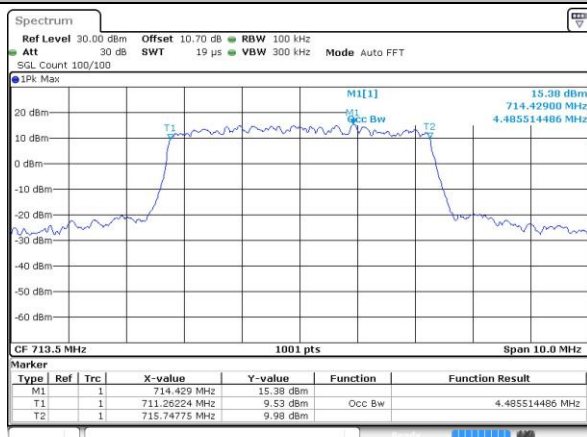
Date: 18 MAY 2017 01:10:33

Middle Channel / 5MHz / 16QAM



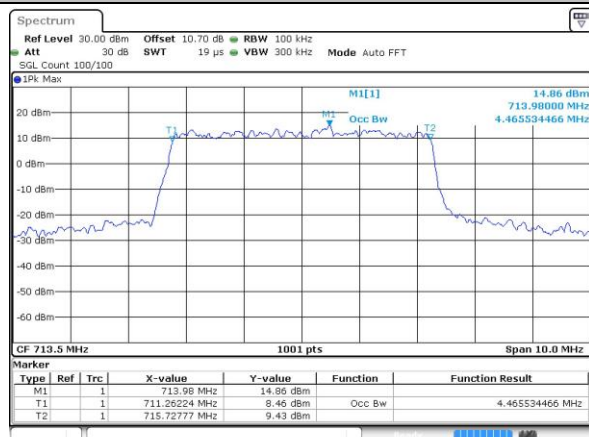
Date: 18 MAY 2017 01:10:14

Highest Channel / 5MHz / QPSK



Date: 18 MAY 2017 01:12:34

Highest Channel / 5MHz / 16QAM

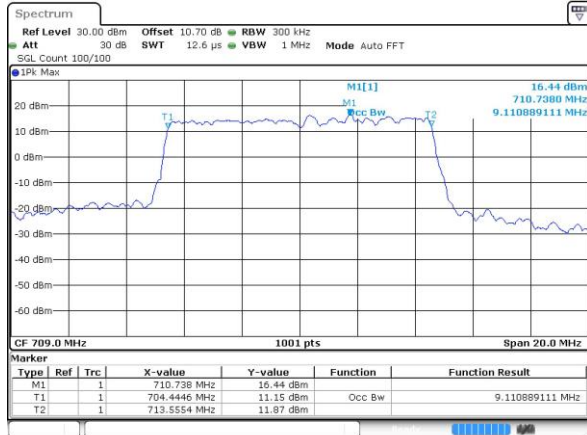


Date: 18 MAY 2017 01:12:44



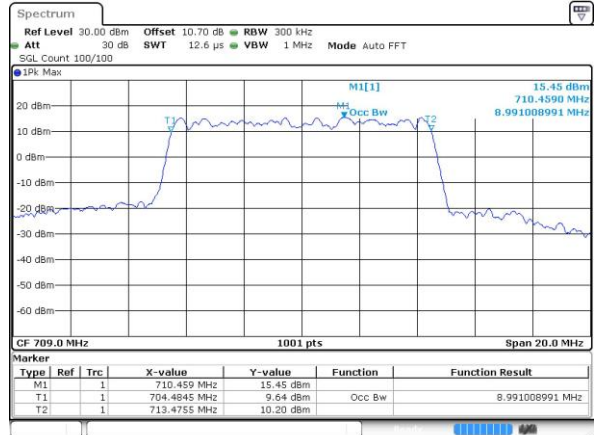
LTE Band 17

Lowest Channel / 10MHz / QPSK



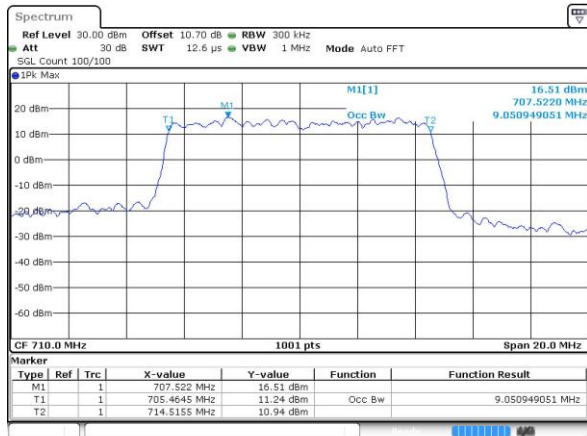
Date: 18 MAY 2017 01:19:40

Lowest Channel / 10MHz / 16QAM



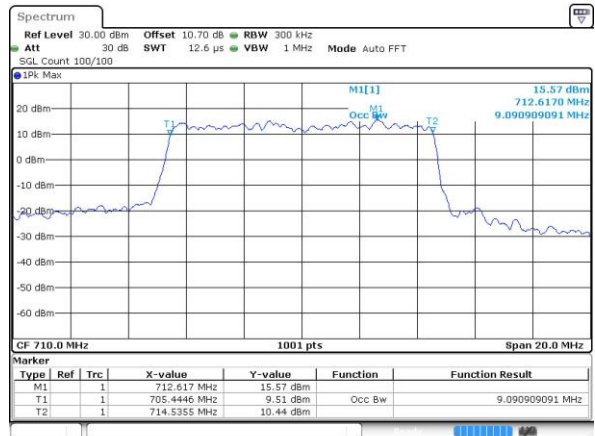
Date: 18 MAY 2017 01:19:50

Middle Channel / 10MHz / QPSK



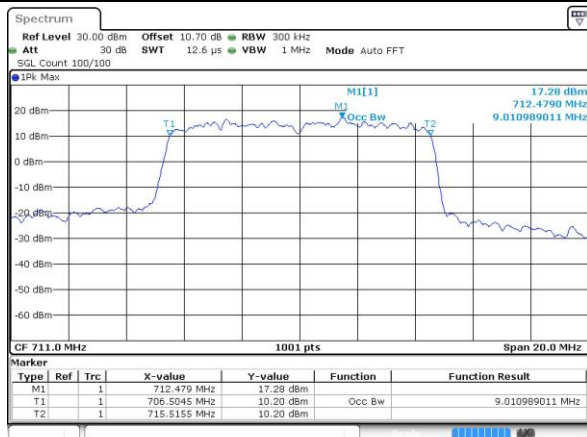
Date: 18 MAY 2017 01:26:46

Middle Channel / 10MHz / 16QAM



Date: 18 MAY 2017 01:26:57

Highest Channel / 10MHz / QPSK



Date: 18 MAY 2017 01:29:16

Highest Channel / 10MHz / 16QAM



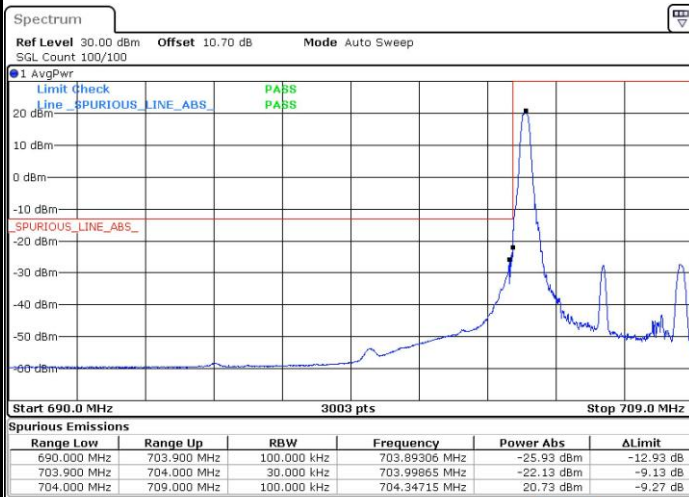
Date: 18 MAY 2017 01:29:27



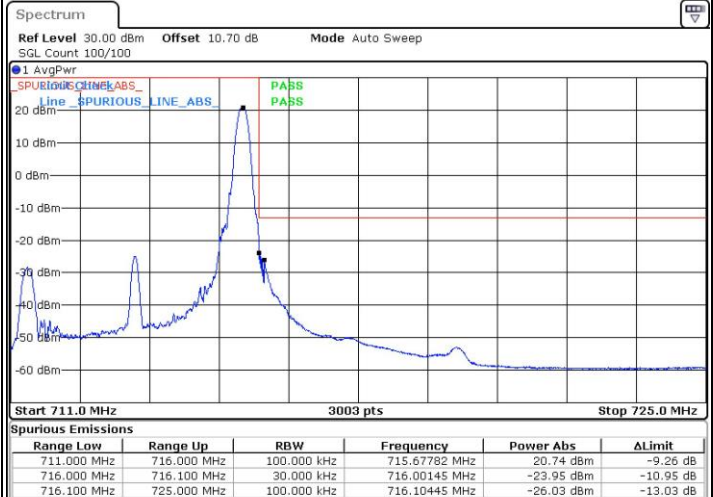
Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



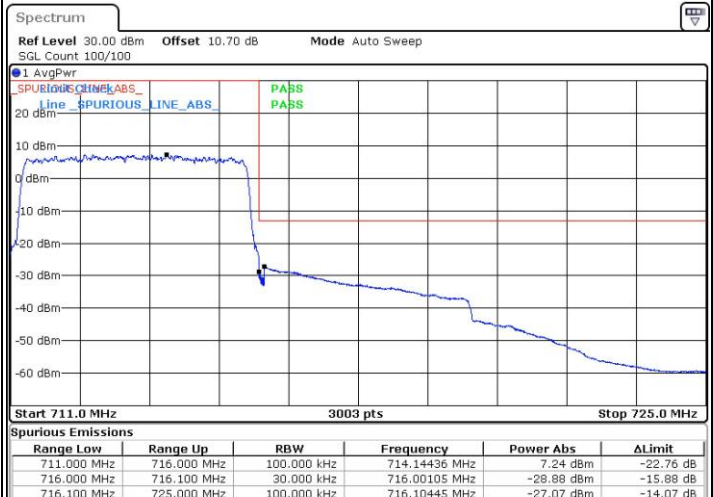
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



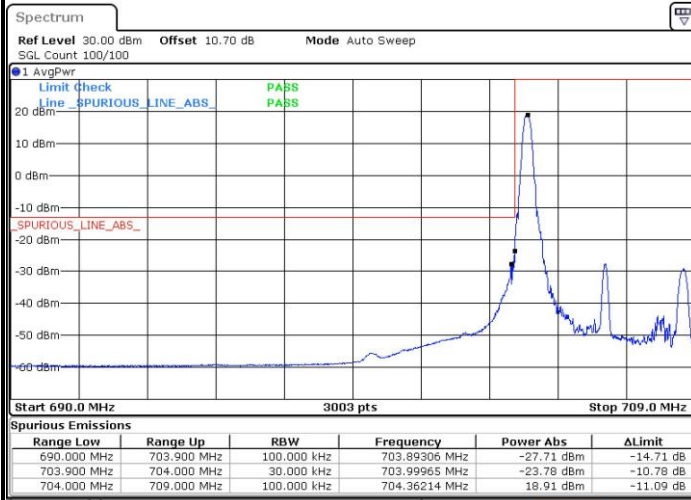
Highest Band Edge / Full RB





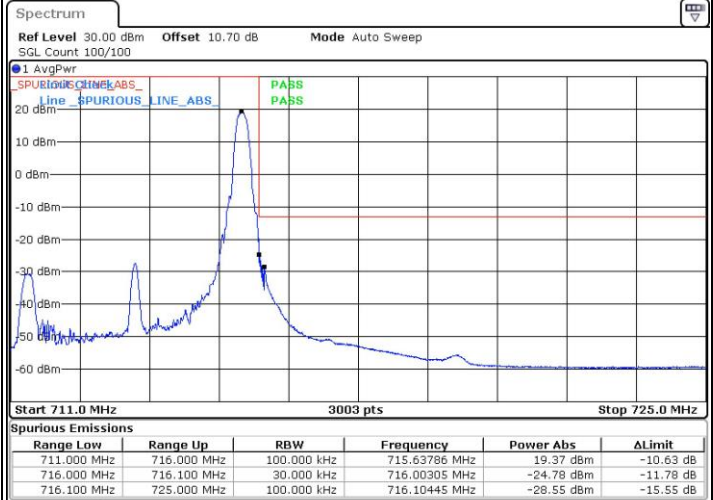
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 18.MAY.2017 01:05:46

Highest Band Edge / 1 RB



Date: 18.MAY.2017 01:15:22

Lowest Band Edge / Full RB



Date: 18.MAY.2017 01:08:04

Highest Band Edge / Full RB

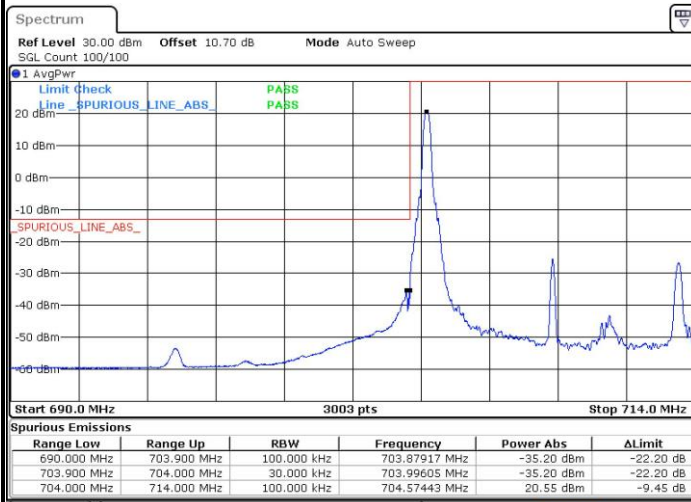


Date: 18.MAY.2017 01:17:41

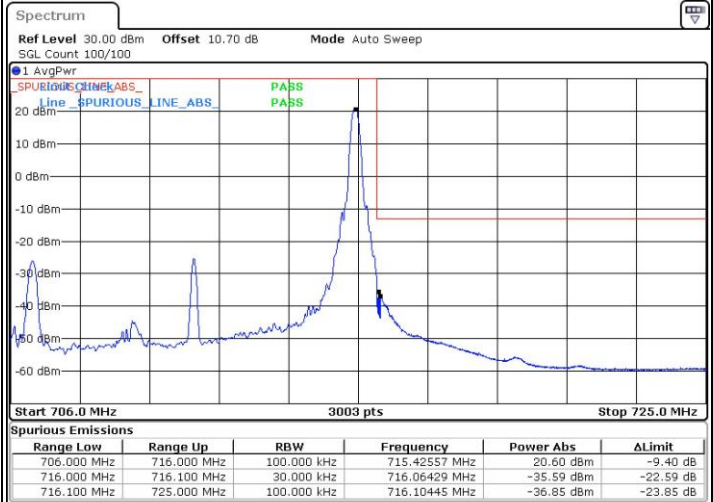


LTE Band 17 / 10MHz / QPSK

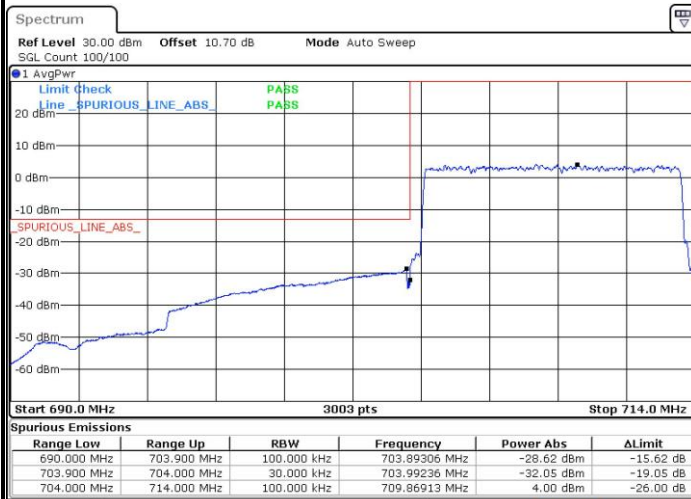
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

