



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	5.25	5.54	6.14	PASS
Middle CH	4.17	5.33	5.48	6.09	
Highest CH	4.14	5.22	5.51	6.12	



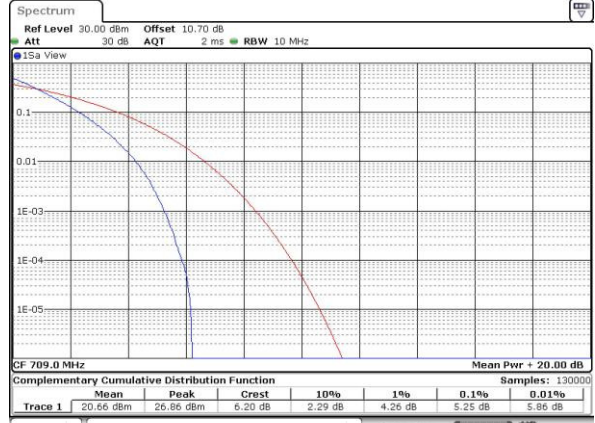
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



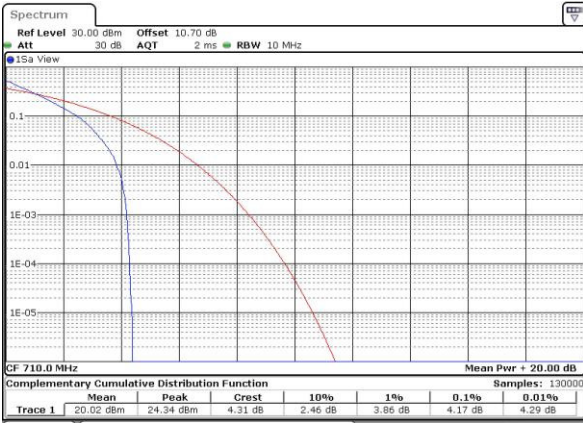
Date: 26_AUG.2016 23:48:01

Lowest Channel / Full RB



Date: 26_AUG.2016 23:50:29

Middle Channel/ 1RB



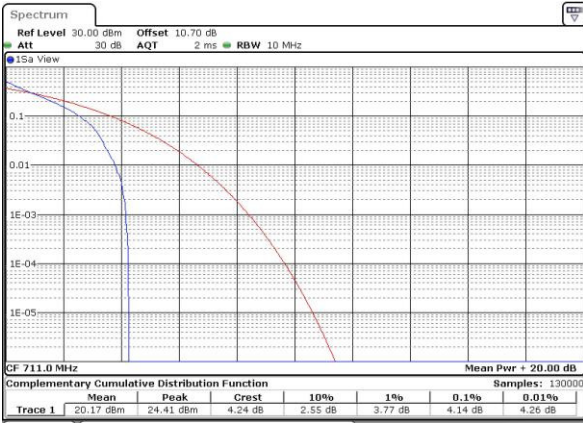
Date: 26_AUG.2016 23:59:41

Middle Channel / Full RB



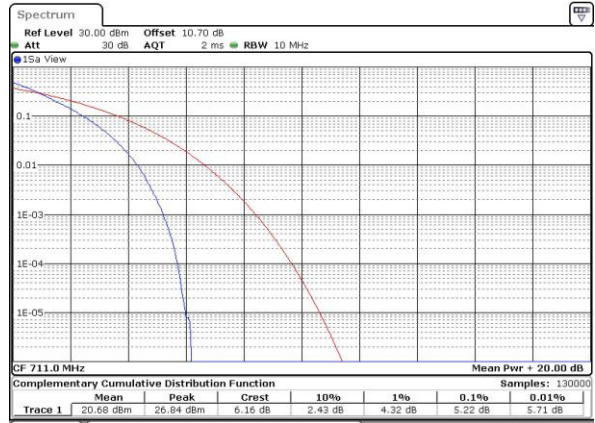
Date: 26_AUG.2016 23:50:52

Highest Channel/ 1RB



Date: 26_AUG.2016 23:51:03

Highest Channel / Full RB



Date: 26_AUG.2016 23:51:14



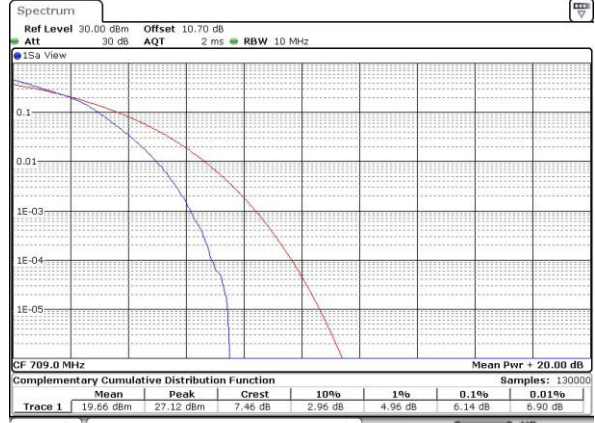
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



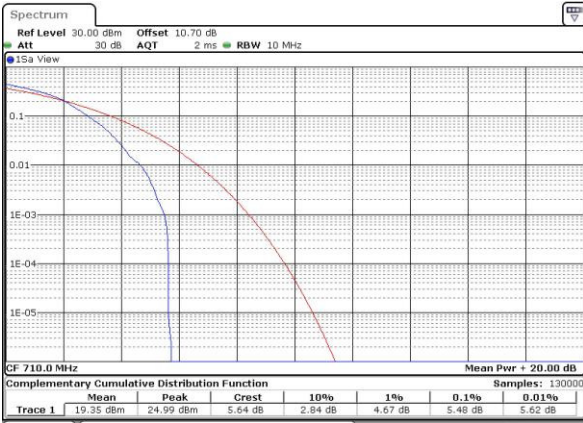
Date: 26_AUG.2016 23:46:17

Lowest Channel / Full RB



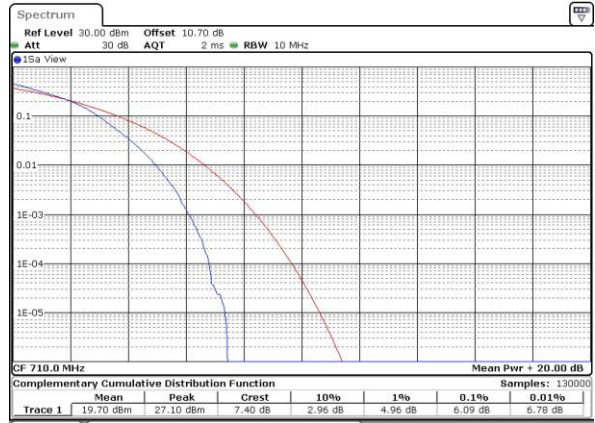
Date: 26_AUG.2016 23:46:29

Middle Channel / 1RB



Date: 26_AUG.2016 23:46:40

Middle Channel / Full RB



Date: 26_AUG.2016 23:46:52

Highest Channel / 1RB



Date: 26_AUG.2016 23:47:03

Highest Channel / Full RB



Date: 26_AUG.2016 23:47:15



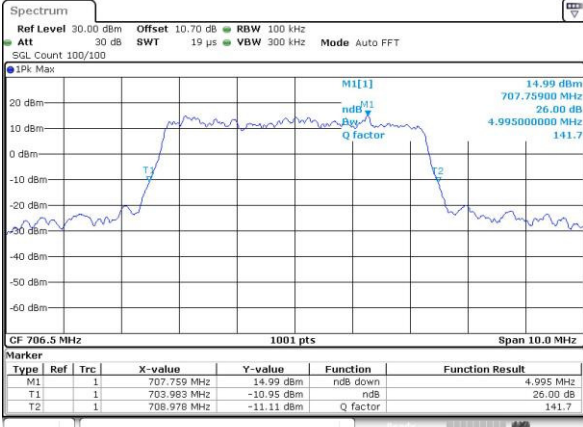
26dB Bandwidth

Mode	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.995	4.945	9.85	9.65	-	-	-	-
Middle CH	-	-	-	-	4.995	4.935	9.65	9.95	-	-	-	-
Highest CH	-	-	-	-	4.945	5.025	9.83	9.71	-	-	-	-



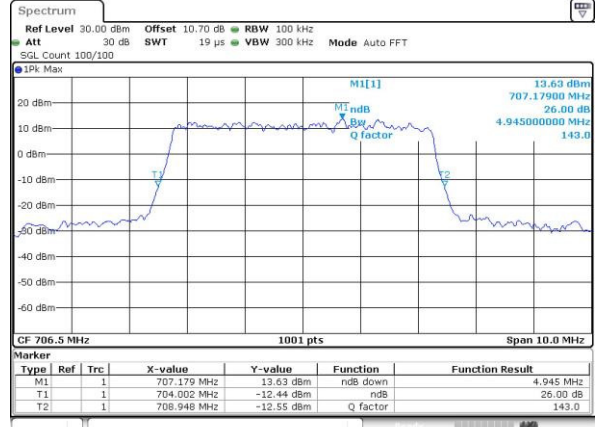
LTE Band 17

Lowest Channel / 5MHz / QPSK



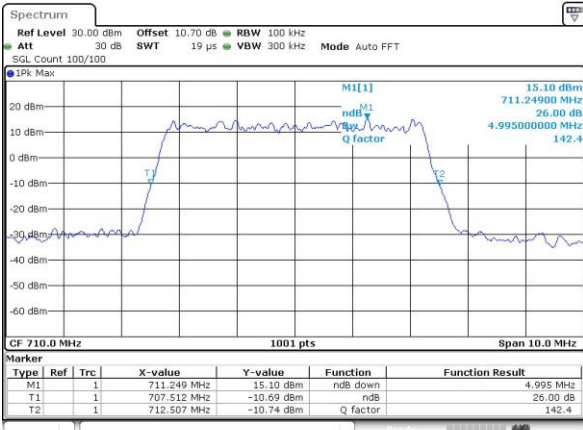
Date: 26_AUG.2016 23:11:41

Lowest Channel / 5MHz / 16QAM



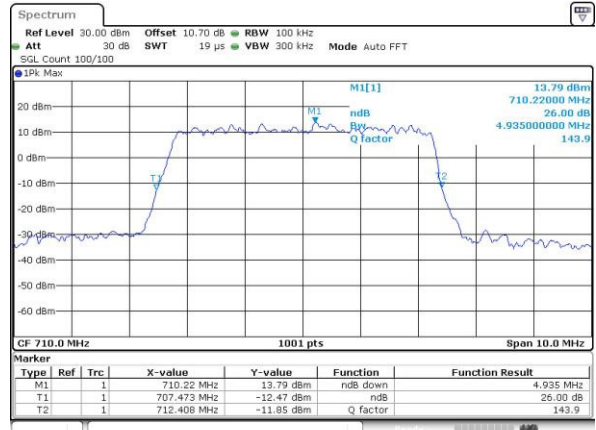
Date: 26_AUG.2016 23:11:53

Middle Channel / 5MHz / QPSK



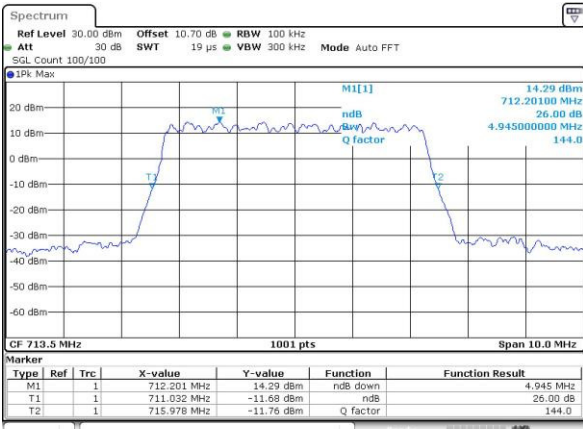
Date: 26_AUG.2016 23:19:03

Middle Channel / 5MHz / 16QAM



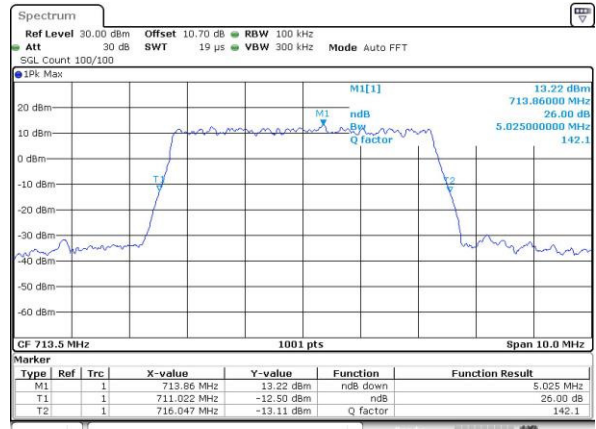
Date: 26_AUG.2016 23:19:15

Highest Channel / 5MHz / QPSK



Date: 26_AUG.2016 23:21:46

Highest Channel / 5MHz / 16QAM

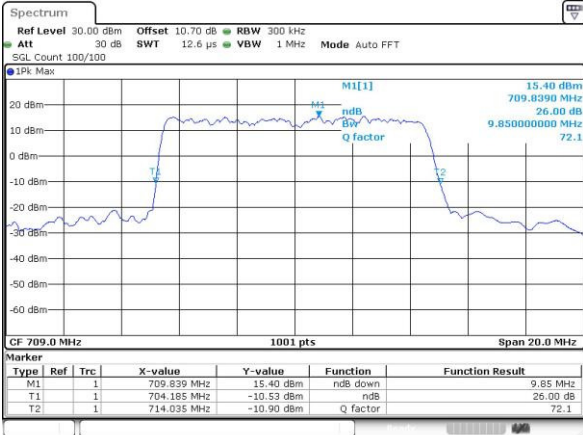


Date: 26_AUG.2016 23:21:58



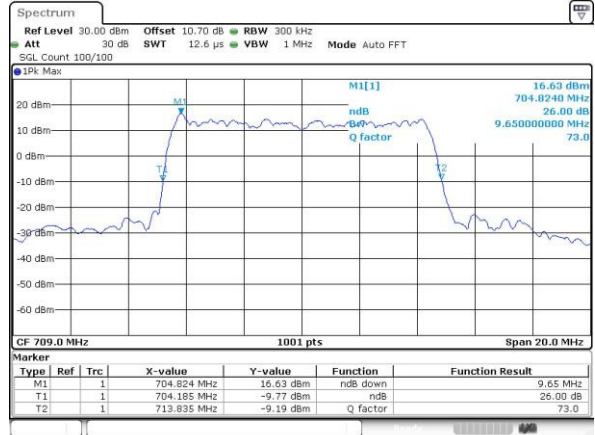
LTE Band 17

Lowest Channel / 10MHz / QPSK



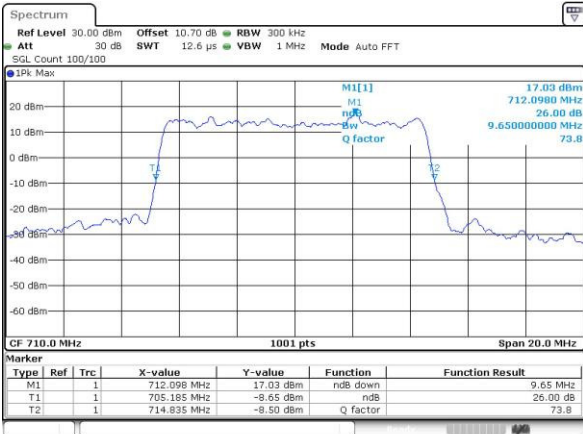
Date: 26.AUG.2016 23:29:07

Lowest Channel / 10MHz / 16QAM



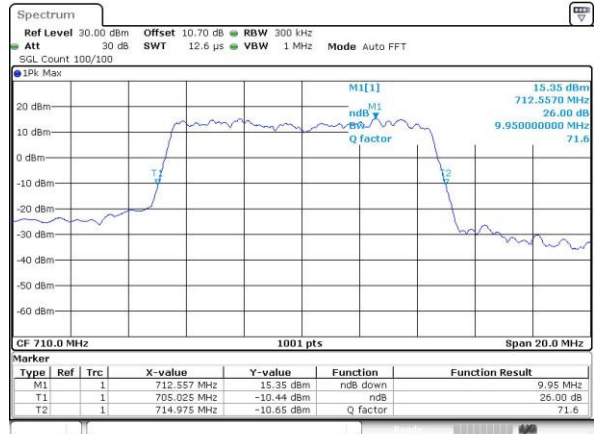
Date: 26.AUG.2016 23:12:19

Middle Channel / 10MHz / QPSK



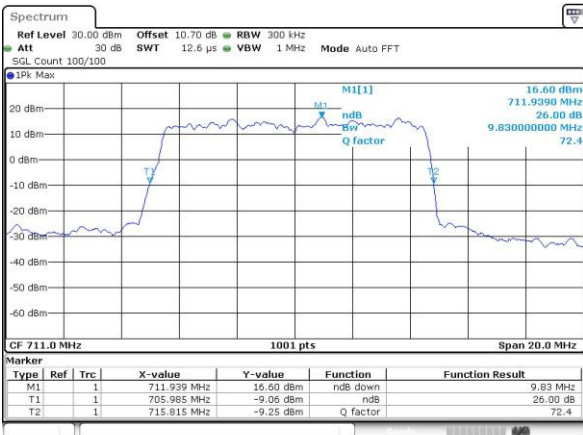
Date: 26.AUG.2016 23:36:29

Middle Channel / 10MHz / 16QAM



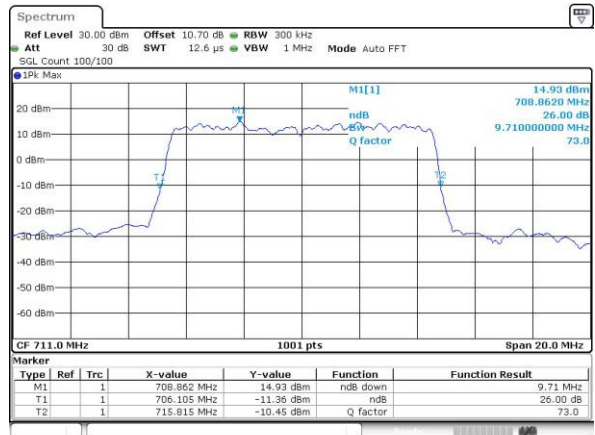
Date: 26.AUG.2016 23:36:40

Highest Channel / 10MHz / QPSK



Date: 26.AUG.2016 23:39:12

Highest Channel / 10MHz / 16QAM



Date: 26.AUG.2016 23:39:24



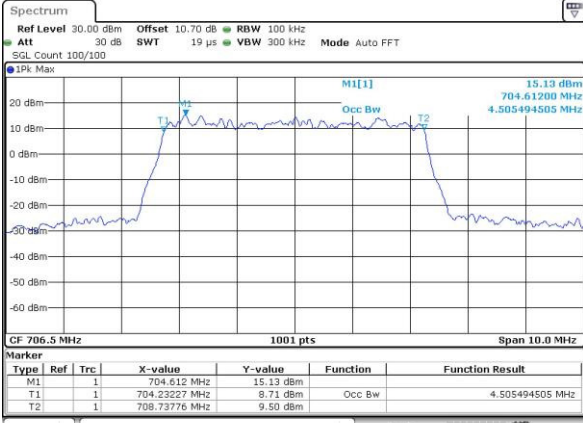
Occupied Bandwidth

Mode	LTE Band 17 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.5	9.11	9.05	-	-	-	-
Middle CH	-	-	-	-	4.51	4.51	9.05	9.03	-	-	-	-
Highest CH	-	-	-	-	4.5	4.5	9.09	9.03	-	-	-	-



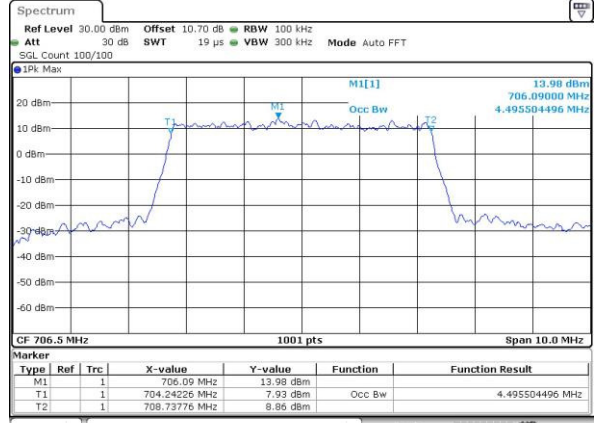
LTE Band 17

Lowest Channel / 5MHz / QPSK



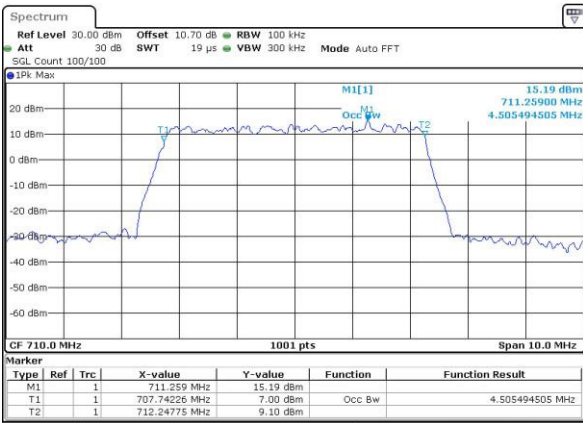
Date: 26_AUG.2016 23:11:10

Lowest Channel / 5MHz / 16QAM



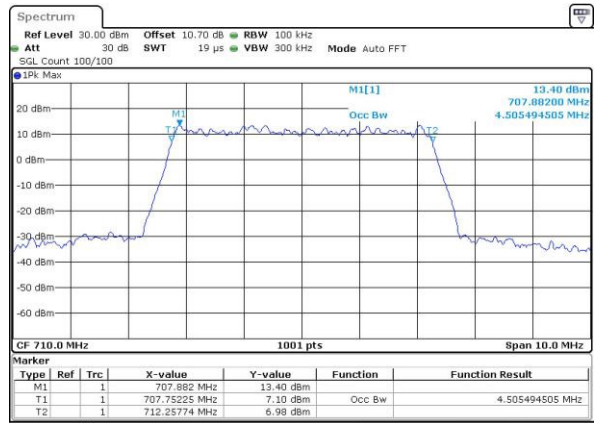
Date: 26_AUG.2016 23:11:130

Middle Channel / 5MHz / QPSK



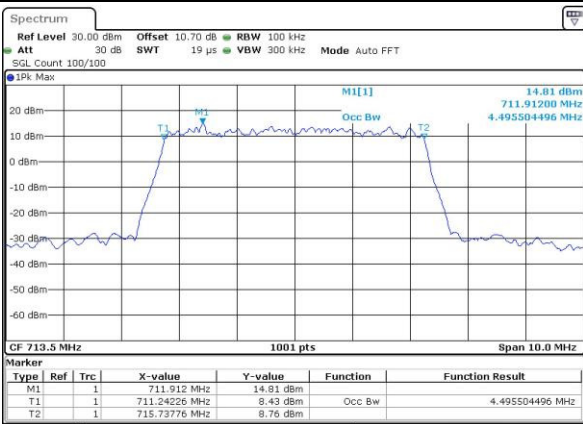
Date: 26_AUG.2016 23:18:59

Middle Channel / 5MHz / 16QAM



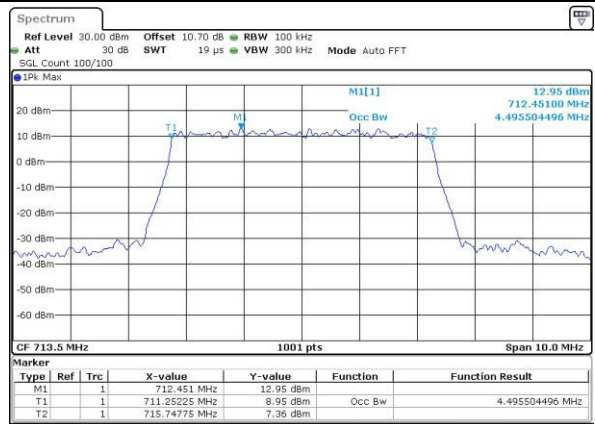
Date: 26_AUG.2016 23:18:51

Highest Channel / 5MHz / QPSK



Date: 26_AUG.2016 23:21:23

Highest Channel / 5MHz / 16QAM

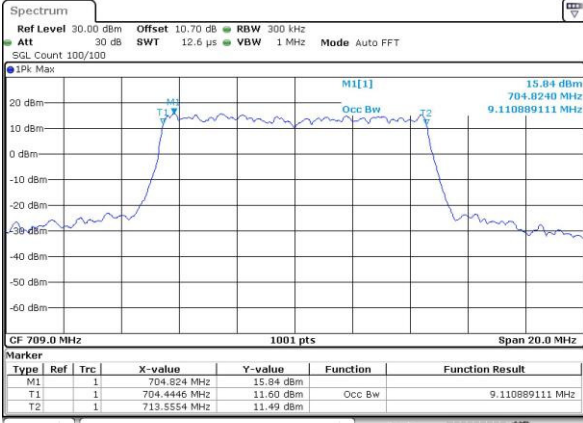


Date: 26_AUG.2016 23:21:134



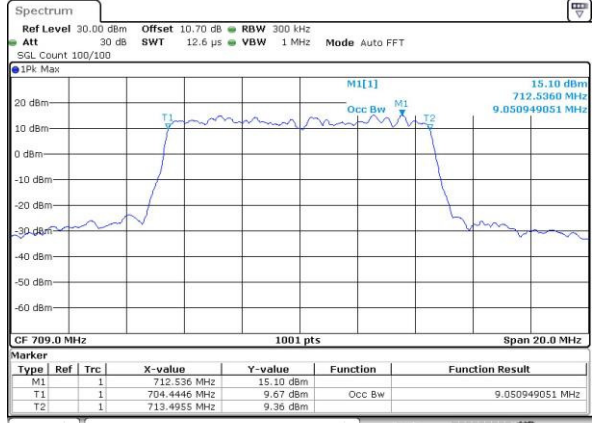
LTE Band 17

Lowest Channel / 10MHz / QPSK



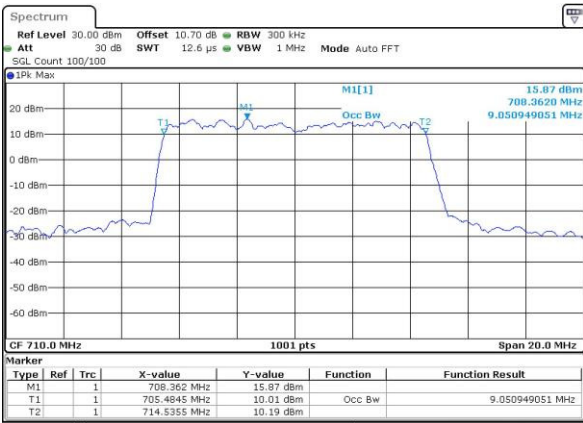
Date: 26_AUG.2016 23:28:44

Lowest Channel / 10MHz / 16QAM



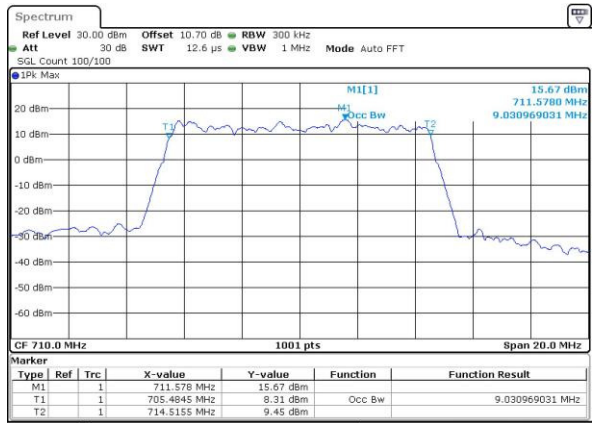
Date: 26_AUG.2016 23:28:56

Middle Channel / 10MHz / QPSK



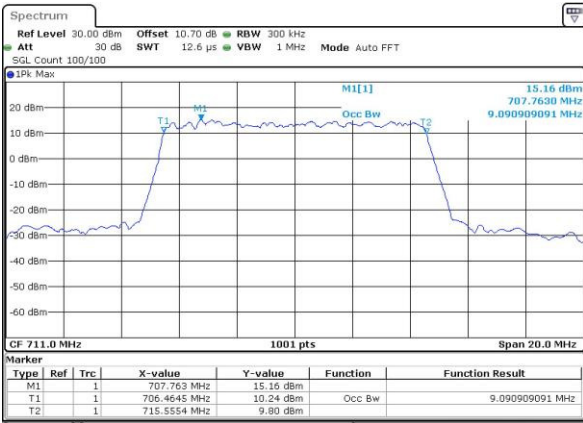
Date: 26_AUG.2016 23:36:05

Middle Channel / 10MHz / 16QAM



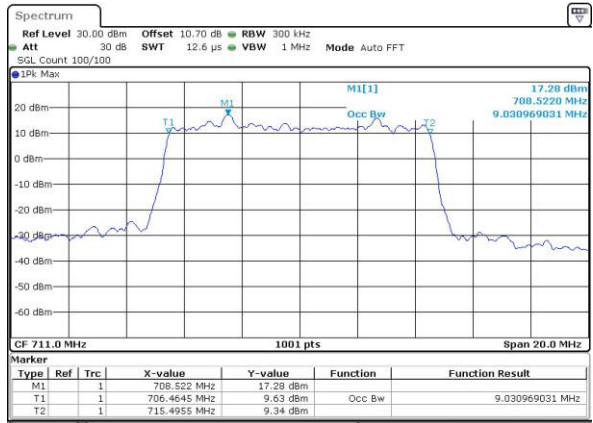
Date: 26_AUG.2016 23:36:17

Highest Channel / 10MHz / QPSK



Date: 26_AUG.2016 23:38:49

Highest Channel / 10MHz / 16QAM



Date: 26_AUG.2016 23:39:00

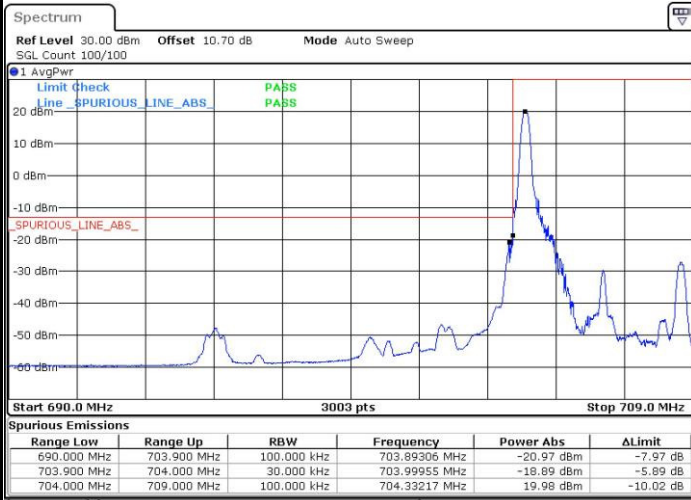


Conducted Band Edge



LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



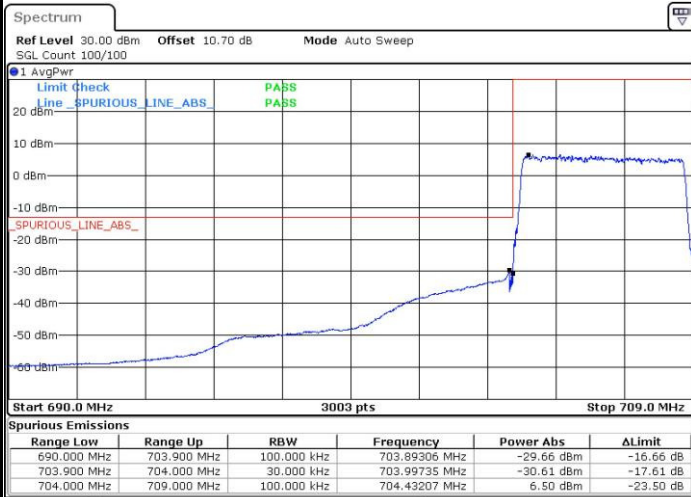
Date: 26.AUG.2016 23:13:03

Highest Band Edge / 1 RB



Date: 26.AUG.2016 23:23:07

Lowest Band Edge / Full RB



Date: 26.AUG.2016 23:15:22

Highest Band Edge / Full RB

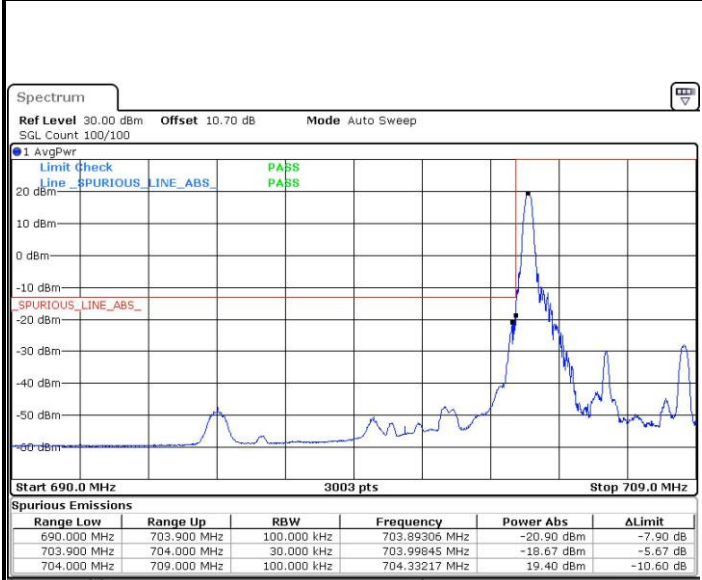


Date: 26.AUG.2016 23:25:27



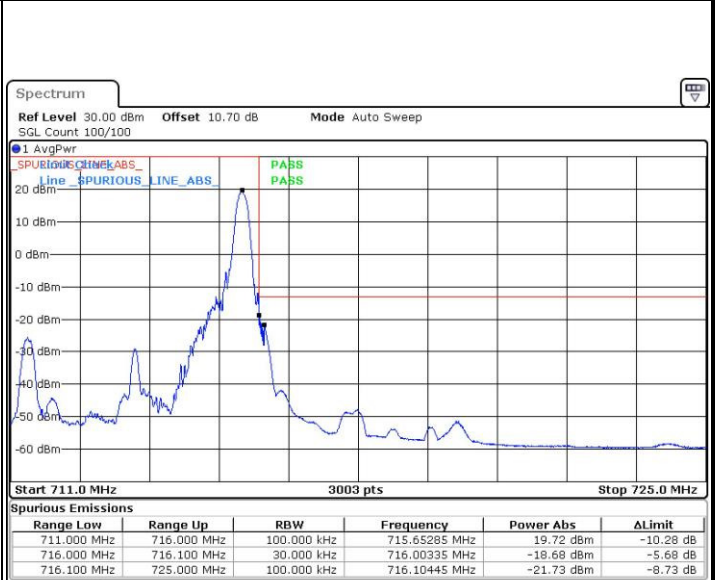
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



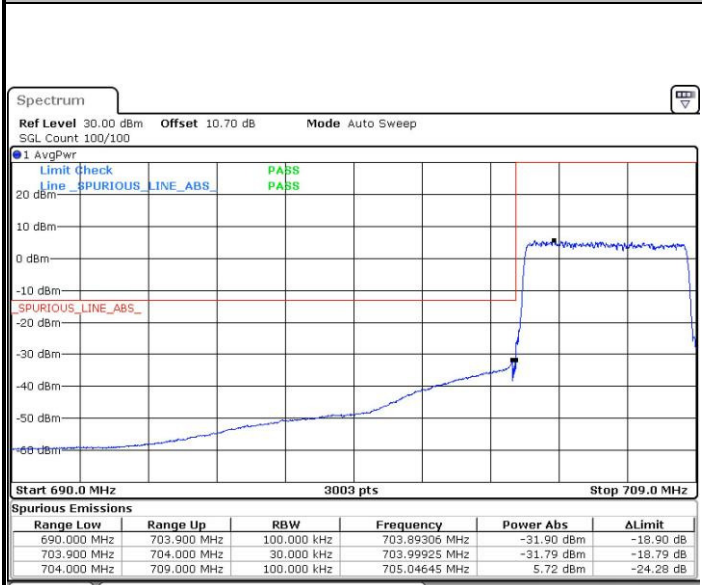
Date: 26.AUG.2016 23:14:12

Highest Band Edge / 1 RB



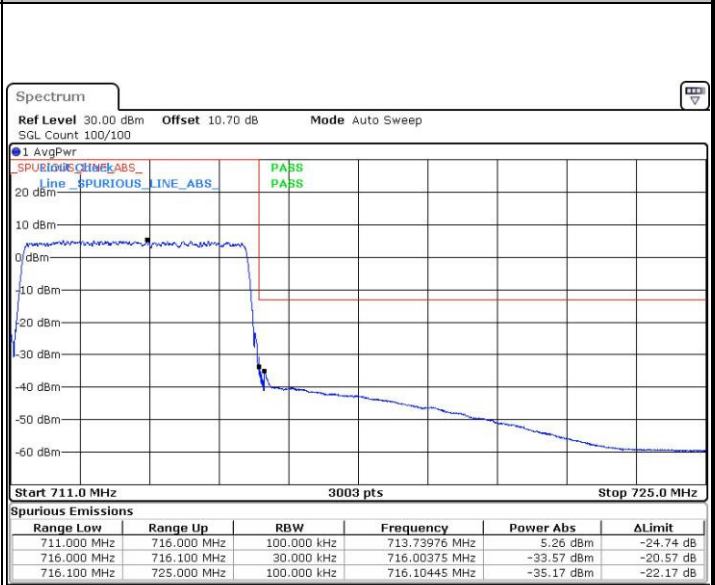
Date: 26.AUG.2016 23:24:17

Lowest Band Edge / Full RB



Date: 26.AUG.2016 23:16:31

Highest Band Edge / Full RB

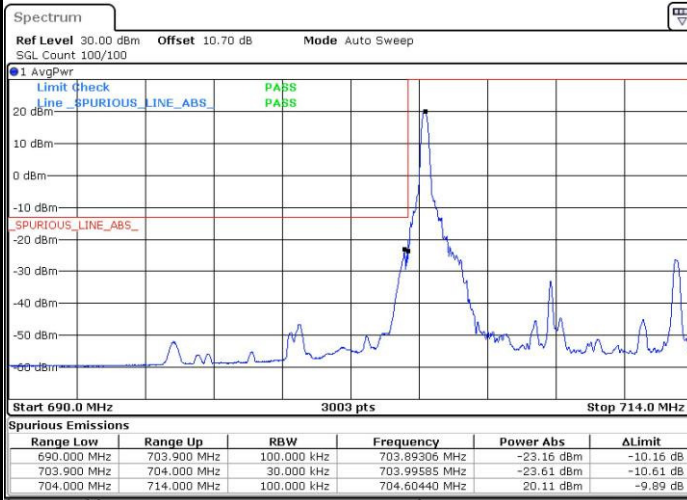


Date: 26.AUG.2016 23:26:36



LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



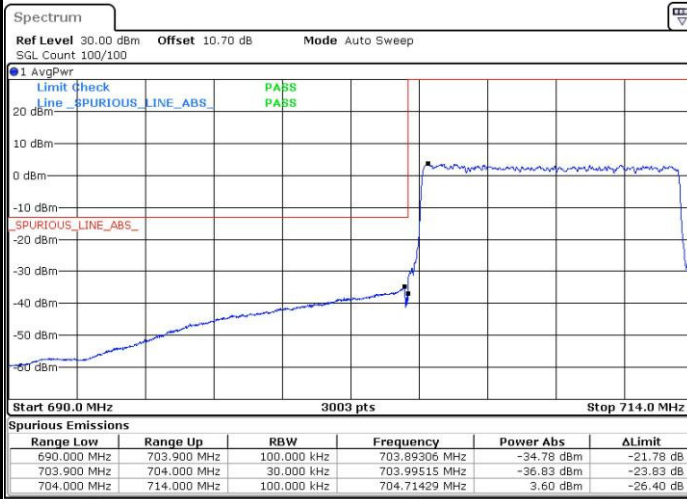
Date: 26.AUG.2016 23:30:28

Highest Band Edge / 1 RB



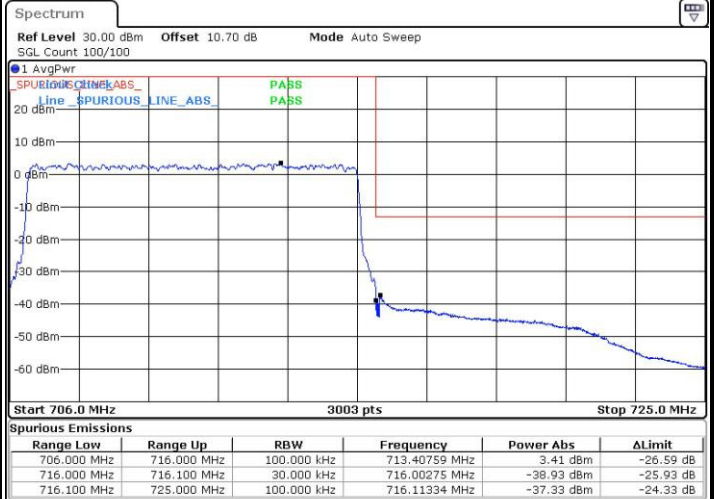
Date: 26.AUG.2016 23:40:33

Lowest Band Edge / Full RB



Date: 26.AUG.2016 23:32:47

Highest Band Edge / Full RB

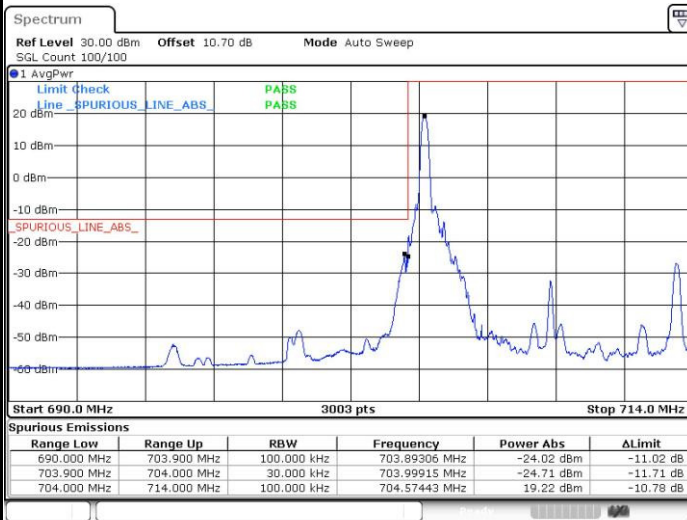


Date: 26.AUG.2016 23:42:52



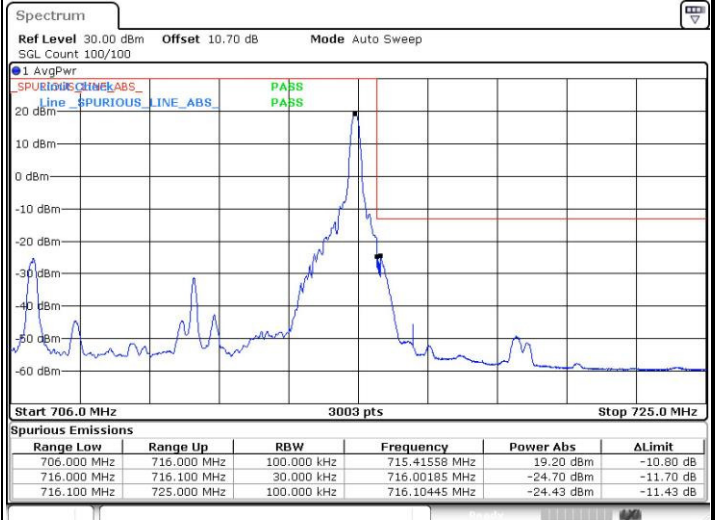
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



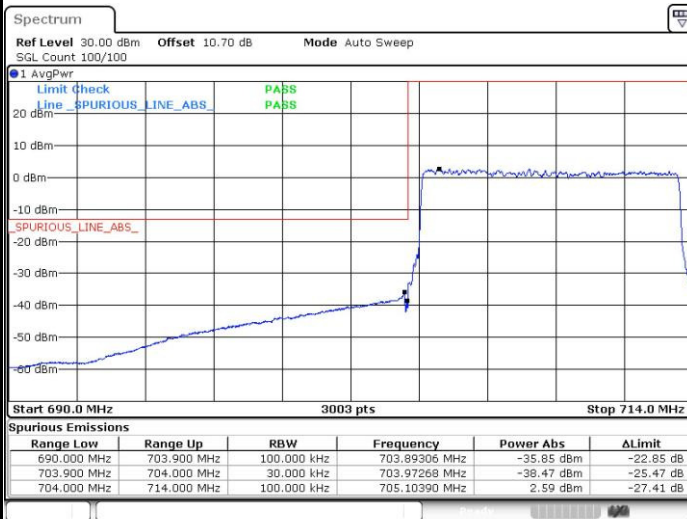
Date: 26.AUG.2016 23:31:38

Highest Band Edge / 1 RB



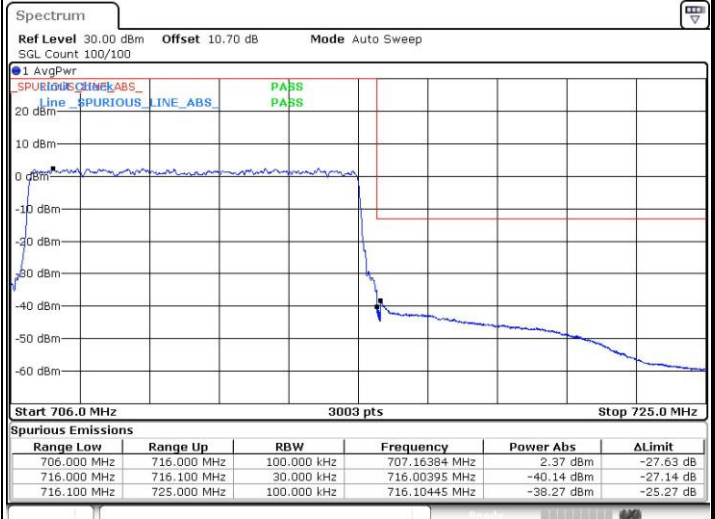
Date: 26.AUG.2016 23:41:43

Lowest Band Edge / Full RB



Date: 26.AUG.2016 23:33:57

Highest Band Edge / Full RB



Date: 26.AUG.2016 23:44:02

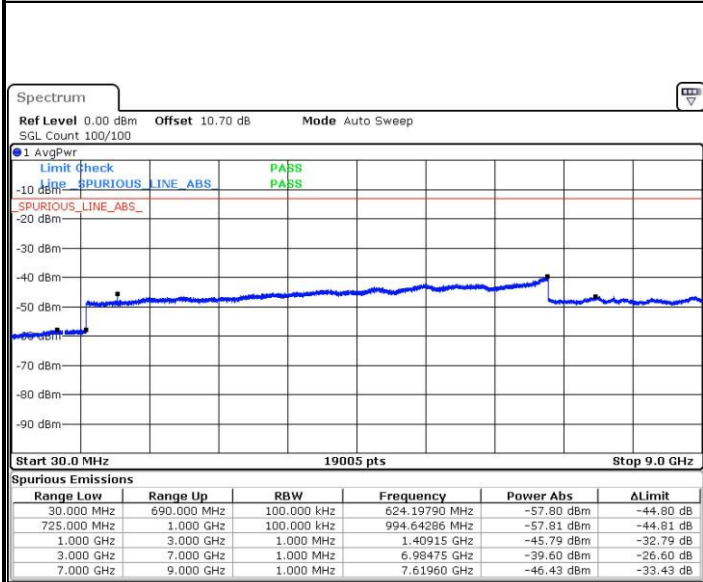


Conducted Spurious Emission



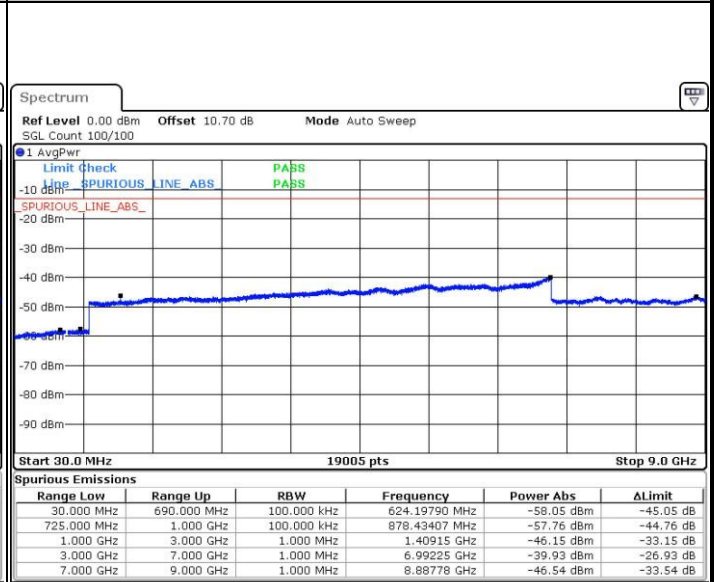
LTE Band 17 / 5MHz

Lowest Channel / QPSK



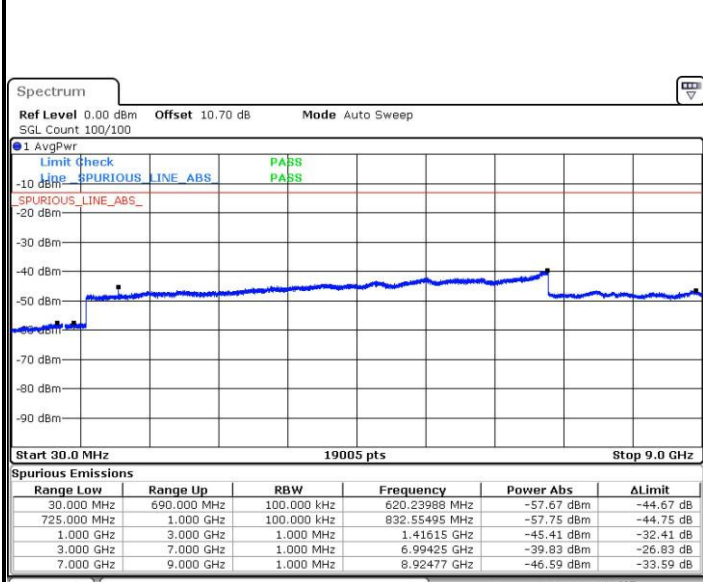
Date: 26.AUG.2016 23:17:29

Lowest Channel / 16QAM



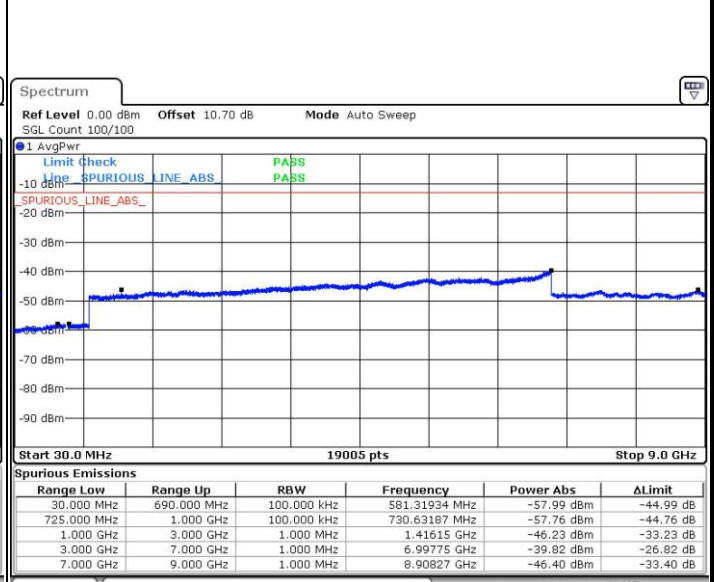
Date: 26.AUG.2016 23:18:27

Middle Channel / QPSK



Date: 26.AUG.2016 23:20:12

Middle Channel / 16QAM

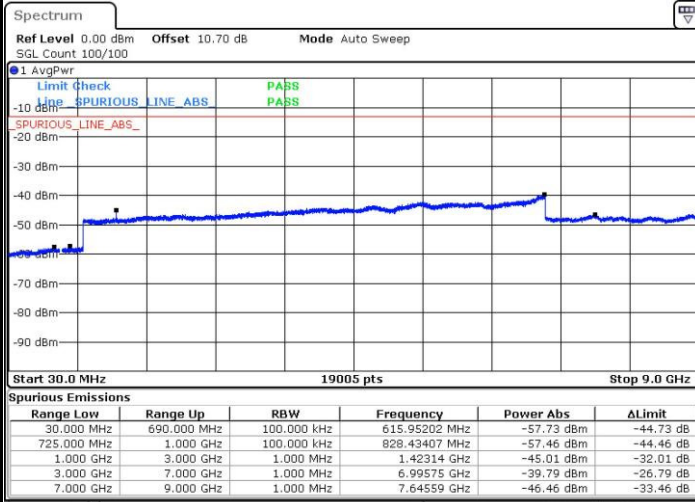


Date: 26.AUG.2016 23:21:10



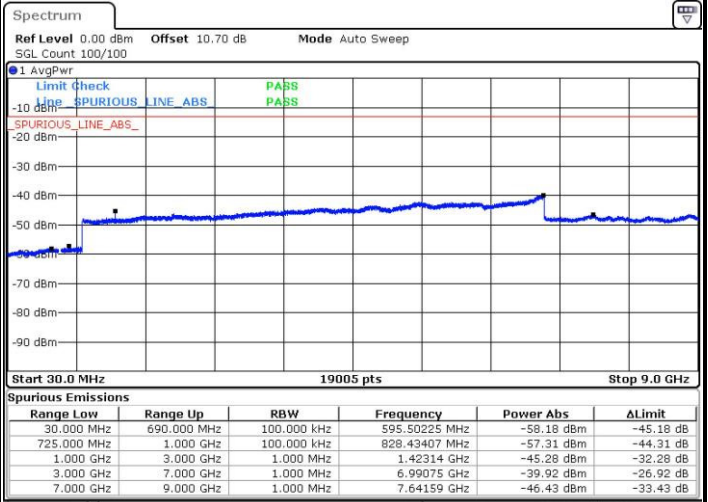
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 26.AUG.2016 23:27:33

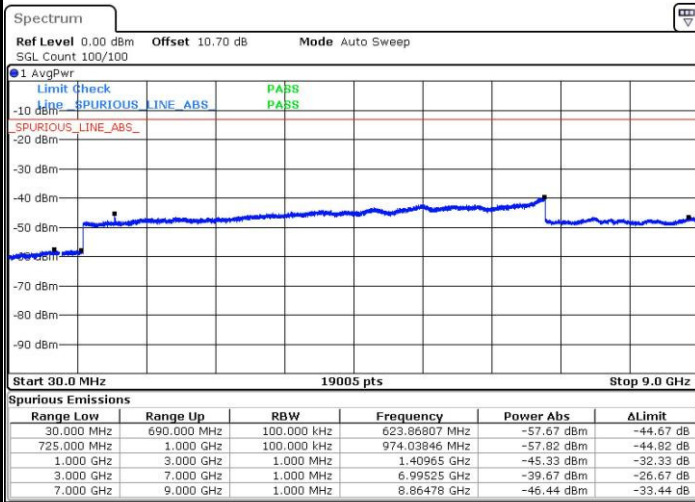
Highest Channel / 16QAM



Date: 26.AUG.2016 23:28:31

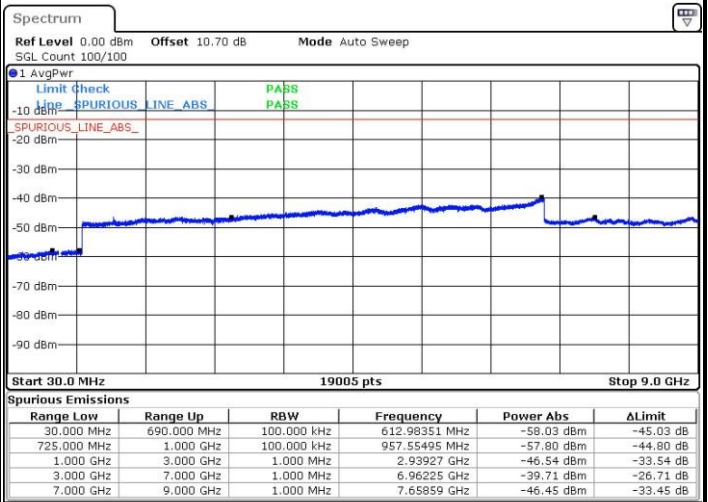
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 26.AUG.2016 23:34:54

Lowest Channel / 16QAM



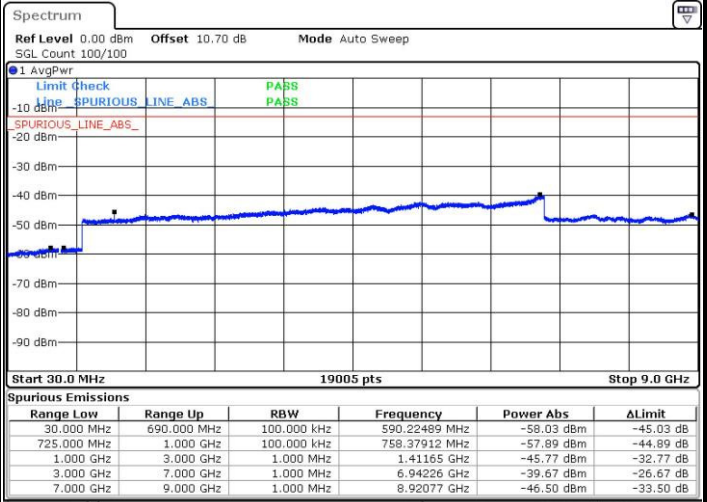
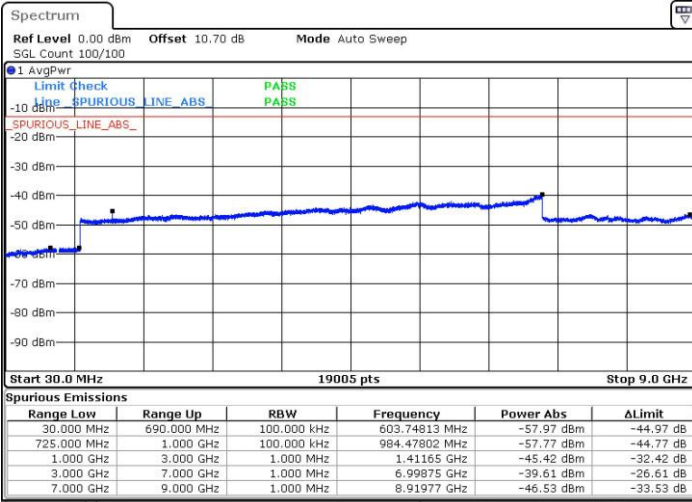
Date: 26.AUG.2016 23:35:53



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

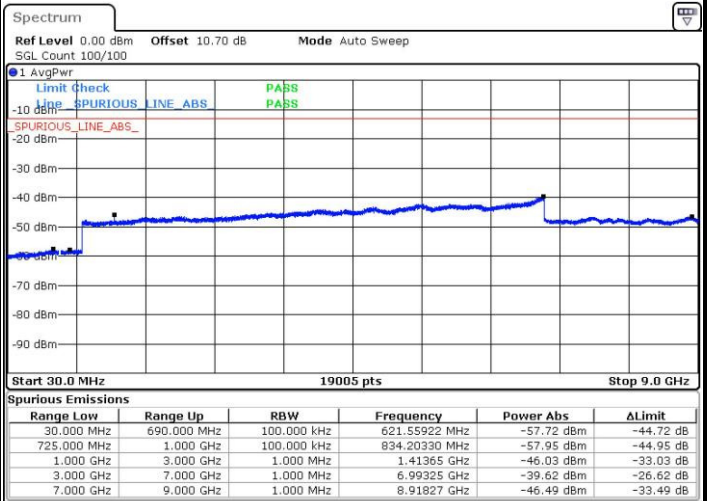
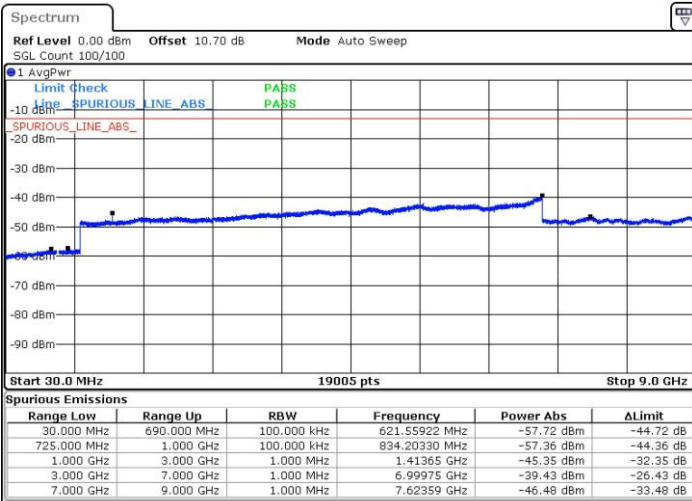


Date: 26.AUG.2016 23:37:38

Date: 26.AUG.2016 23:38:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26.AUG.2016 23:44:59

Date: 26.AUG.2016 23:45:57



Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0052	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.85 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 based on the frequency deviation measured is small.