



## 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	5.04	4.75	5.59	5.80	<b>PASS</b>
Middle CH	5.28	4.87	6.17	5.77	
Highest CH	5.13	4.87	6.38	5.74	



LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



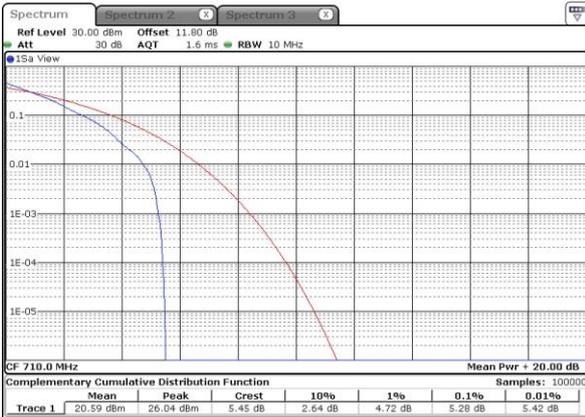
Date: 28 JUL 2015 01:11:46

Lowest Channel / Full RB



Date: 28 JUL 2015 01:12:00

Middle Channel / 1RB



Date: 28 JUL 2015 01:12:15

Middle Channel / Full RB



Date: 28 JUL 2015 01:12:26

Highest Channel / 1RB



Date: 28 JUL 2015 01:12:35

Highest Channel / Full RB



Date: 28 JUL 2015 01:12:45



LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



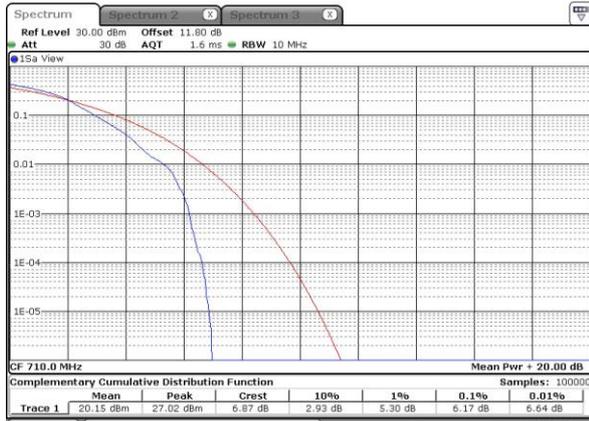
Date: 28 JUL 2015 01:08:27

Lowest Channel / Full RB



Date: 28 JUL 2015 01:08:41

Middle Channel / 1RB



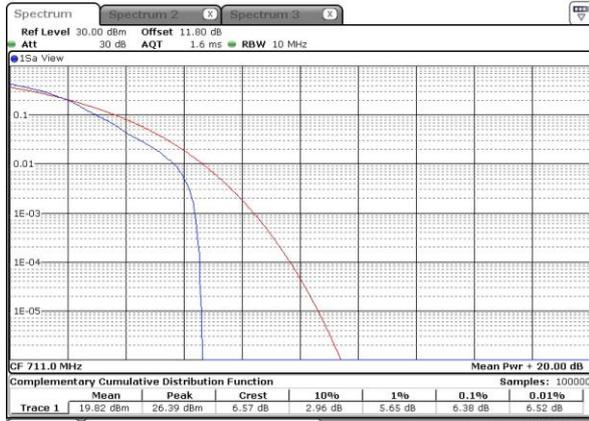
Date: 28 JUL 2015 01:08:52

Middle Channel / Full RB



Date: 28 JUL 2015 01:09:06

Highest Channel / 1RB



Date: 28 JUL 2015 01:09:20

Highest Channel / Full RB



Date: 28 JUL 2015 01:11:35



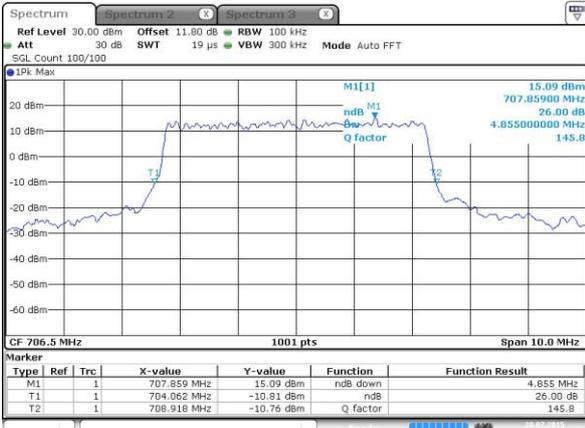
**26dB Bandwidth**

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	-	-	-	-	4.86	4.86	10.19	10.11	-	-	-	-
Middle CH	-	-	-	-	4.99	4.95	9.97	9.81	-	-	-	-
Highest CH	-	-	-	-	4.92	5.00	9.87	10.05	-	-	-	-



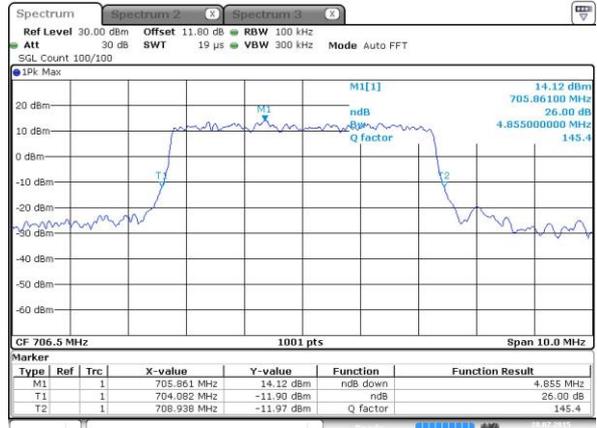
LTE Band 17

Lowest Channel / 5MHz / QPSK



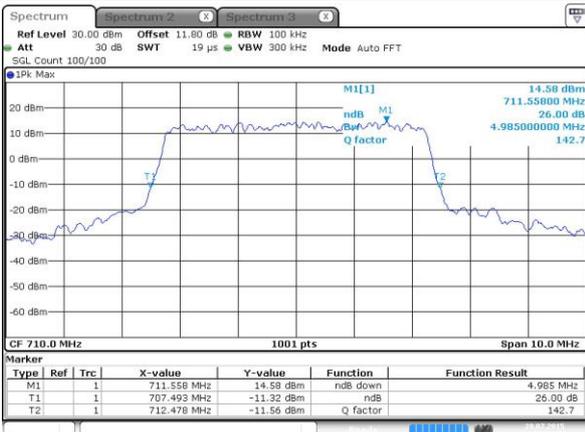
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Lowest Channel / 5MHz / 16QAM



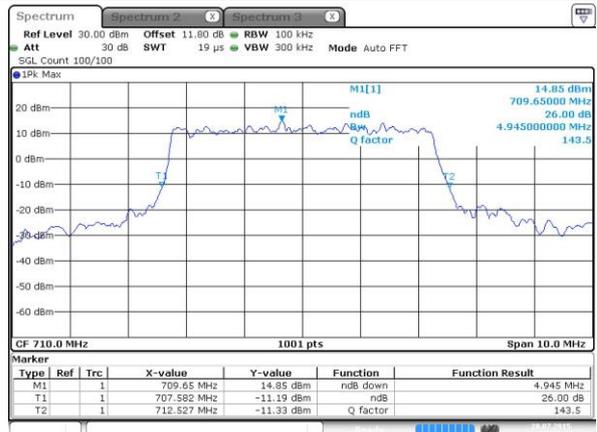
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Middle Channel / 5MHz / QPSK



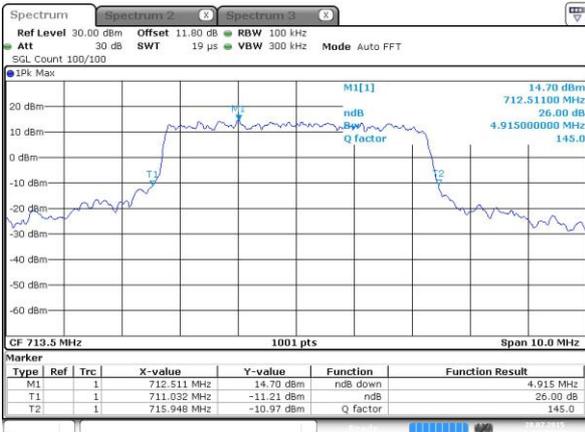
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Middle Channel / 5MHz / 16QAM



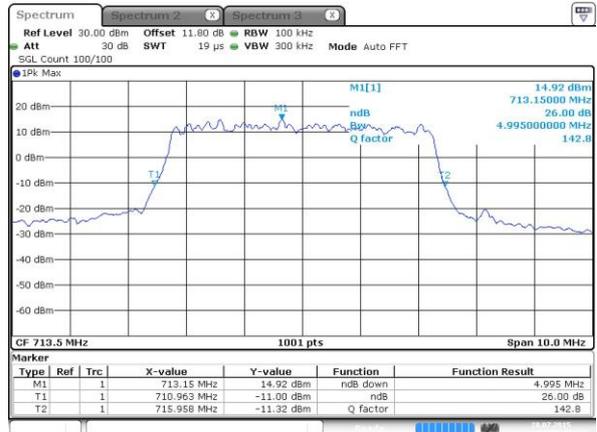
Date: 28 JUL 2015 00:33:16

Highest Channel / 5MHz / QPSK



Date: 28 JUL 2015 00:35:37

Highest Channel / 5MHz / 16QAM

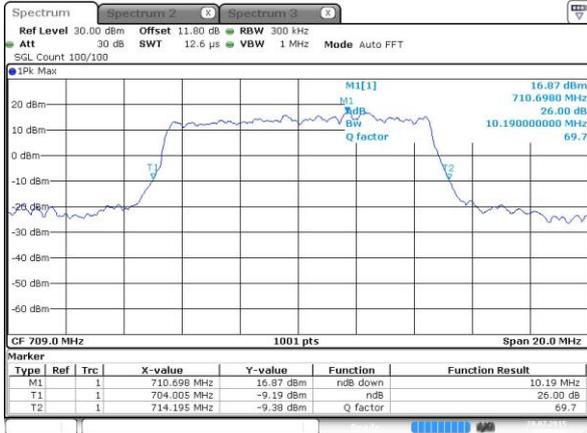


Date: 28 JUL 2015 00:35:48



LTE Band 17

Lowest Channel / 10MHz / QPSK



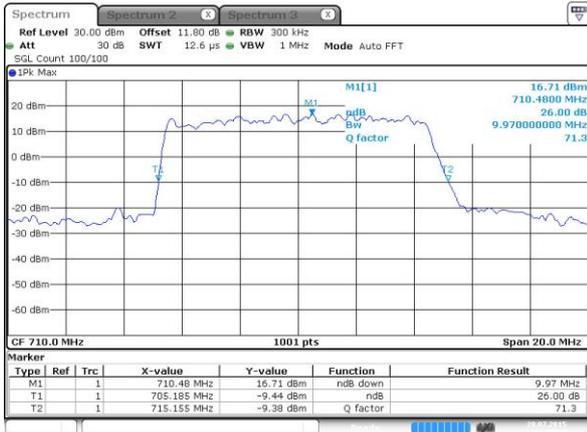
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Lowest Channel / 10MHz / 16QAM



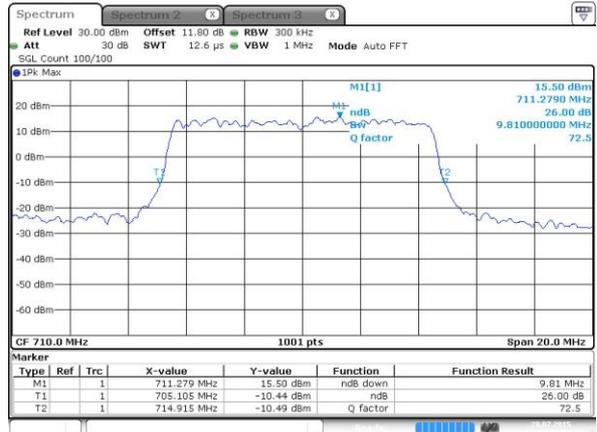
Date: 28 JUL 2015 00:46:01

Middle Channel / 10MHz / QPSK



Date: 28 JUL 2015 00:55:59

Middle Channel / 10MHz / 16QAM



Date: 28 JUL 2015 00:56:09

Highest Channel / 10MHz / QPSK



Date: 28 JUL 2015 00:58:30

Highest Channel / 10MHz / 16QAM



Date: 28 JUL 2015 00:58:40



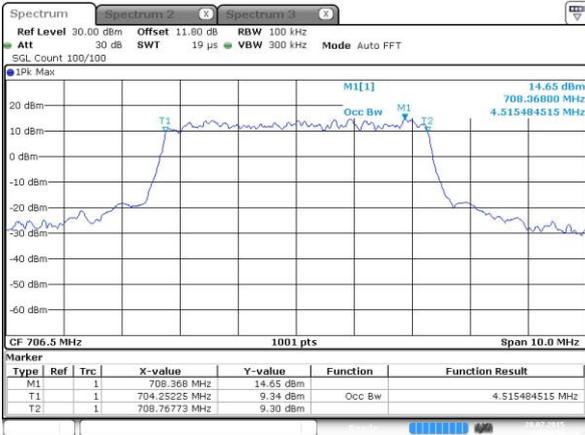
### Occupied Bandwidth

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
Lowest CH	-	-	-	-	4.52	4.49	9.17	9.03	-	-	-	-
Middle CH	-	-	-	-	4.49	4.48	8.97	8.97	-	-	-	-
Highest CH	-	-	-	-	4.48	4.47	9.03	8.97	-	-	-	-



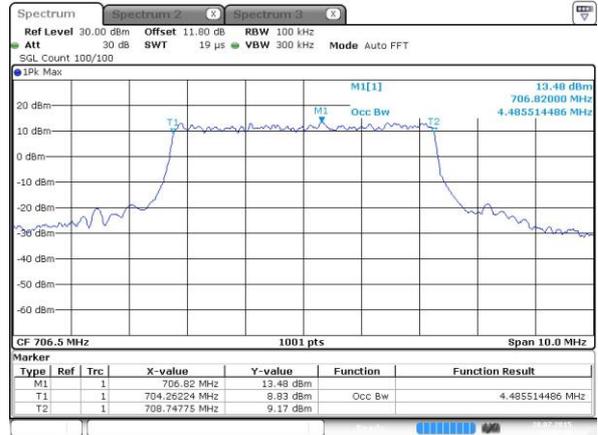
LTE Band 17

Lowest Channel / 5MHz / QPSK



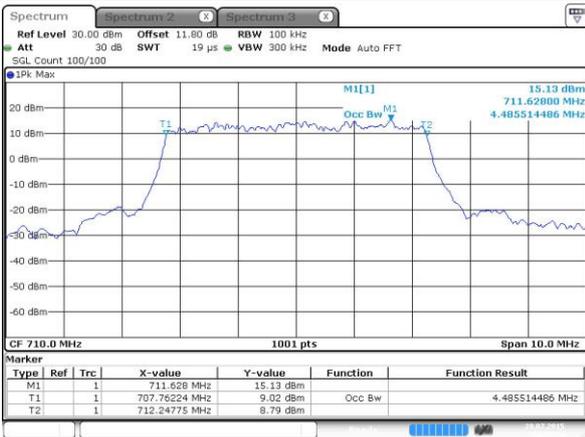
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Lowest Channel / 5MHz / 16QAM



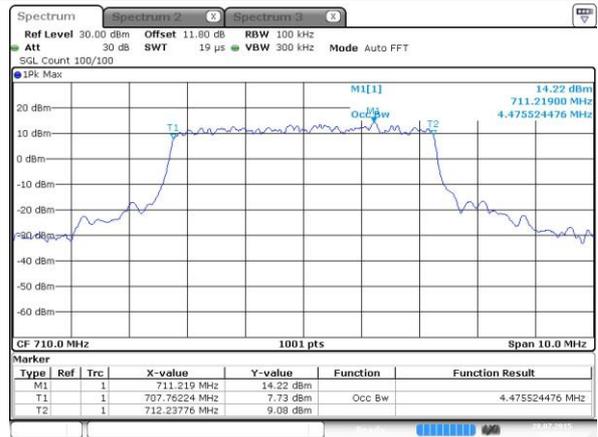
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Middle Channel / 5MHz / QPSK



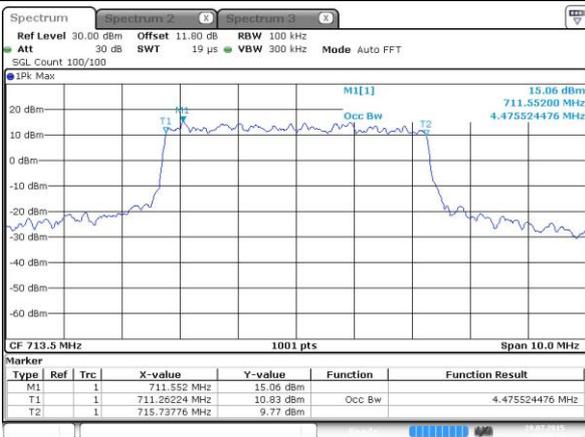
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Middle Channel / 5MHz / 16QAM



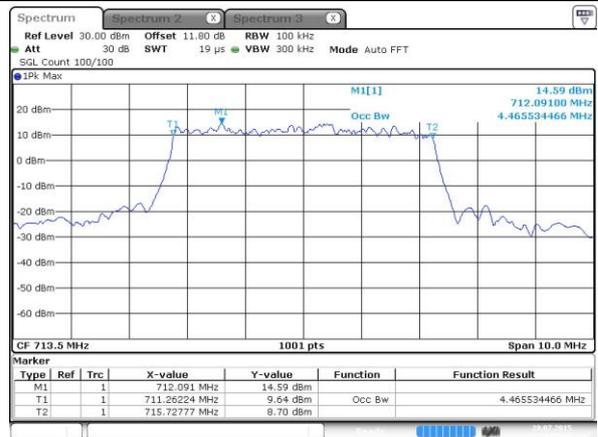
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Highest Channel / 5MHz / QPSK



Date: 28 JUL 2015 00:35:16

Highest Channel / 5MHz / 16QAM



Date: 28 JUL 2015 00:35:27



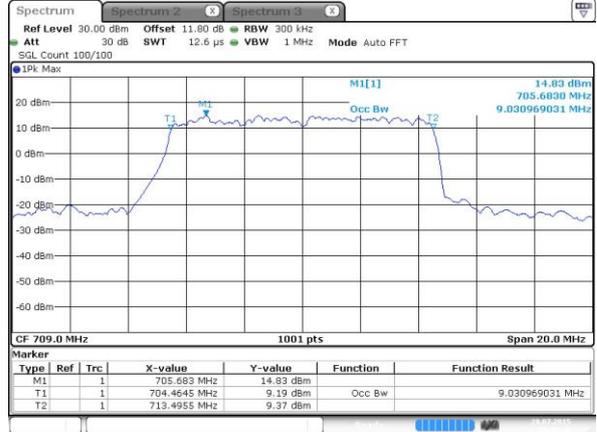
LTE Band 17

Lowest Channel / 10MHz / QPSK



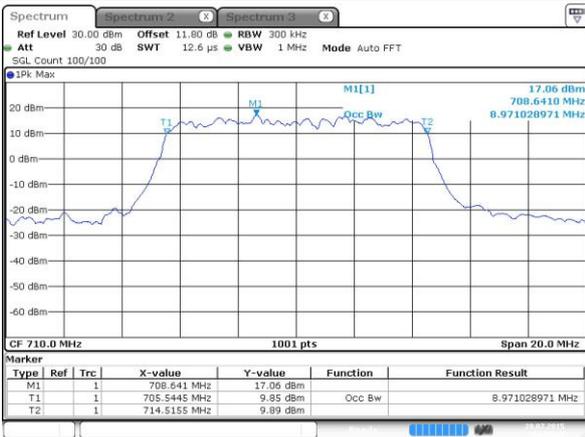
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Lowest Channel / 10MHz / 16QAM



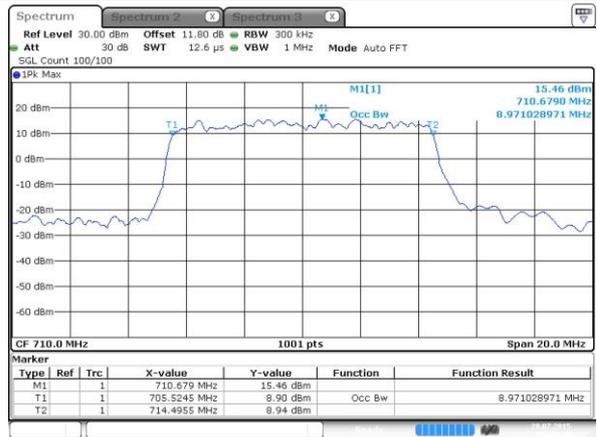
Date: 28 JUL 2015 00:45:40

Middle Channel / 10MHz / QPSK



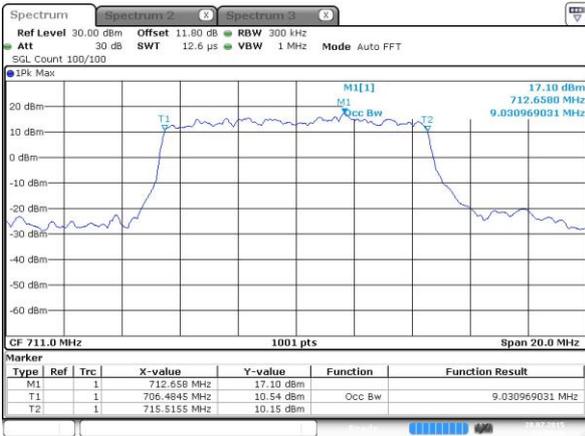
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Middle Channel / 10MHz / 16QAM



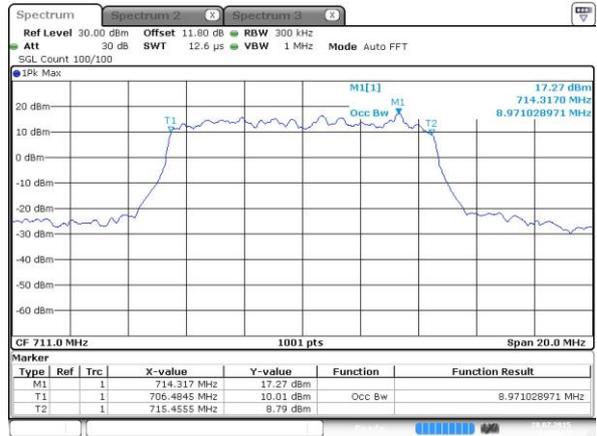
Date: 28 JUL 2015 00:55:48

Highest Channel / 10MHz / QPSK



Date: 28 JUL 2015 00:58:09

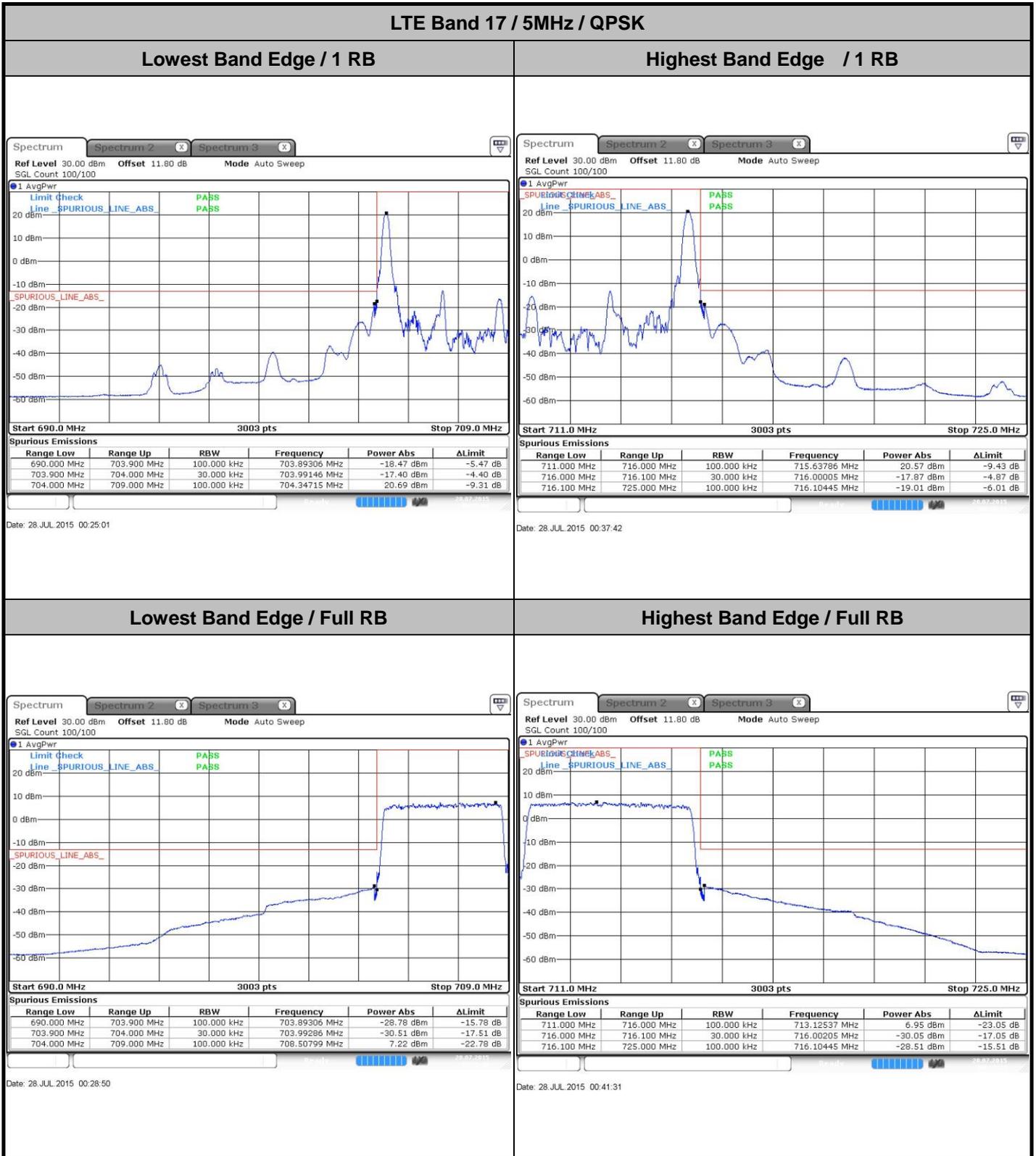
Highest Channel / 10MHz / 16QAM



Date: 28 JUL 2015 00:58:19



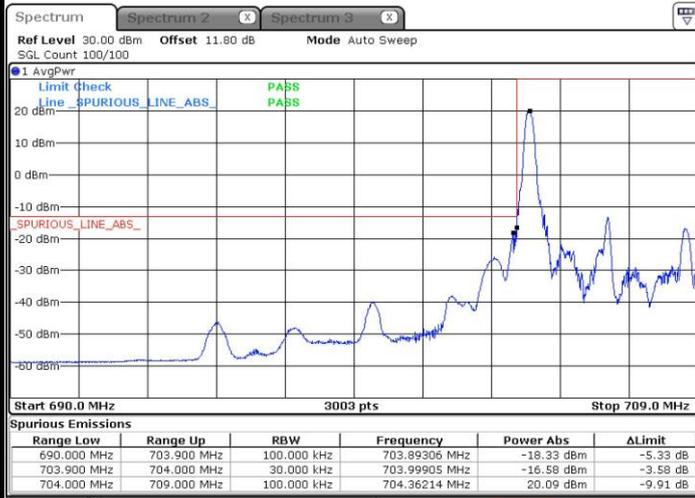
# Conducted Band Edge





LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 28 JUL 2015 00:26:56

Highest Band Edge / 1 RB



Date: 28 JUL 2015 00:39:36

Lowest Band Edge / Full RB



Date: 28 JUL 2015 00:30:45

Highest Band Edge / Full RB

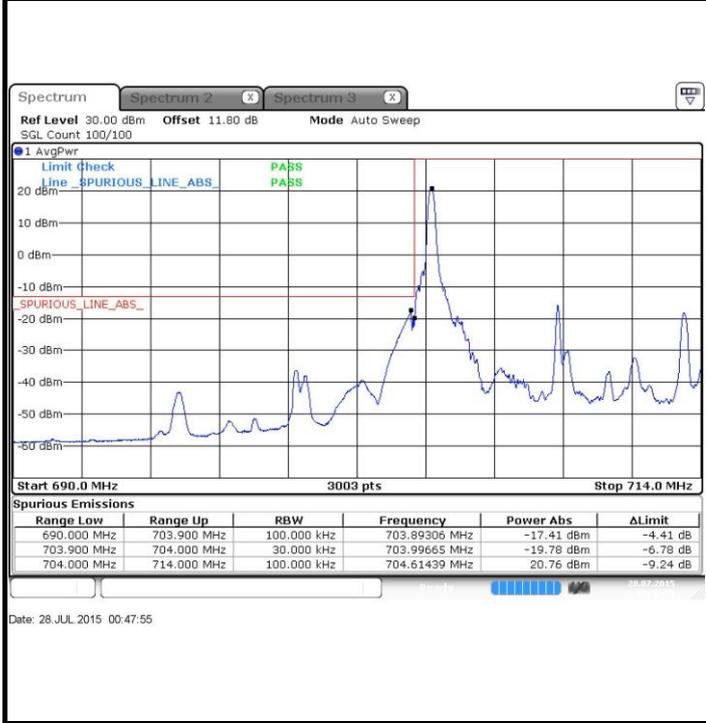


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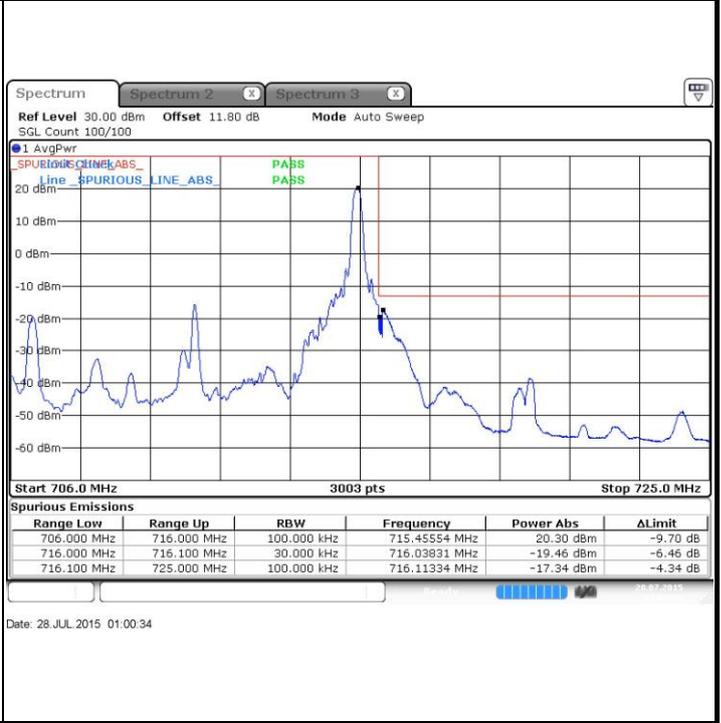


**LTE Band 17 / 10MHz / QPSK**

**Lowest Band Edge / 1 RB**



**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



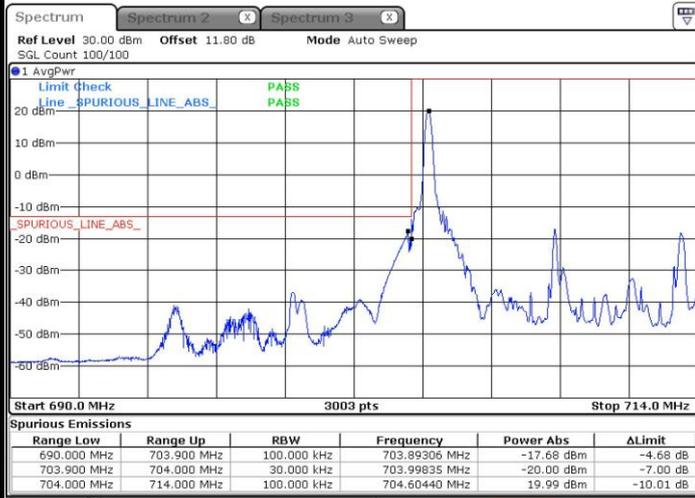
**Highest Band Edge / Full RB**





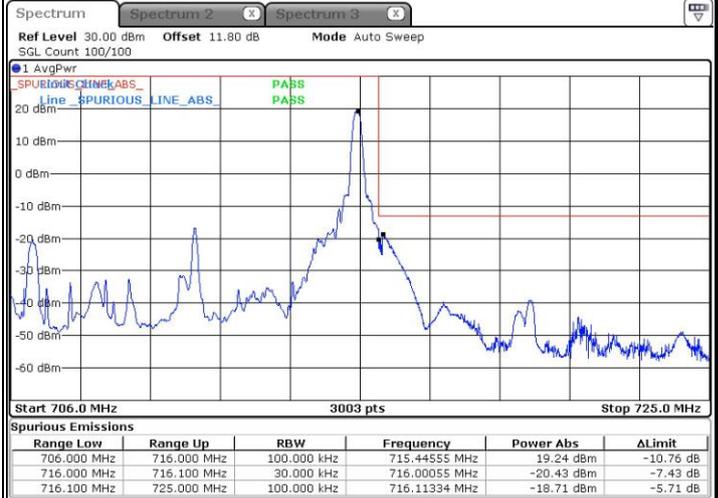
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 28.JUL.2015 00:49:49

Highest Band Edge / 1 RB



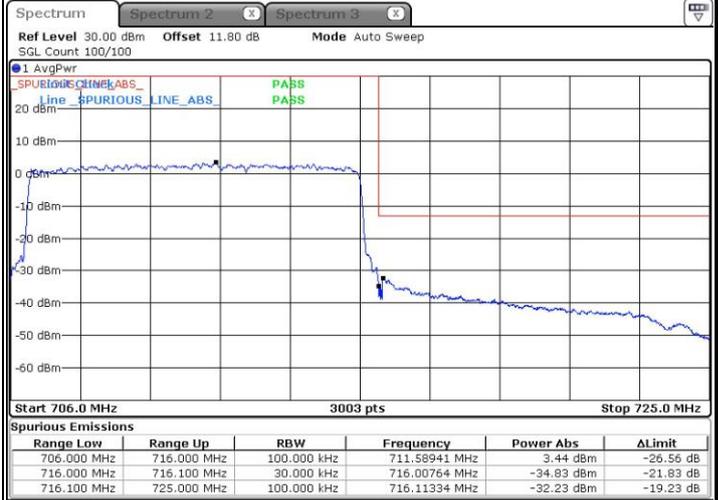
Date: 28.JUL.2015 01:02:28

Lowest Band Edge / Full RB



Date: 28.JUL.2015 00:53:38

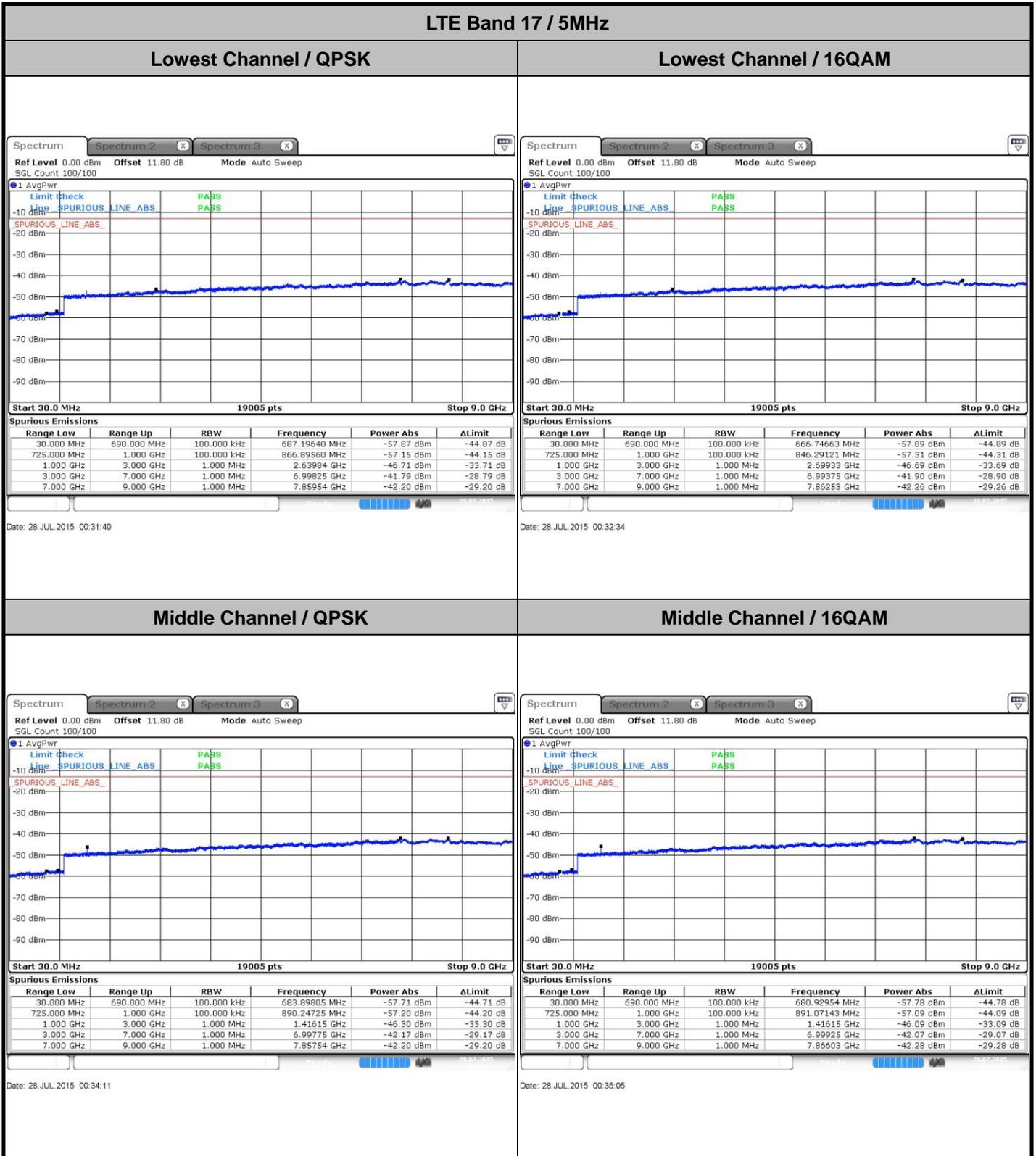
Highest Band Edge / Full RB



Date: 28.JUL.2015 01:06:17



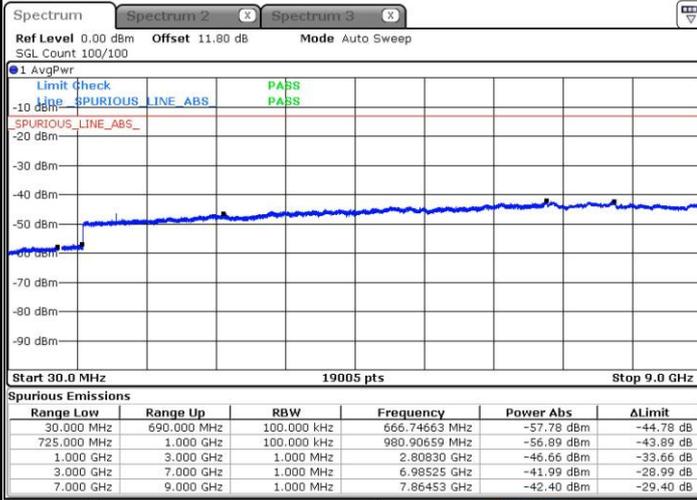
# Conducted Spurious Emission





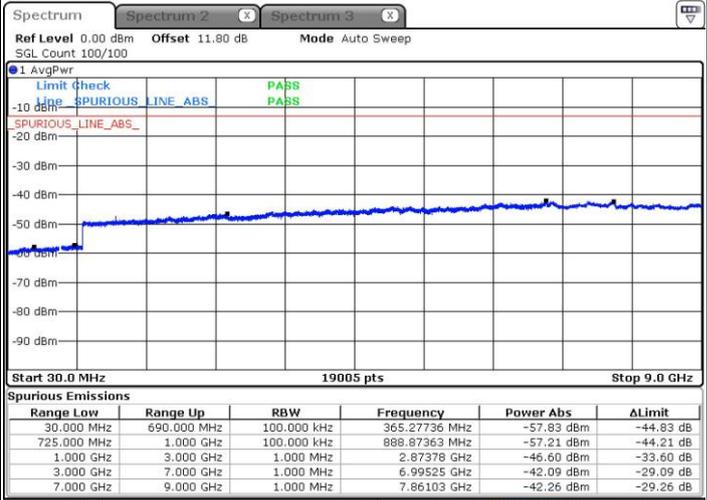
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 28 JUL 2015 00:44:20

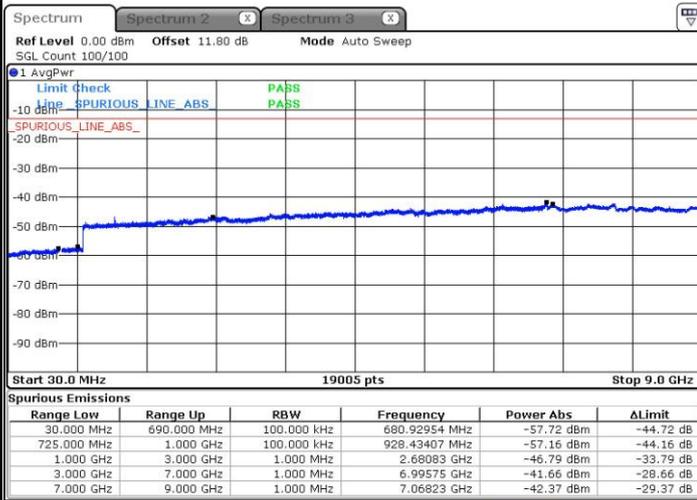
Highest Channel / 16QAM



Date: 28 JUL 2015 00:45:15

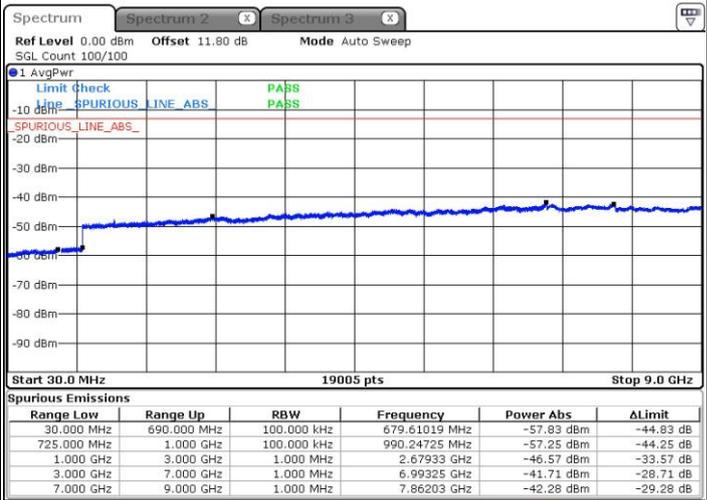
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 28 JUL 2015 00:54:33

Lowest Channel / 16QAM



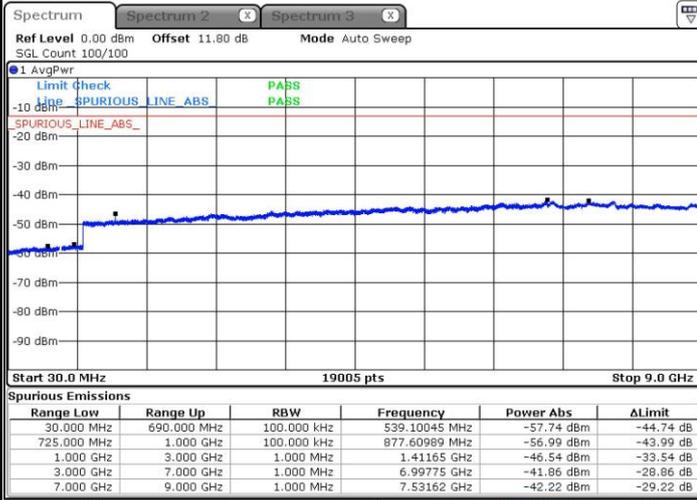
Date: 28 JUL 2015 00:55:27



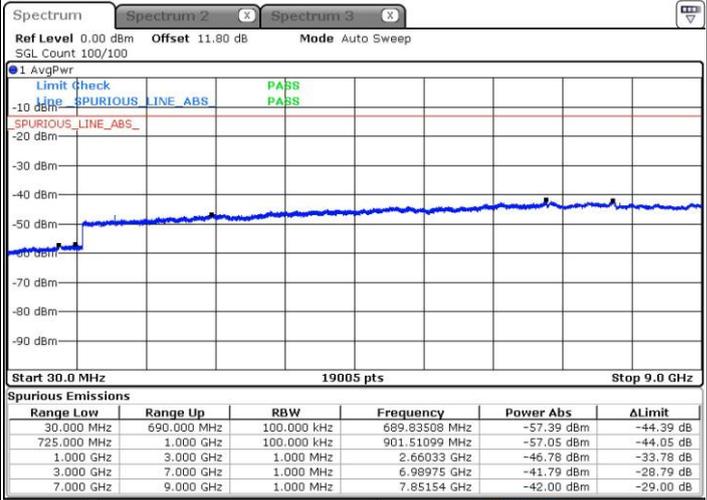
LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



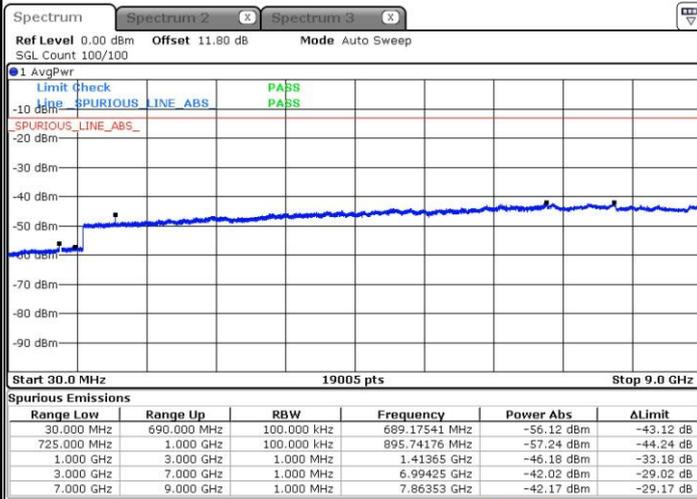
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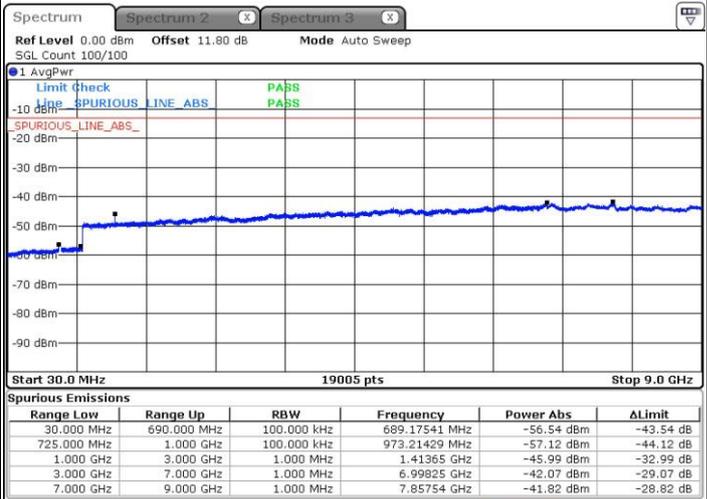
Date: 28 JUL 2015 00:57:58

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 JUL 2015 01:07:12



Date: 28 JUL 2015 01:08:07



### 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	0.0040	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

**Note:**

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.