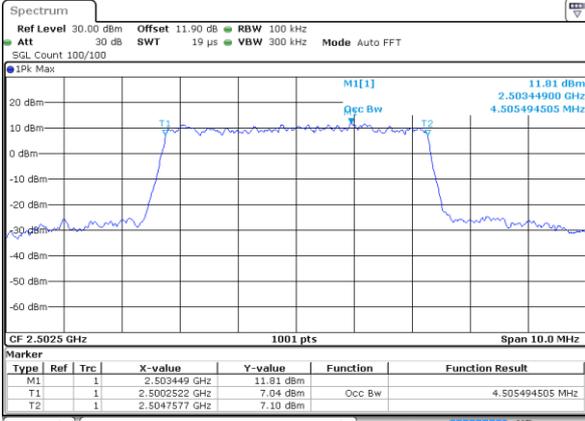




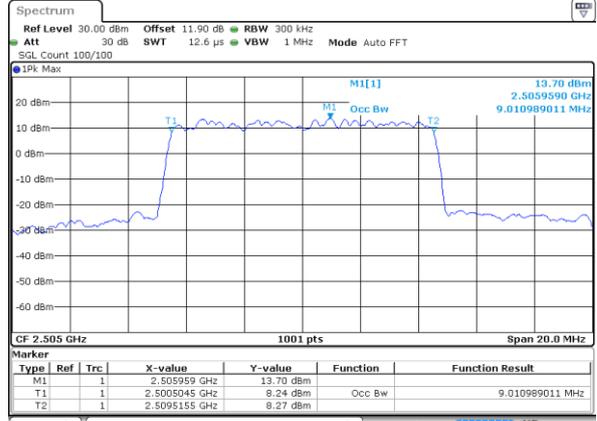
LTE Band 7

Lowest Channel / 5MHz / 64QAM



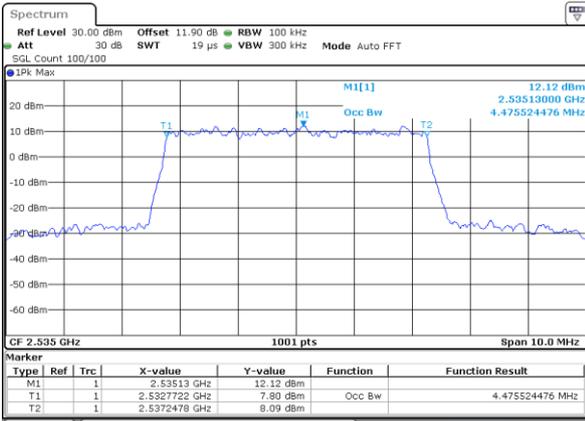
Date: 29 SEP 2017 14:09:53

Lowest Channel / 10MHz / 64QAM



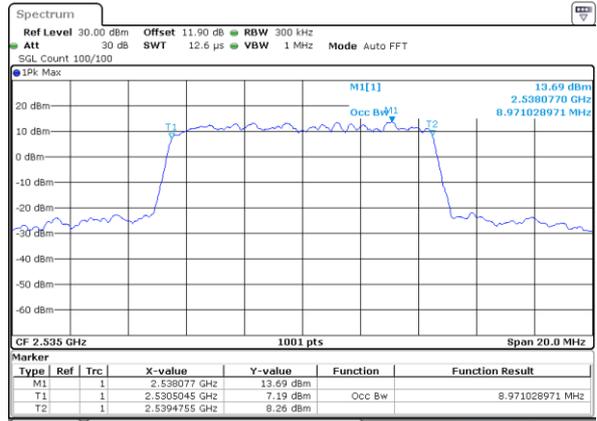
Date: 29 SEP 2017 14:10:57

Middle Channel / 5MHz / 64QAM



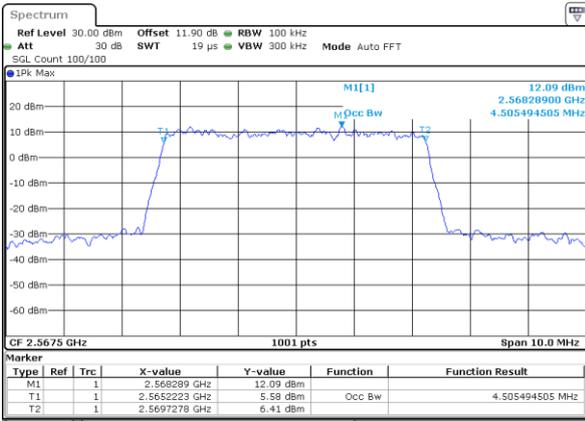
Date: 29 SEP 2017 14:10:14

Middle Channel / 10MHz / 64QAM



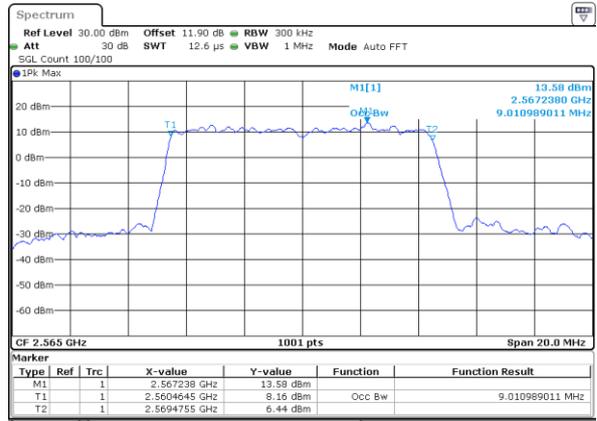
Date: 29 SEP 2017 14:11:18

Highest Channel / 5MHz / 64QAM



Date: 29 SEP 2017 14:10:35

Highest Channel / 10MHz / 64QAM

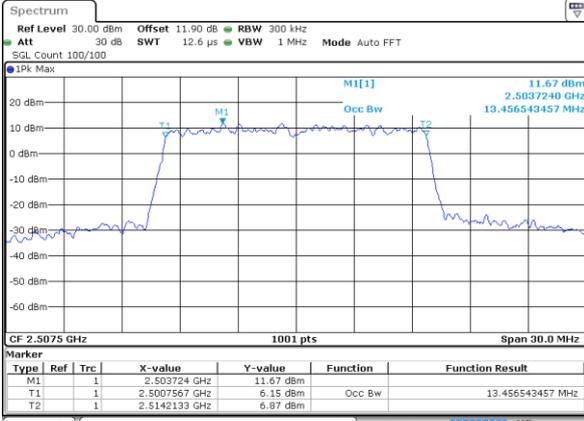


Date: 29 SEP 2017 14:11:40



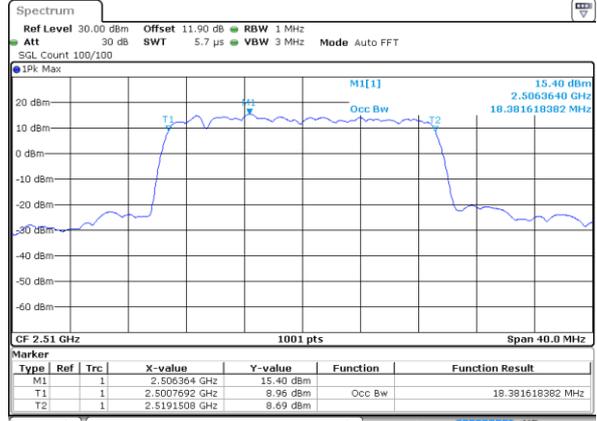
LTE Band 7

Lowest Channel / 15MHz / 64QAM



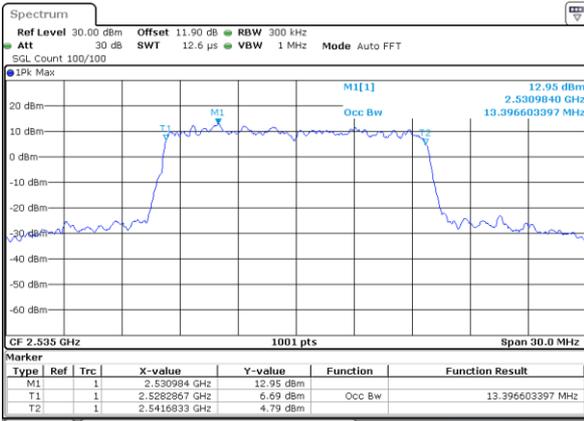
Date: 29 SEP 2017 14:12:01

Lowest Channel / 20MHz / 64QAM



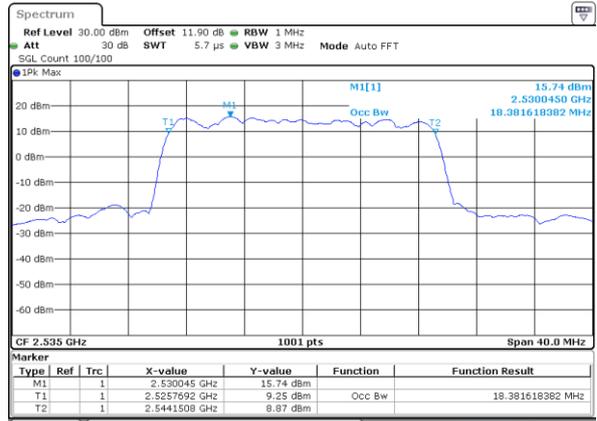
Date: 29 SEP 2017 14:13:05

Middle Channel / 15MHz / 64QAM



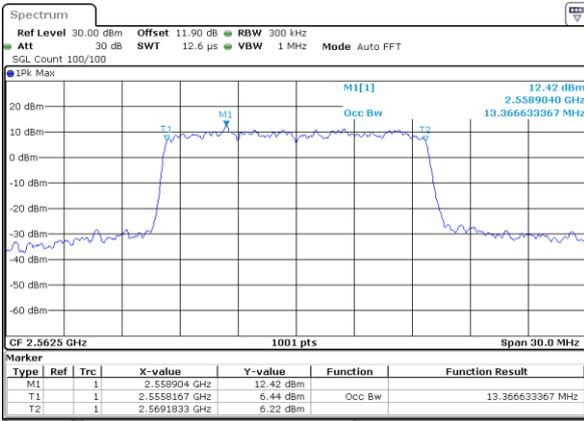
Date: 29 SEP 2017 14:12:22

Middle Channel / 20MHz / 64QAM



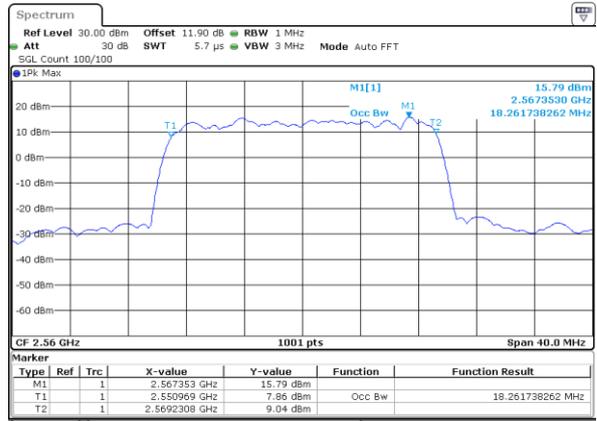
Date: 29 SEP 2017 14:13:27

Highest Channel / 15MHz / 64QAM



Date: 29 SEP 2017 14:12:44

Highest Channel / 20MHz / 64QAM



Date: 29 SEP 2017 14:13:49

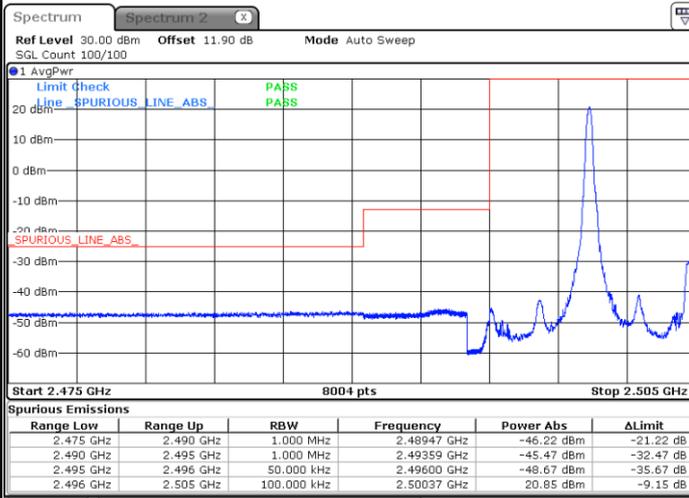


Conducted Band Edge



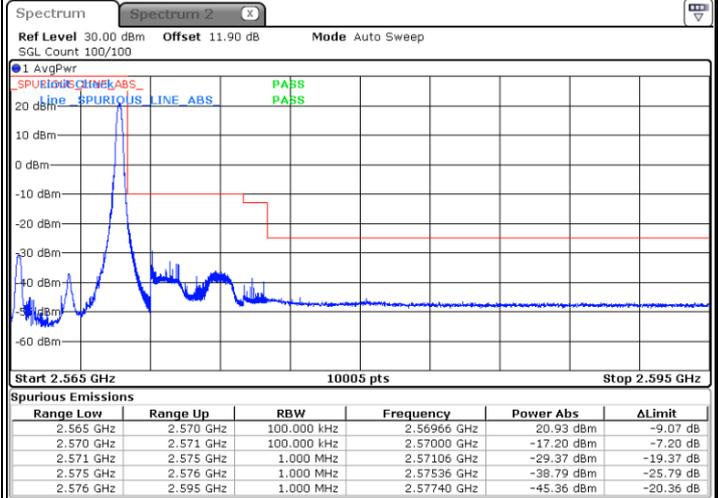
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



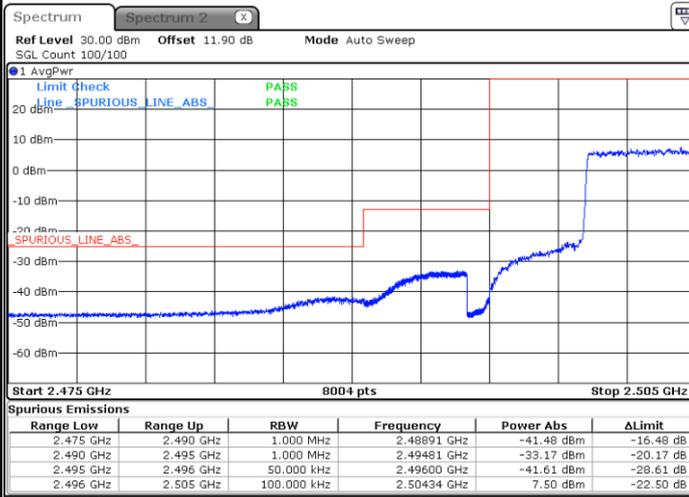
Date: 14.SEP.2017 13:43:20

Highest Band Edge / 1 RB



Date: 14.SEP.2017 13:52:51

Lowest Band Edge / Full RB



Date: 14.SEP.2017 13:45:39

Highest Band Edge / Full RB

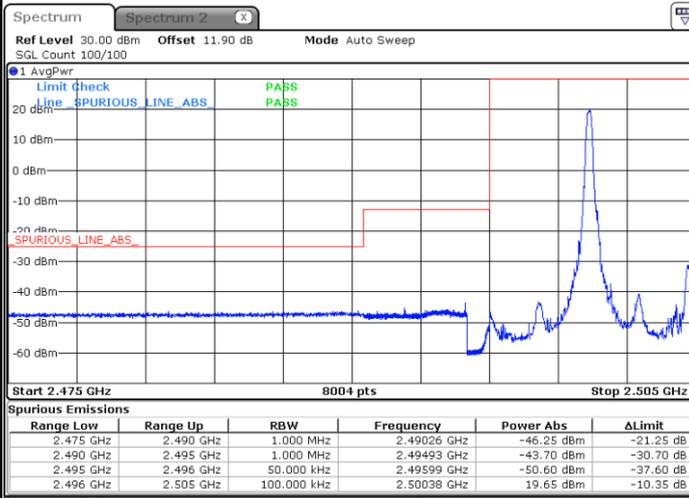


Date: 14.SEP.2017 13:55:09



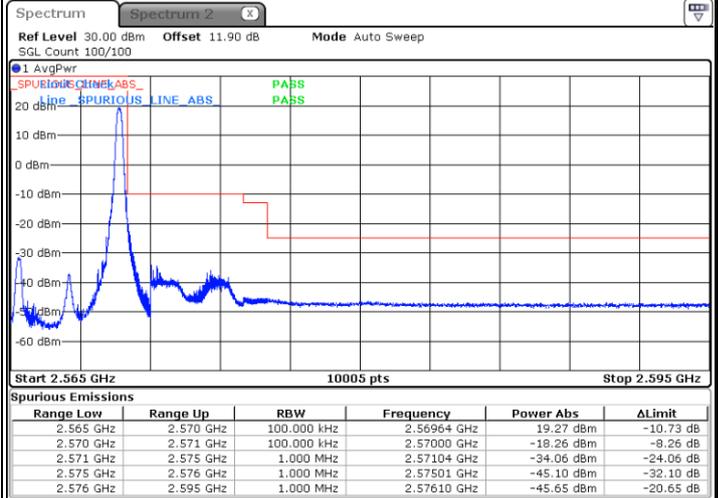
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



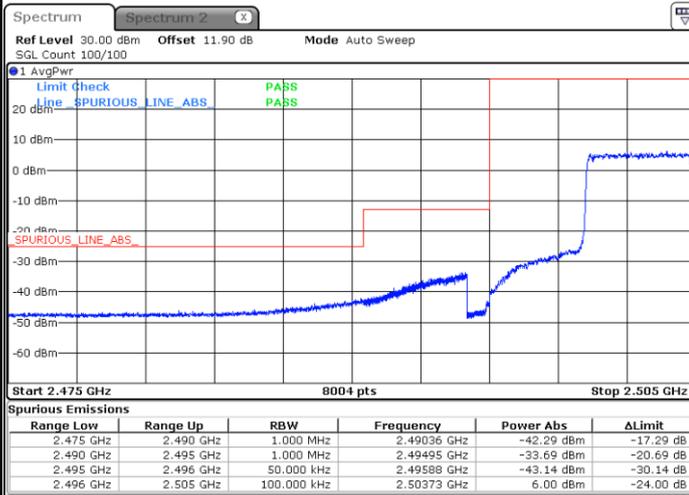
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Highest Band Edge / 1 RB



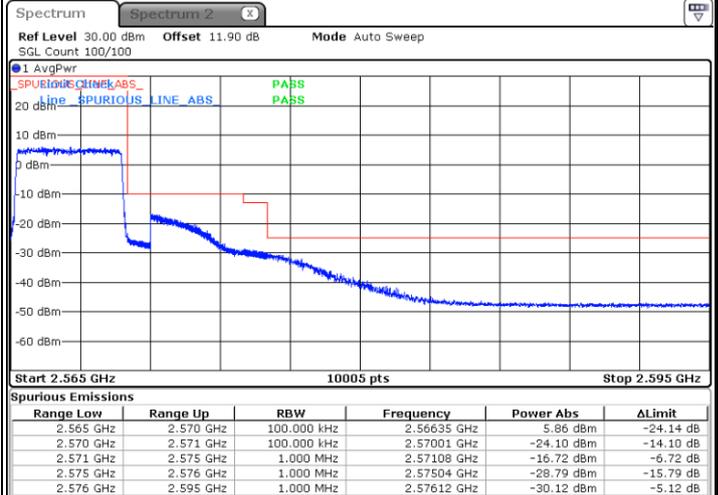
Date: 14.SEP.2017 13:54:00

Lowest Band Edge / Full RB



Date: 14.SEP.2017 13:46:48

Highest Band Edge / Full RB

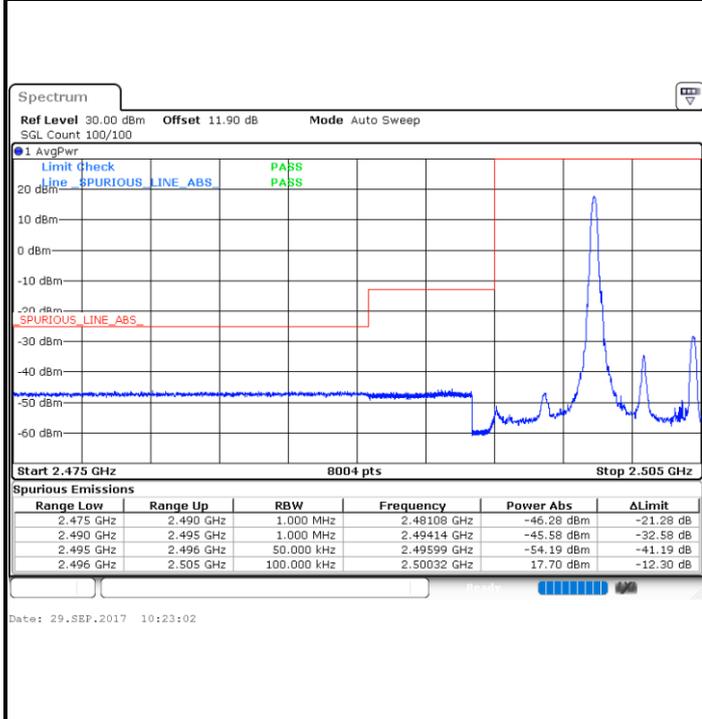


Date: 14.SEP.2017 13:56:19

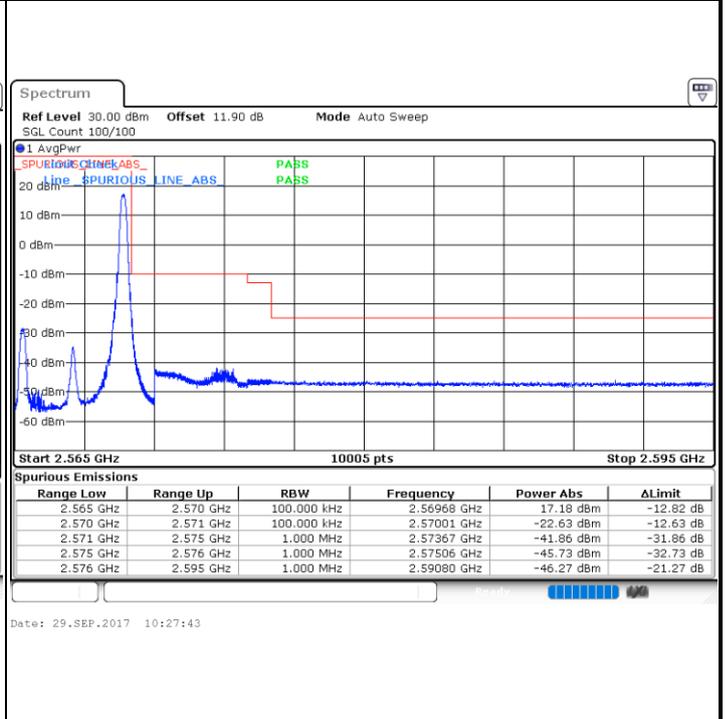


LTE Band 7 / 5MHz / 64QAM

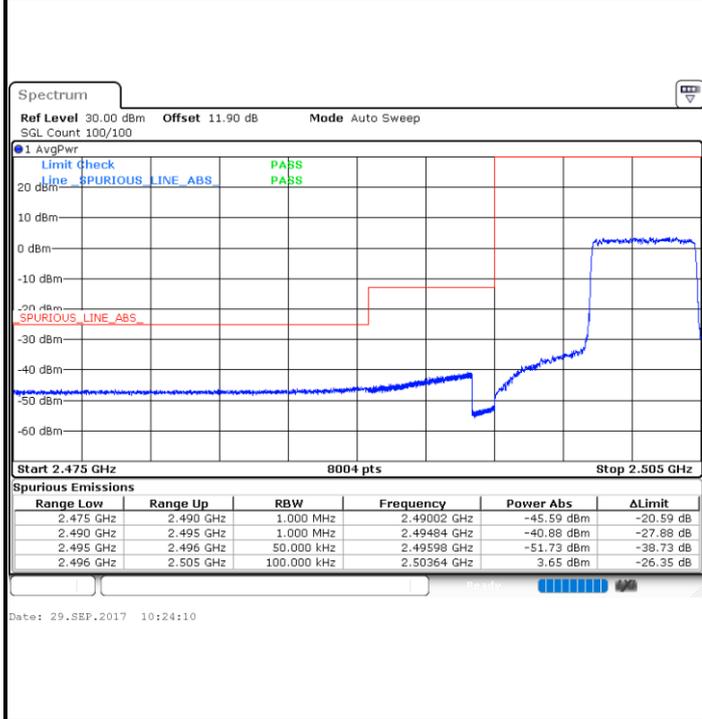
Lowest Band Edge / 1RB



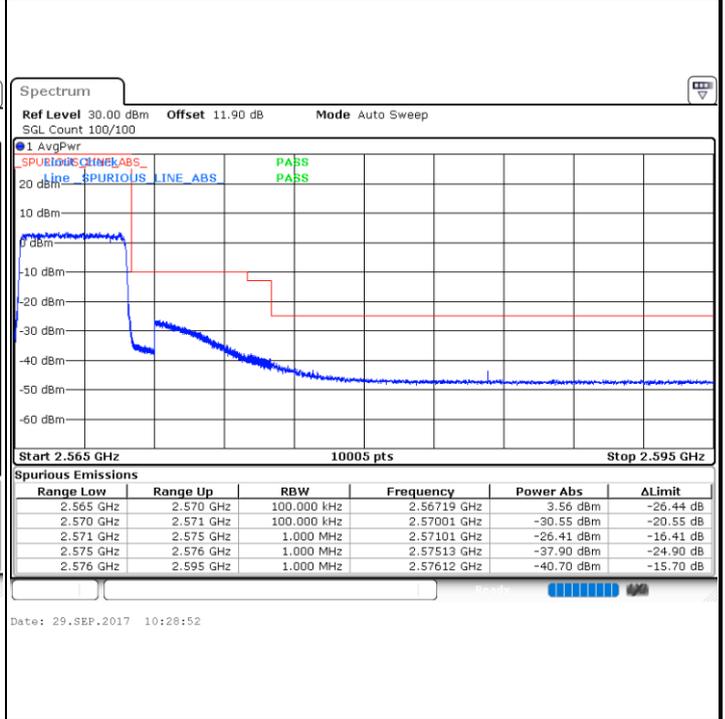
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



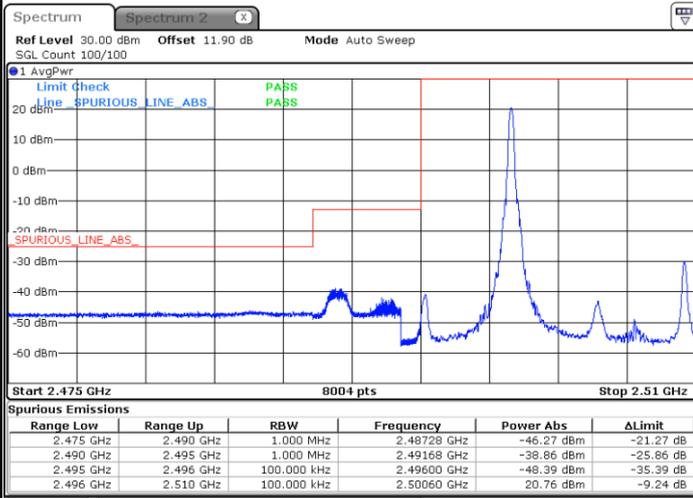
Highest Band Edge / Full RB





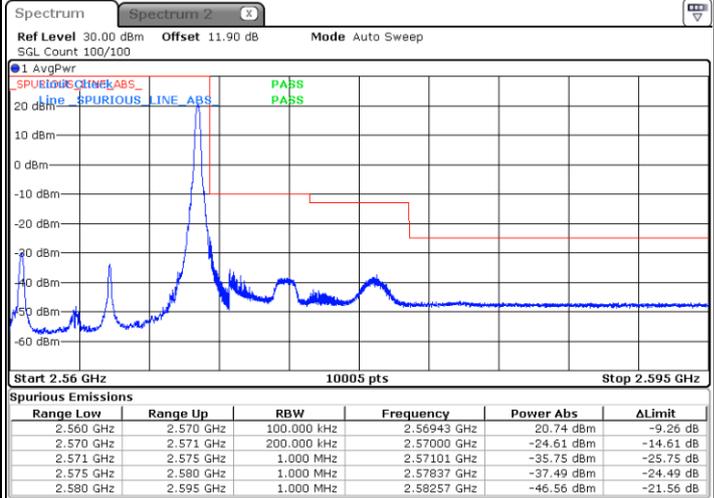
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



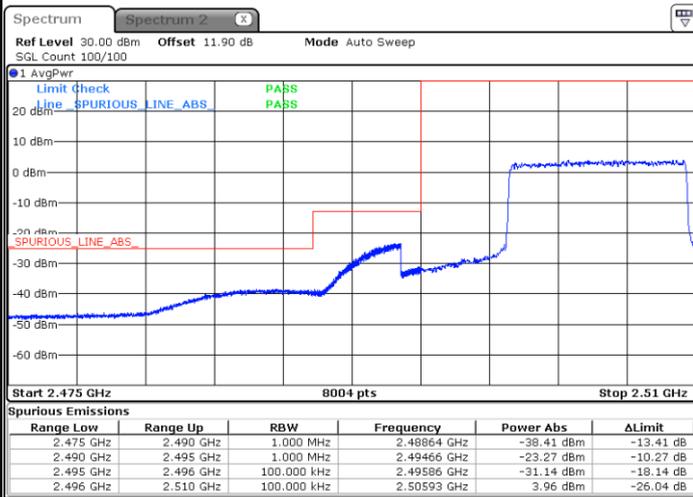
Date: 14.SEP.2017 13:59:54

Highest Band Edge / 1 RB



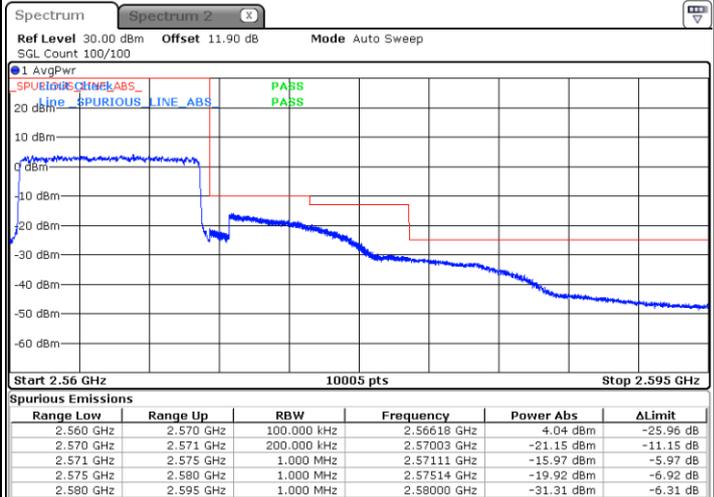
Date: 14.SEP.2017 14:09:25

Lowest Band Edge / Full RB



Date: 14.SEP.2017 14:02:13

Highest Band Edge / Full RB

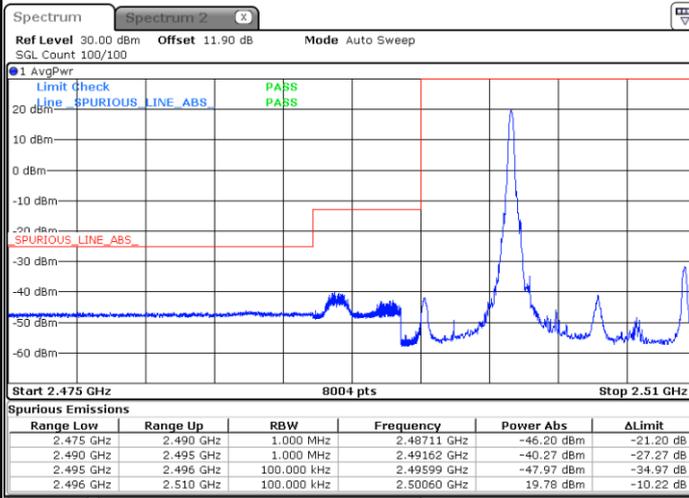


Date: 14.SEP.2017 14:11:43



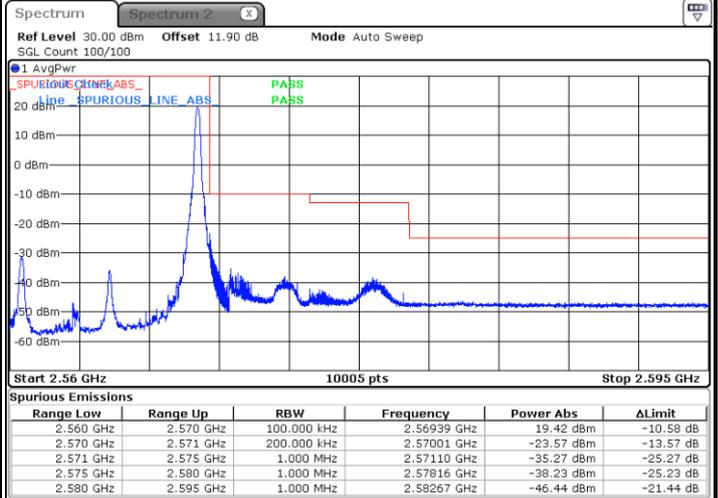
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



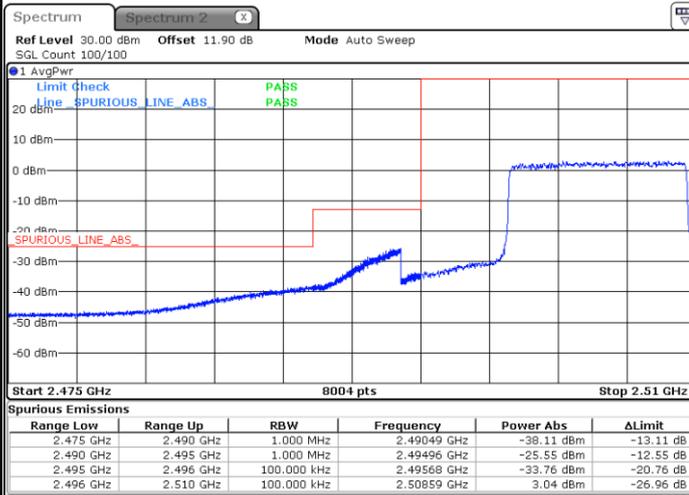
Date: 14.SEP.2017 14:01:04

Highest Band Edge / 1 RB



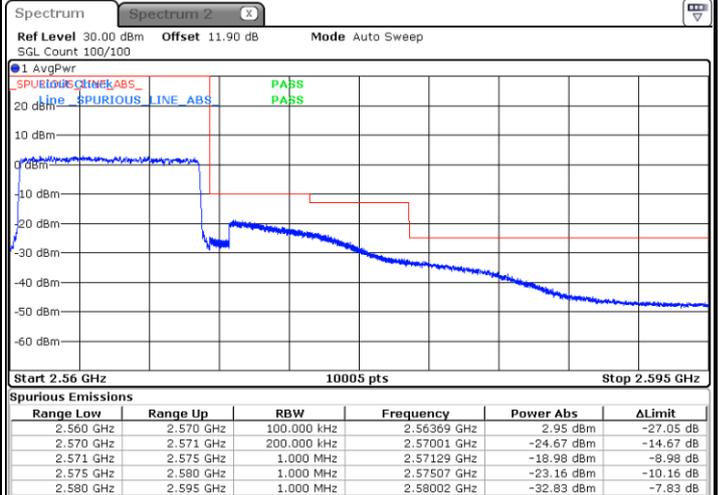
Date: 14.SEP.2017 14:10:34

Lowest Band Edge / Full RB



Date: 14.SEP.2017 14:03:22

Highest Band Edge / Full RB

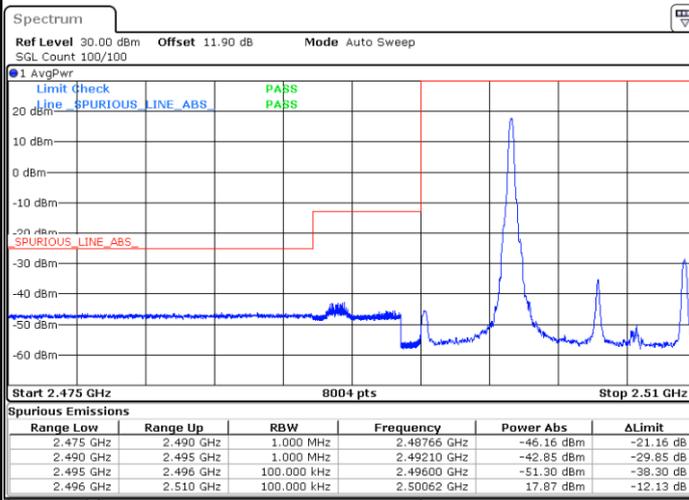


Date: 14.SEP.2017 14:12:53



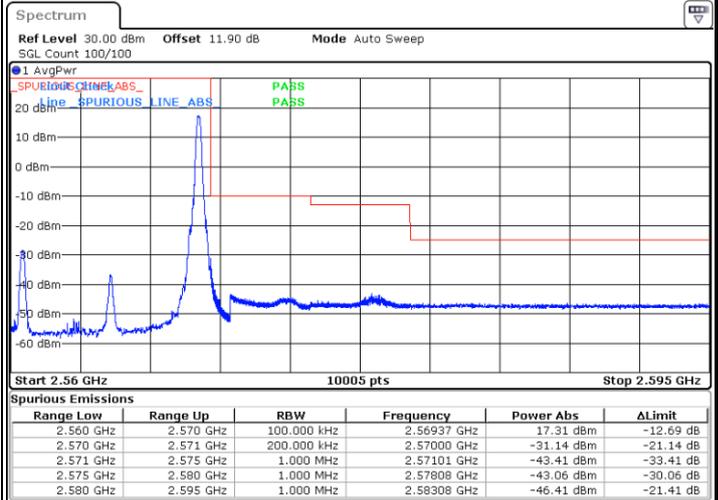
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



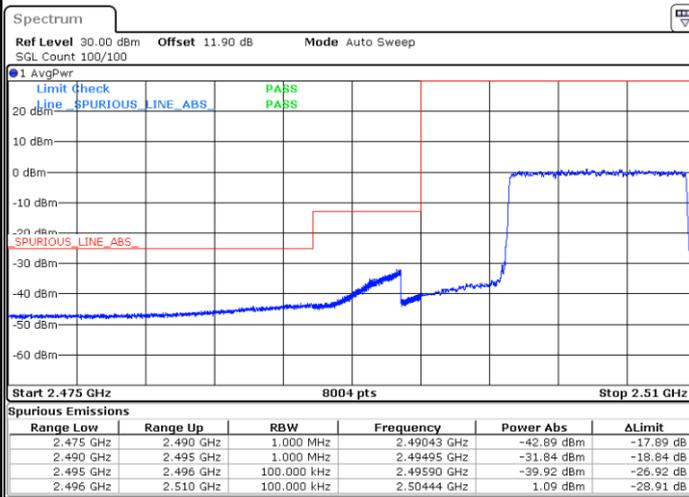
Date: 29_SEP.2017 10:31:12

Highest Band Edge / 1 RB



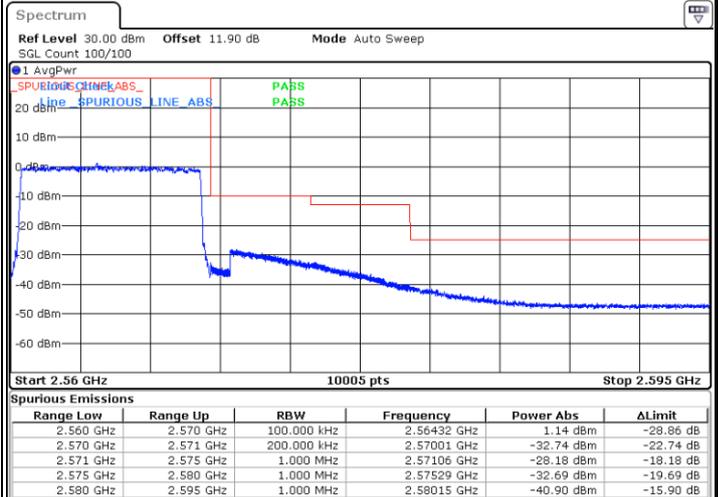
Date: 29_SEP.2017 10:35:54

Lowest Band Edge / Full RB



Date: 29_SEP.2017 10:32:21

Highest Band Edge / Full RB

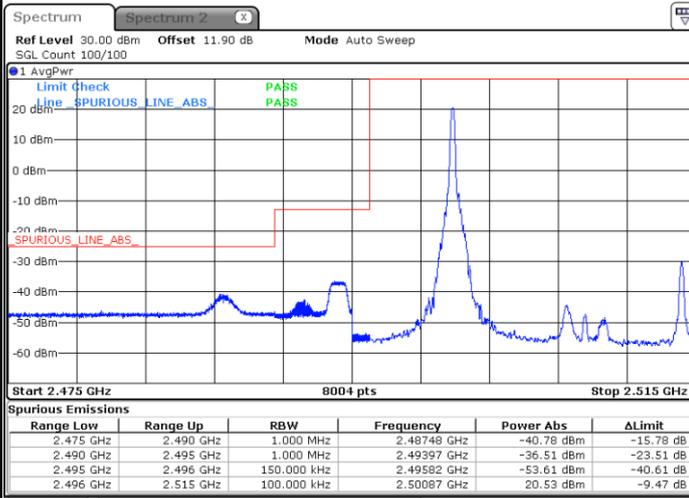


Date: 29_SEP.2017 10:37:02



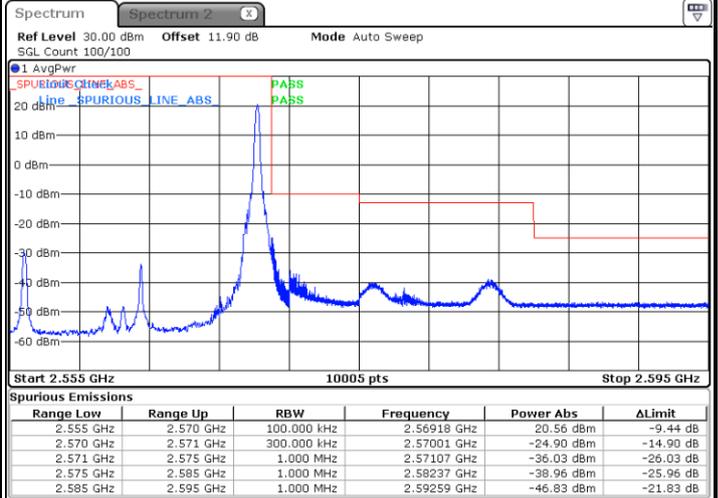
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



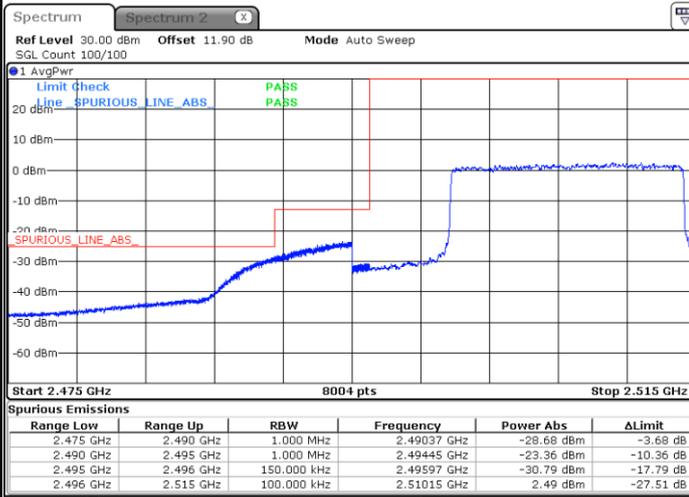
Date: 14.SEP.2017 14:16:29

Highest Band Edge / 1 RB



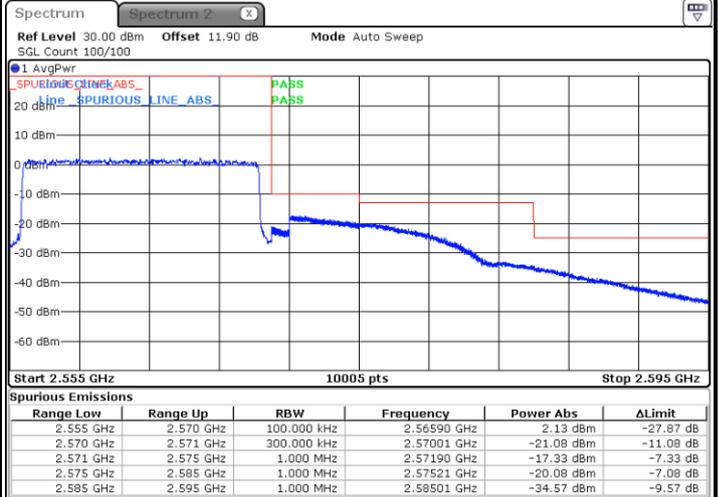
Date: 14.SEP.2017 14:25:59

Lowest Band Edge / Full RB



Date: 14.SEP.2017 14:18:47

Highest Band Edge / Full RB

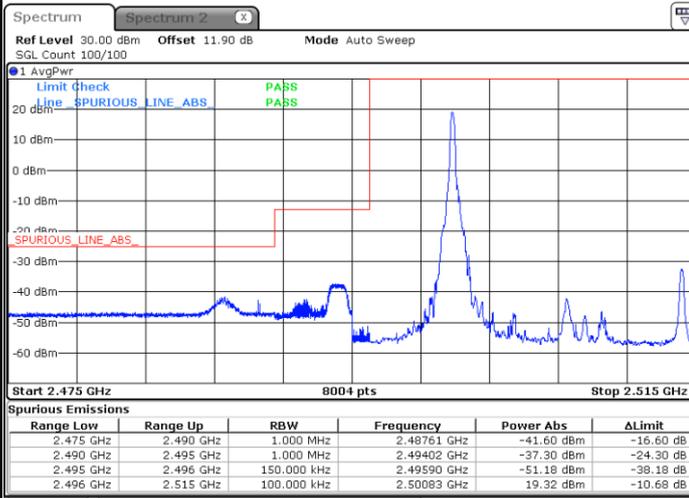


Date: 14.SEP.2017 14:28:18



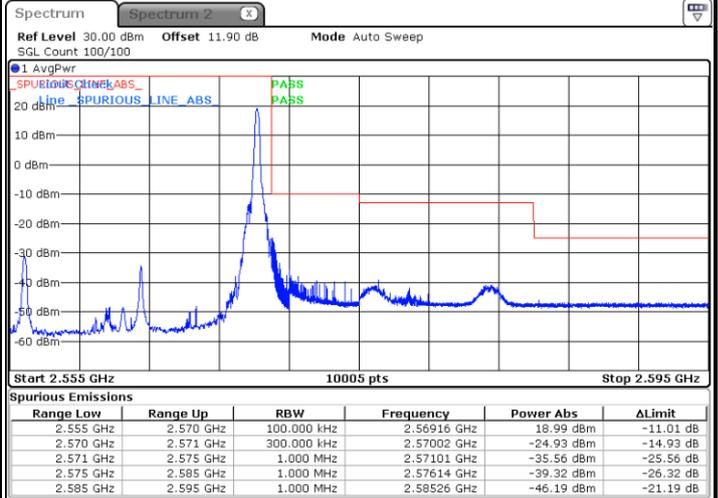
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



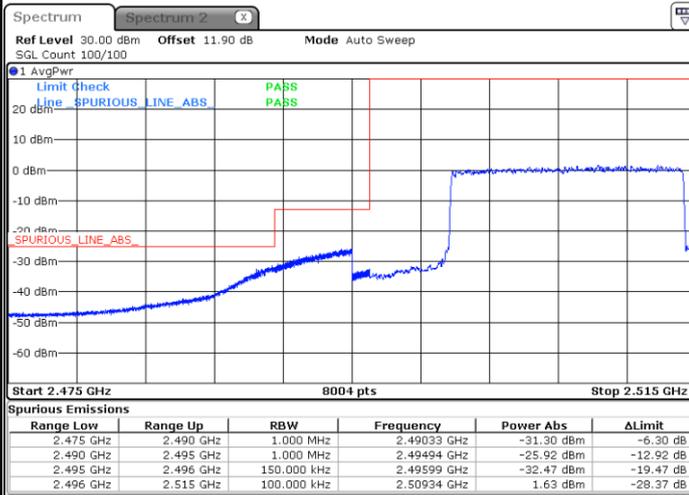
Date: 14.SEP.2017 14:17:38

Highest Band Edge / 1 RB



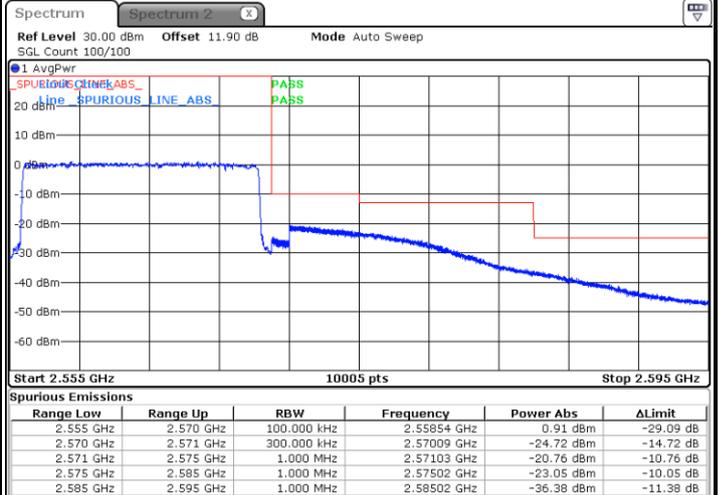
Date: 14.SEP.2017 14:27:08

Lowest Band Edge / Full RB



Date: 14.SEP.2017 14:19:57

Highest Band Edge / Full RB

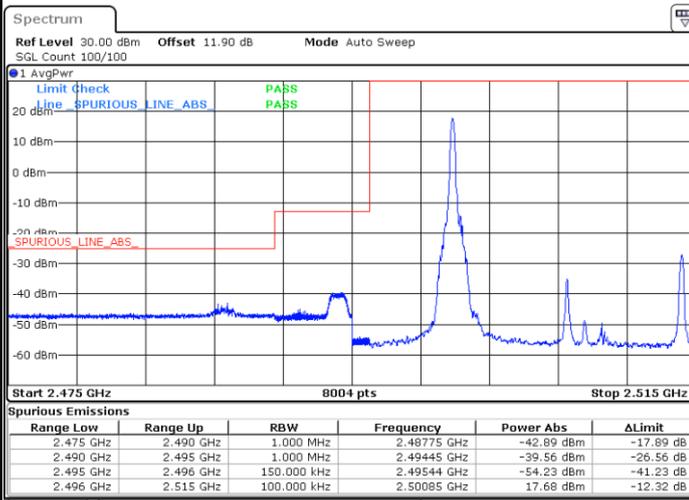


Date: 14.SEP.2017 14:29:27



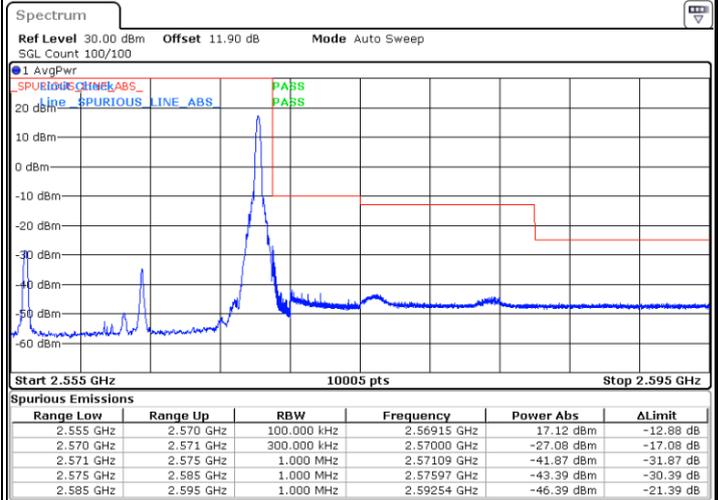
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



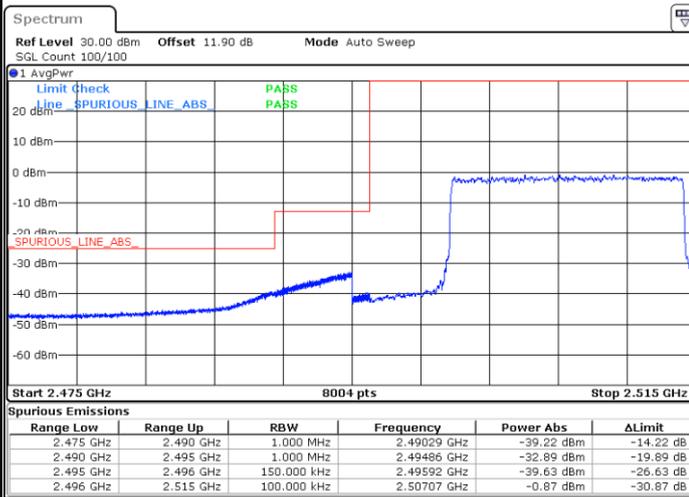
Date: 29_SEP.2017 10:39:23

Highest Band Edge / 1 RB



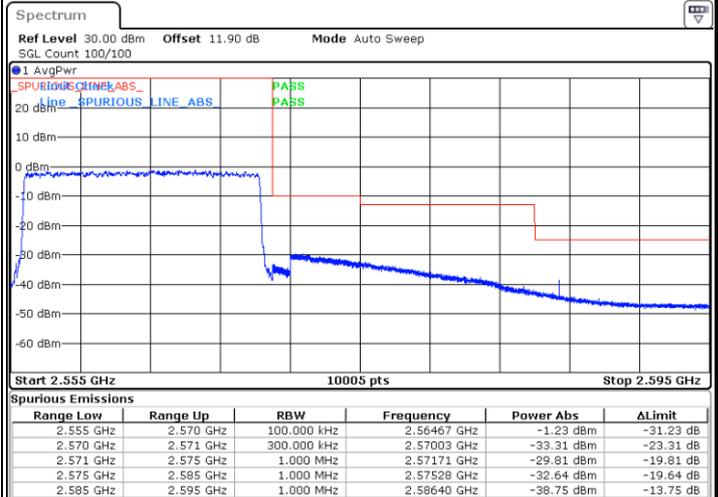
Date: 29_SEP.2017 10:44:05

Lowest Band Edge / Full RB



Date: 29_SEP.2017 10:40:31

Highest Band Edge / Full RB



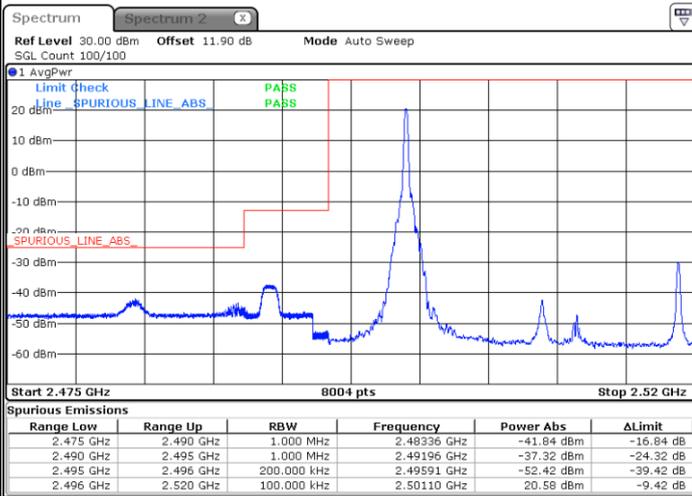
Date: 29_SEP.2017 10:45:13



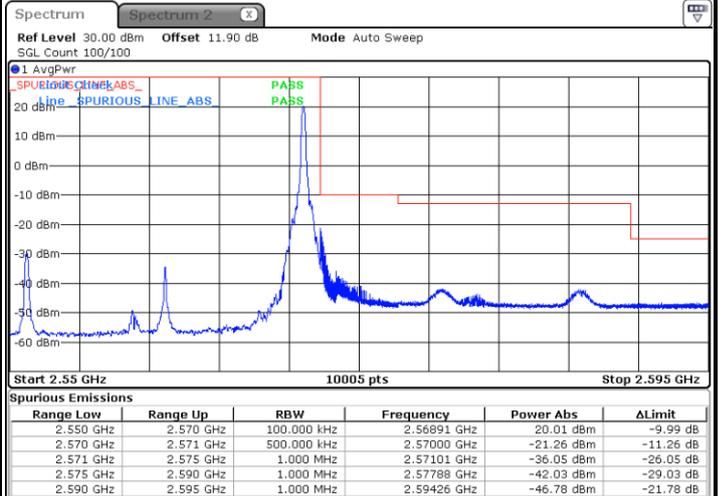
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



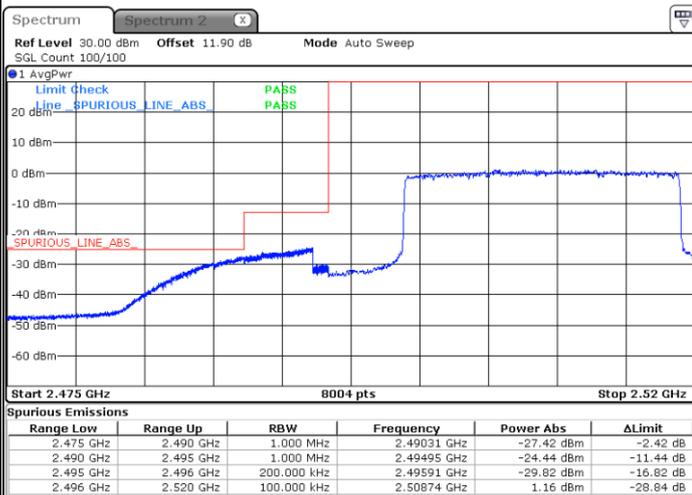
Date: 14.SEP.2017 14:33:03



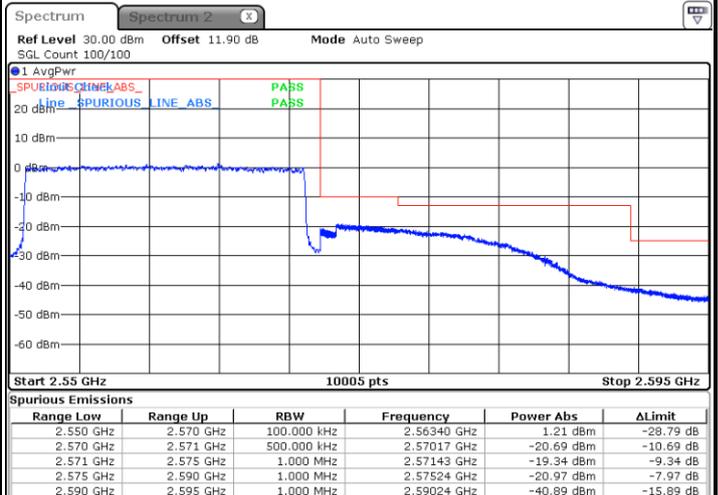
Date: 14.SEP.2017 14:42:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2017 14:35:21

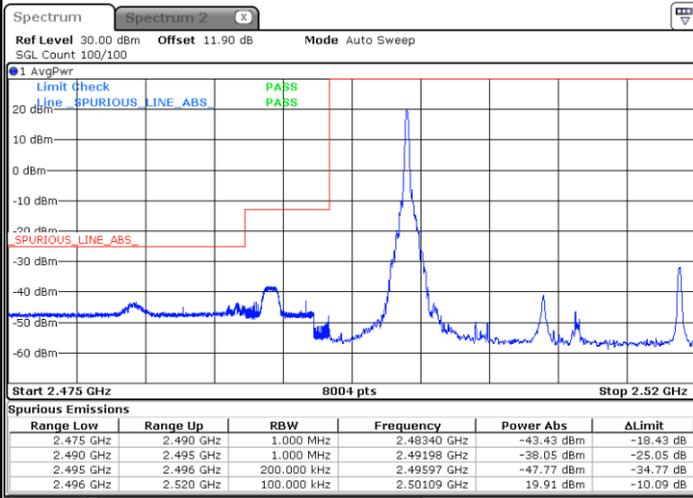


Date: 14.SEP.2017 14:46:01



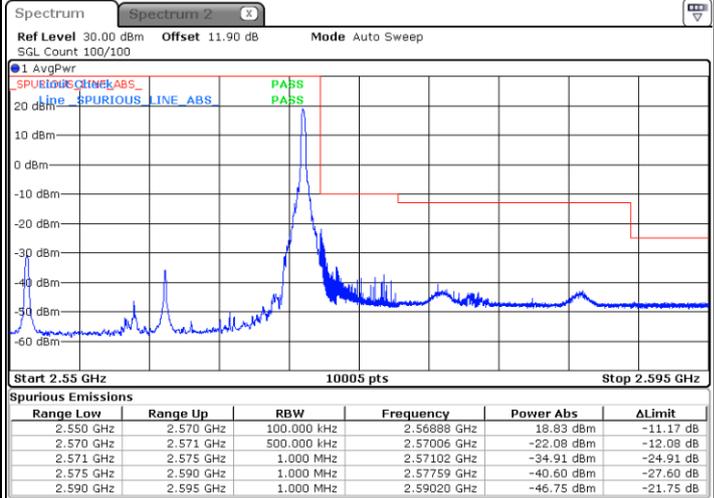
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



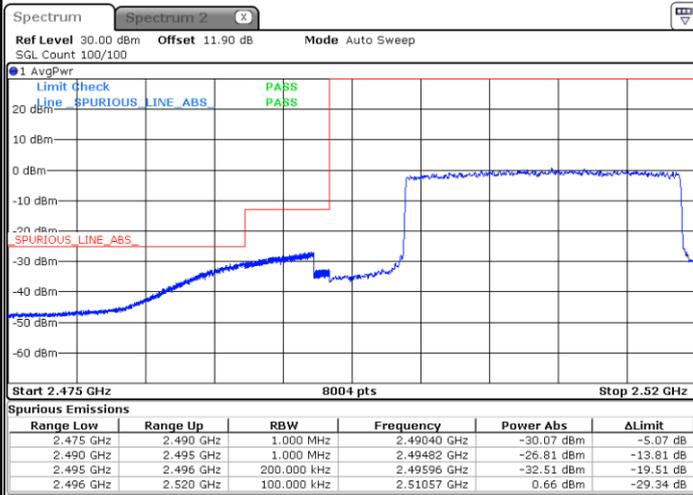
Date: 14.SEP.2017 14:34:12

Highest Band Edge / 1RB



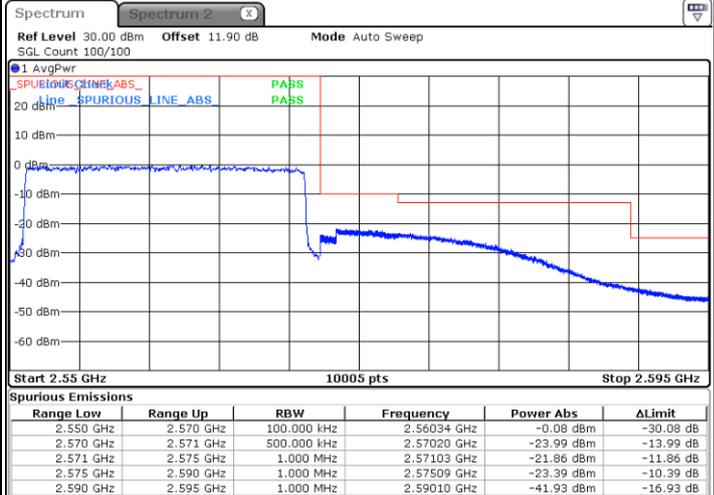
Date: 14.SEP.2017 14:43:42

Lowest Band Edge / Full RB



Date: 14.SEP.2017 14:36:30

Highest Band Edge / Full RB

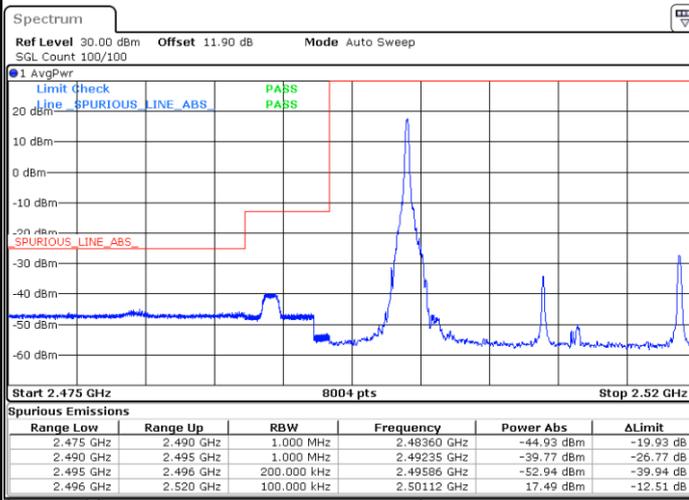


Date: 14.SEP.2017 14:44:51



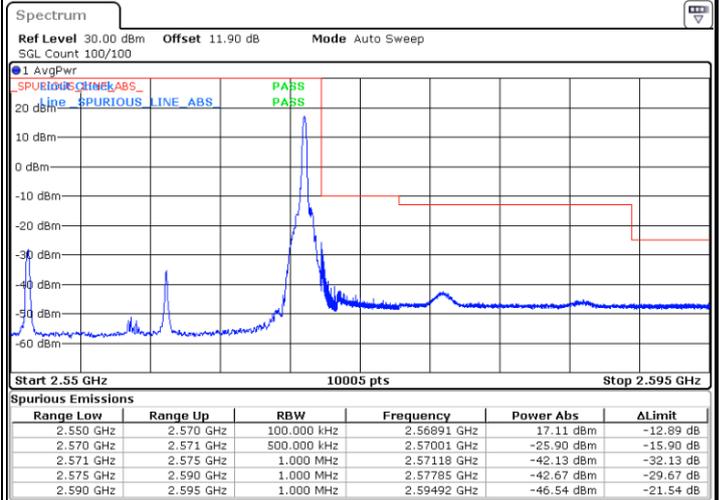
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



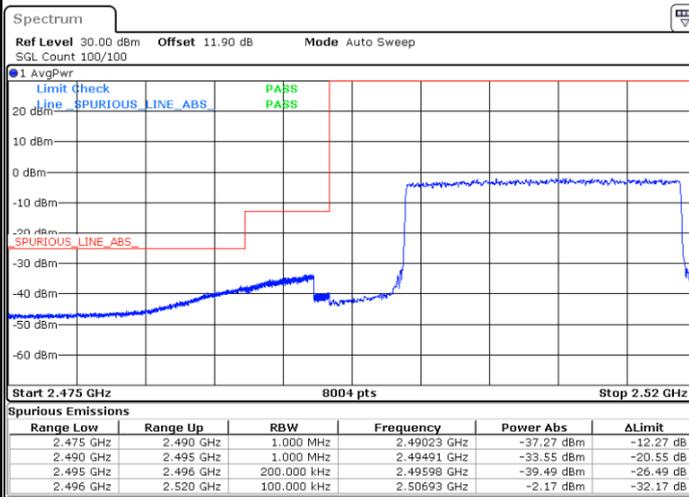
Date: 29_SEP.2017 10:47:34

Highest Band Edge / 1 RB



Date: 29_SEP.2017 10:52:15

Lowest Band Edge / Full RB



Date: 29_SEP.2017 10:48:42

Highest Band Edge / Full RB



Date: 28 SEP.2017 20:26:08



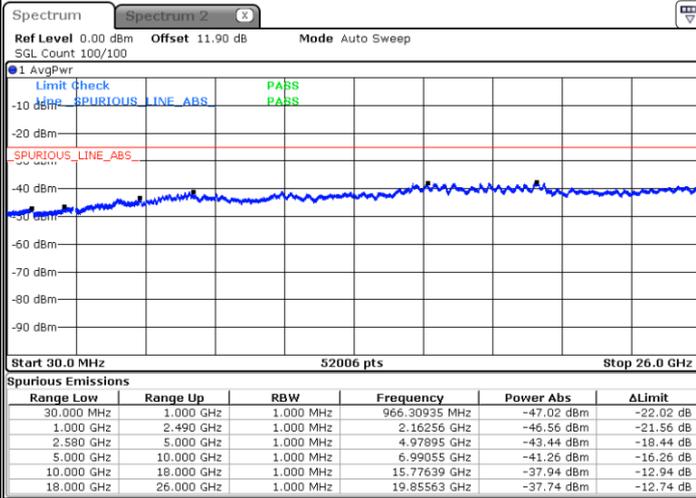
Conducted Spurious Emission



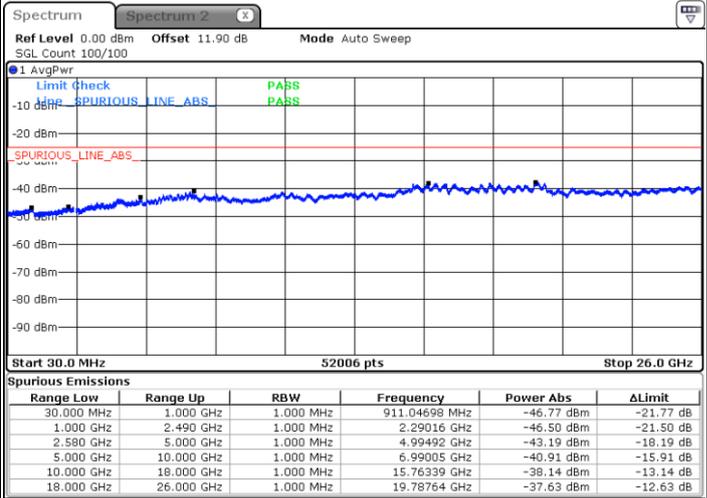
LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



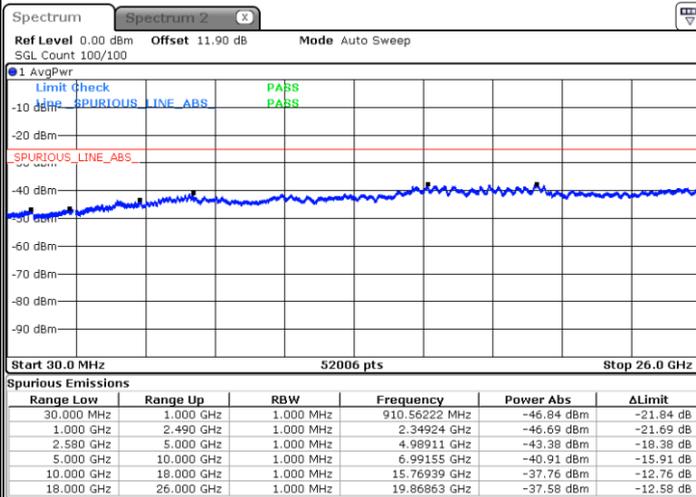
Date: 14.SEP.2017 13:47:42



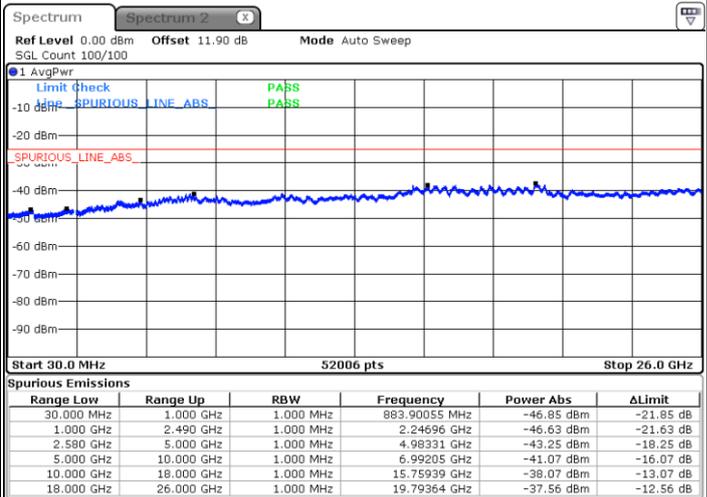
Date: 14.SEP.2017 13:48:35

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.SEP.2017 13:50:08

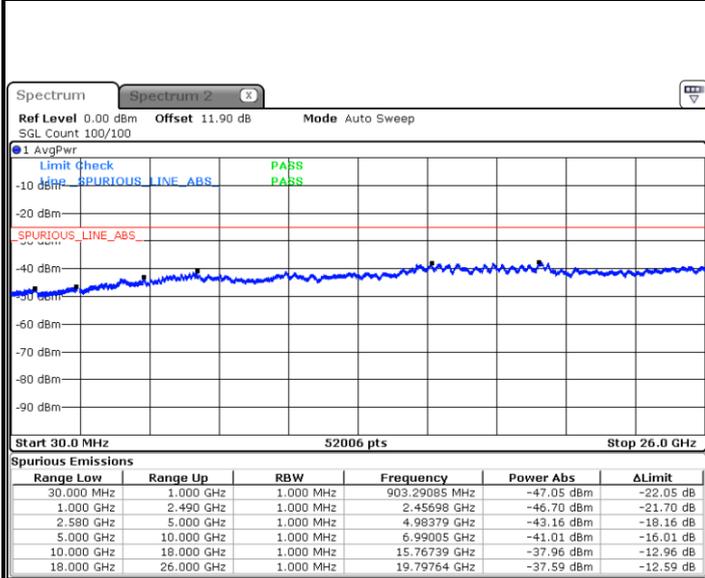


Date: 14.SEP.2017 13:51:01



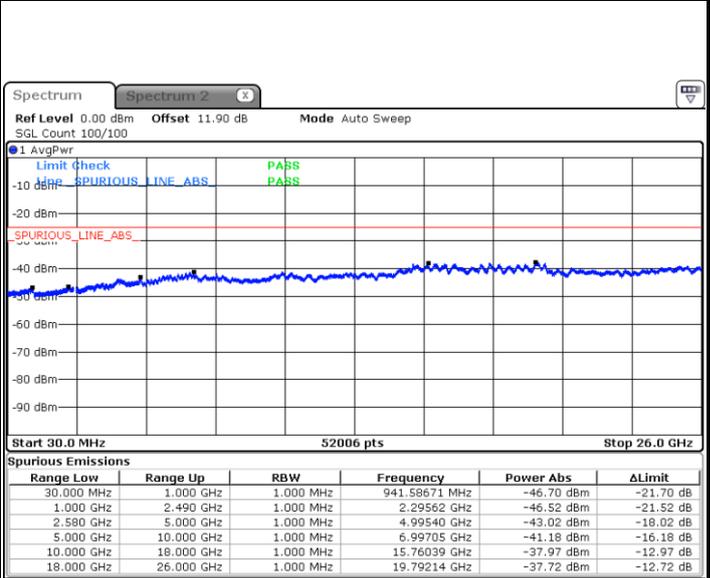
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 14.SEP.2017 13:57:12

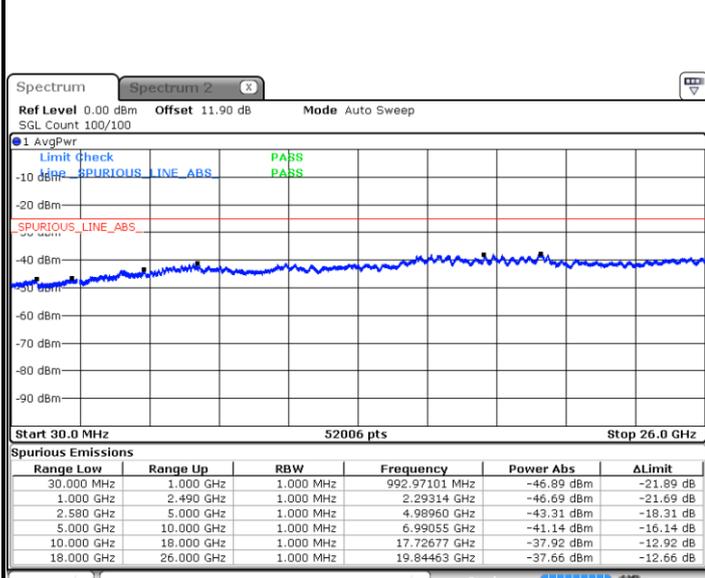
Highest Channel / 16QAM



Date: 14.SEP.2017 13:58:05

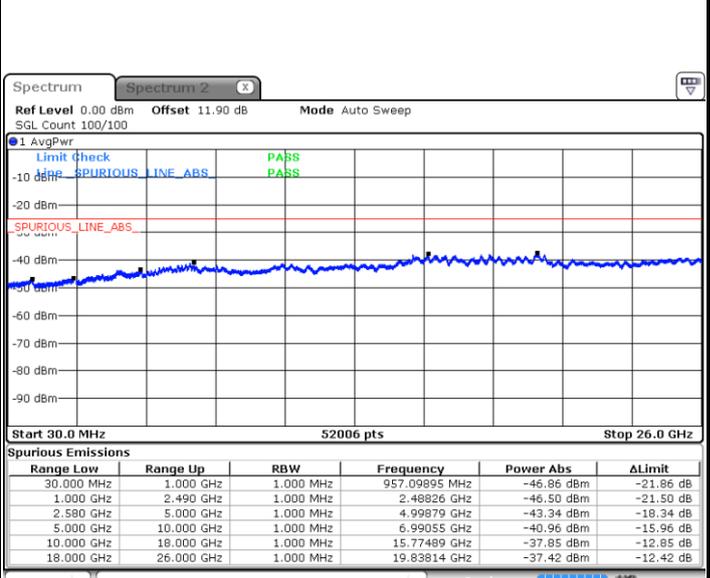
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 14.SEP.2017 14:04:16

Lowest Channel / 16QAM



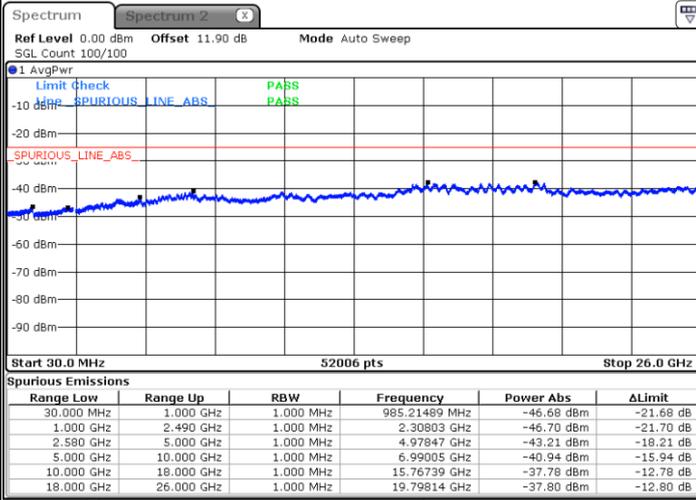
Date: 14.SEP.2017 14:05:09



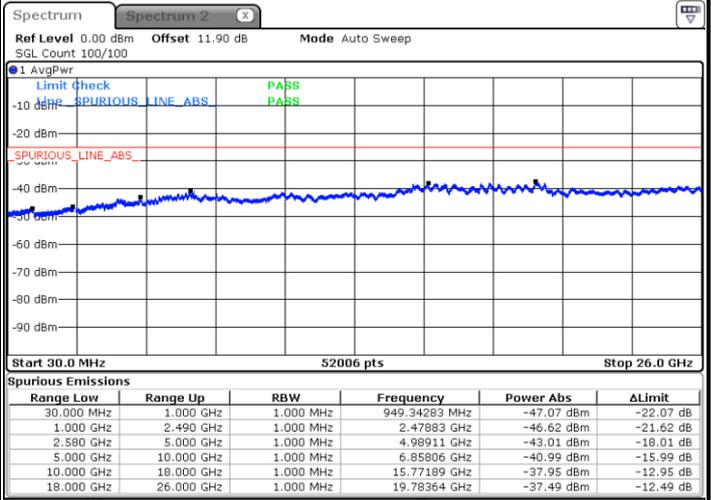
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



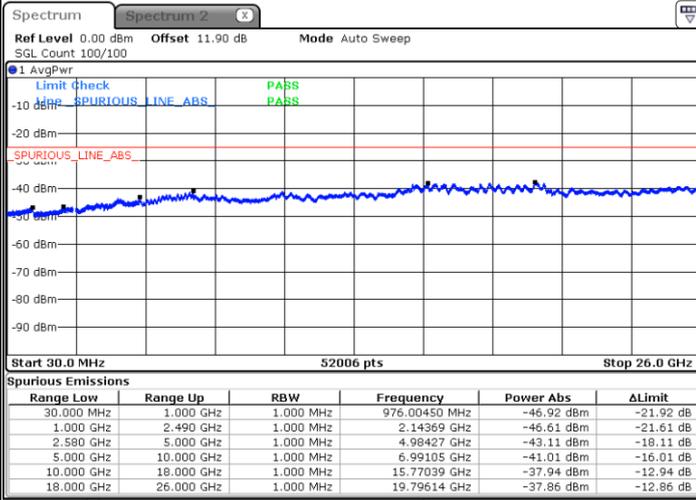
Date: 14.SEP.2017 14:06:42



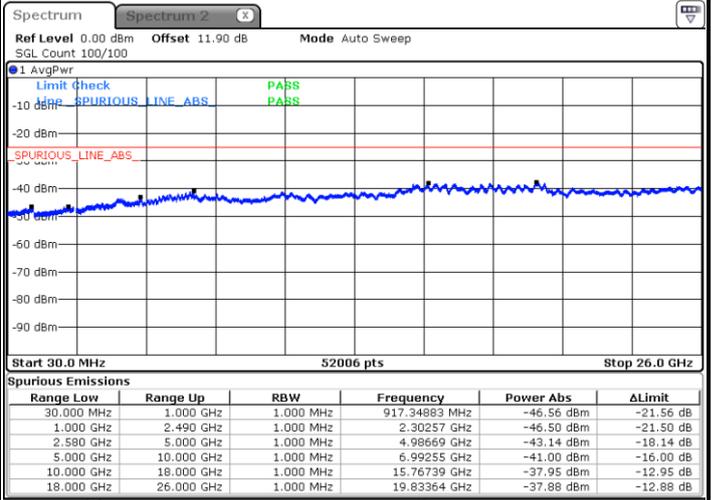
Date: 14.SEP.2017 14:07:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.SEP.2017 14:13:46



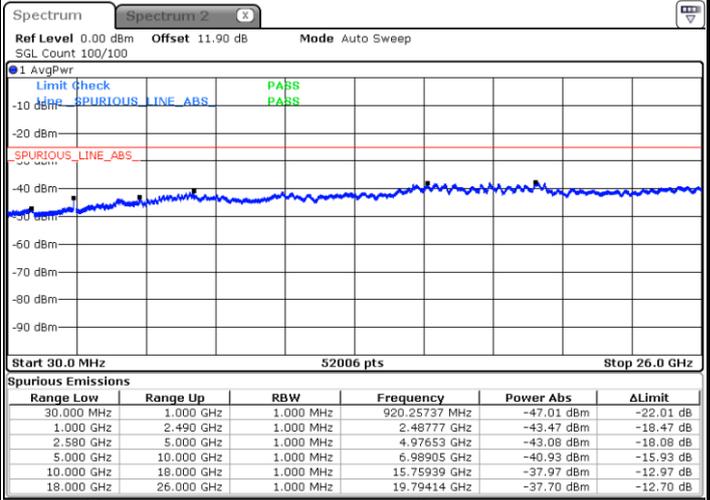
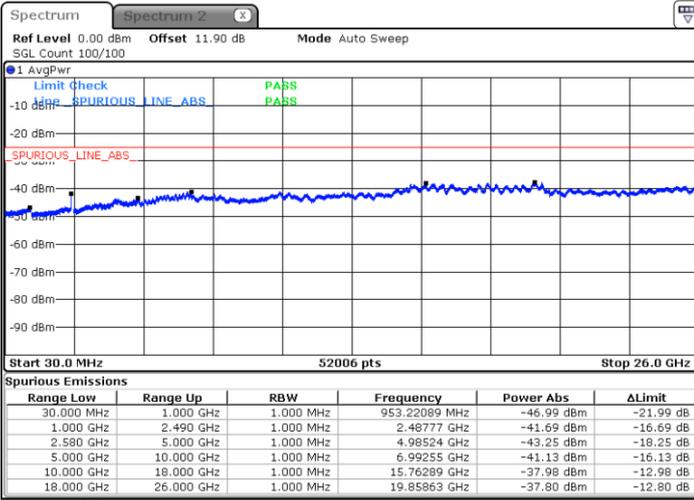
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LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

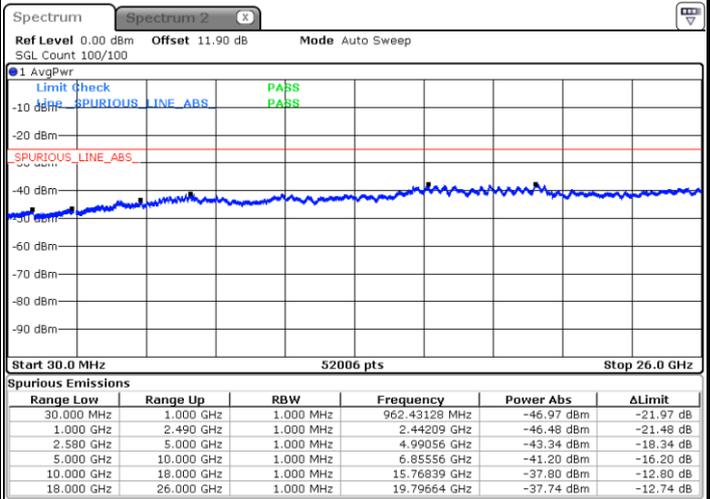
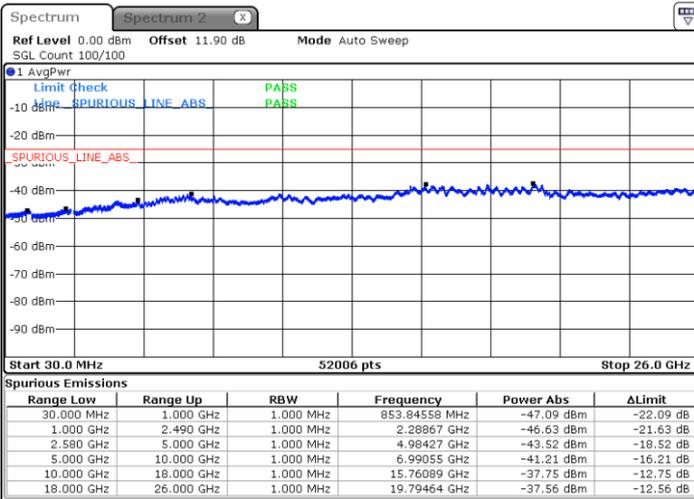


Date: 14.SEP.2017 14:20:50

Date: 14.SEP.2017 14:21:43

Middle Channel / QPSK

Middle Channel / 16QAM



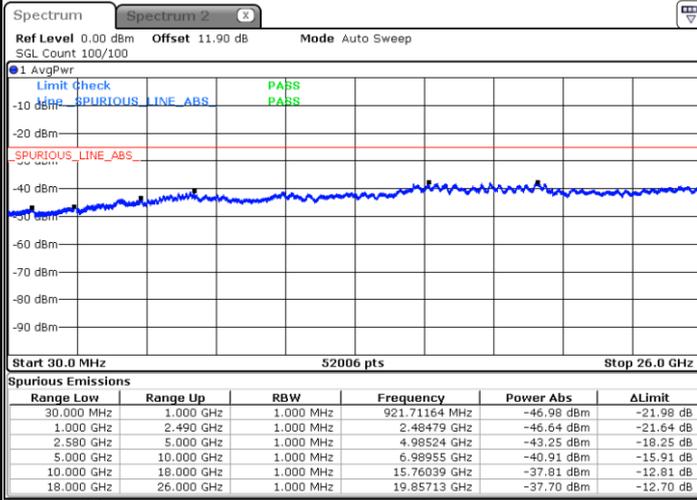
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Date: 14.SEP.2017 14:24:10



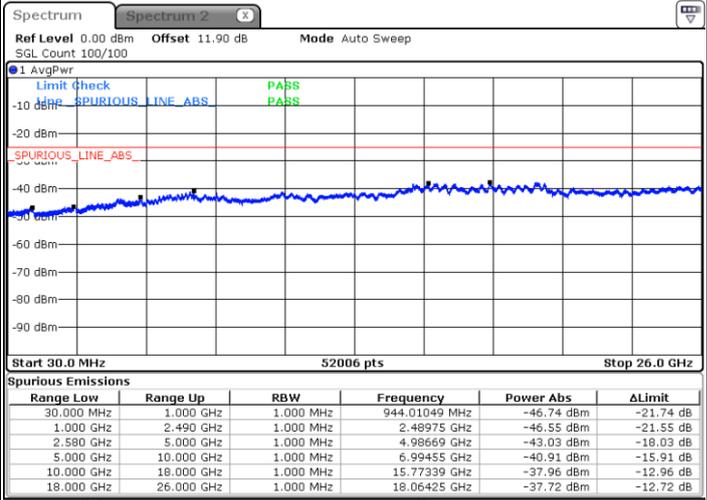
LTE Band7 / 15MHz

Highest Channel / QPSK



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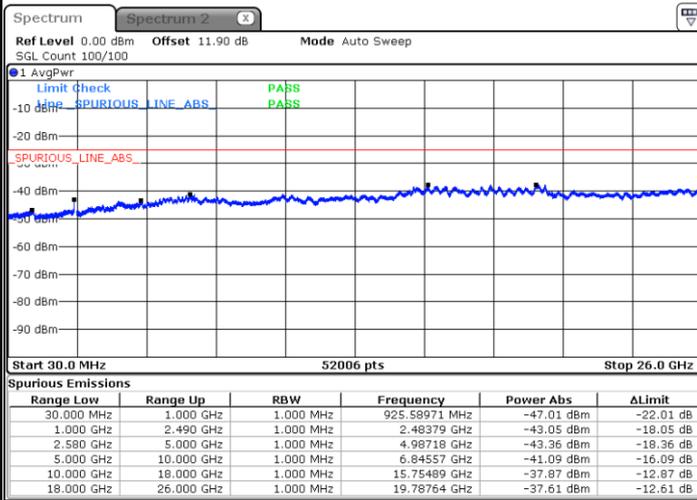
Highest Channel / 16QAM



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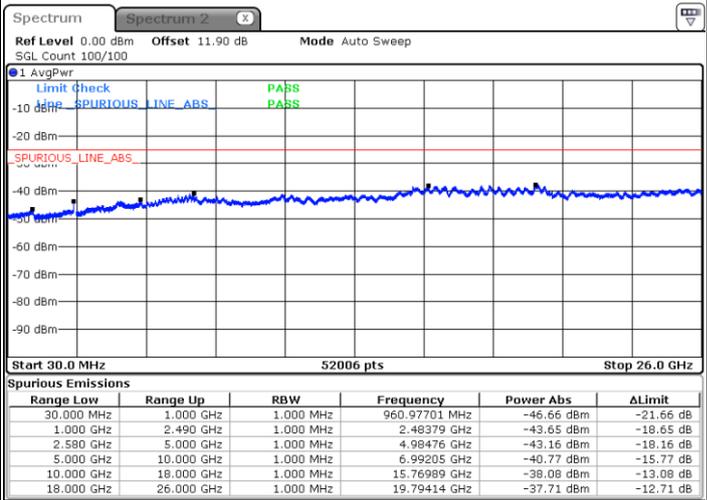
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 14.SEP.2017 14:37:24

Lowest Channel / 16QAM



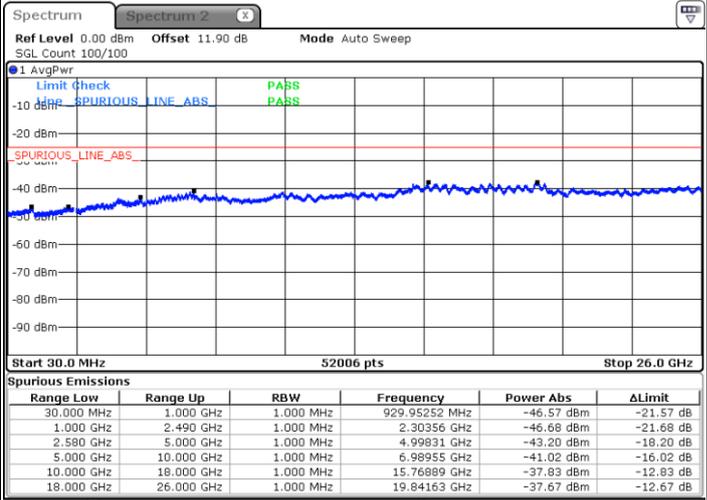
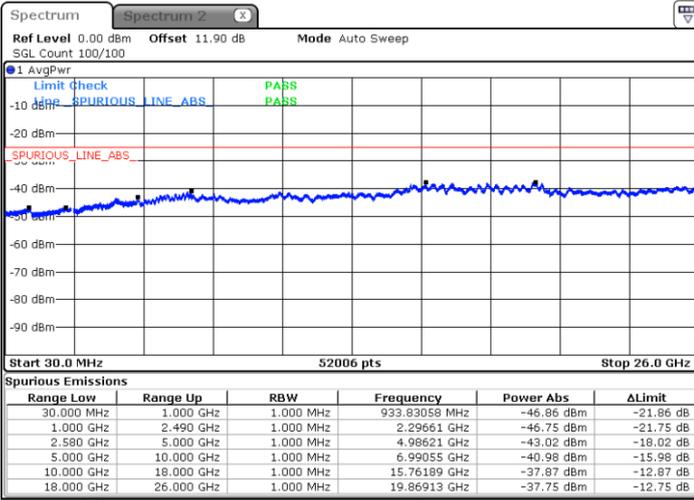
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LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

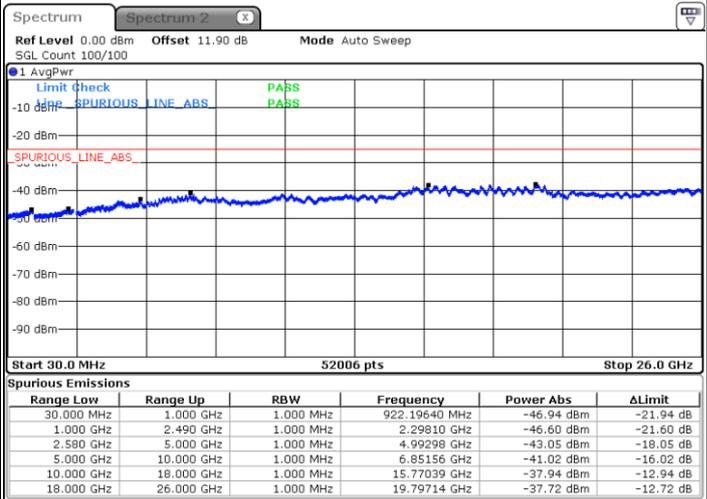
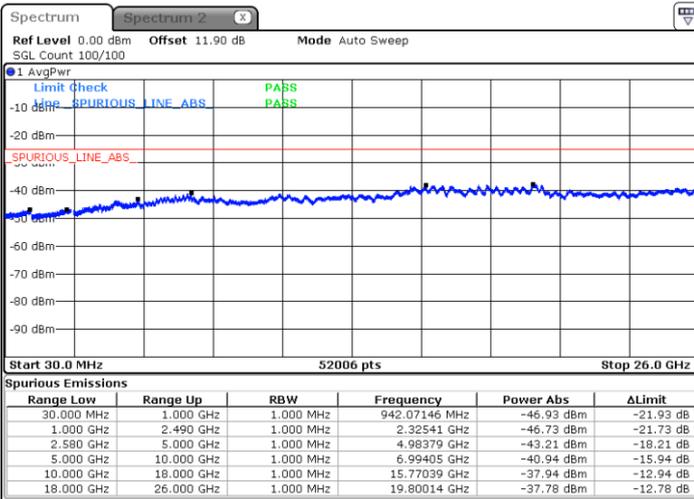


Date: 14.SEP.2017 14:39:50

Date: 14.SEP.2017 14:40:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.SEP.2017 14:46:54

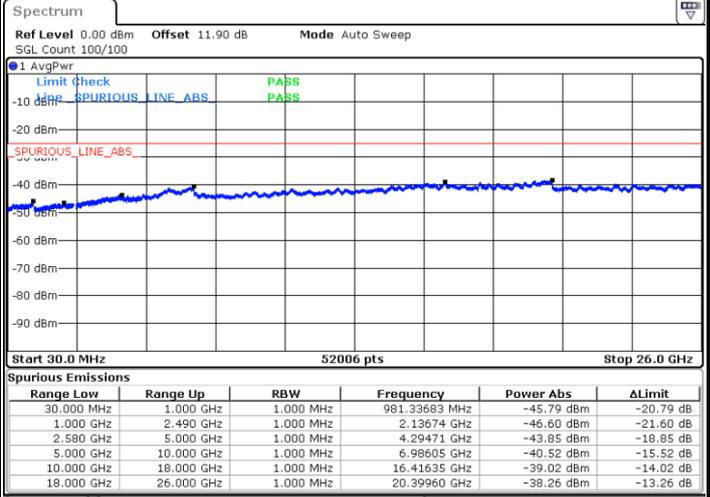
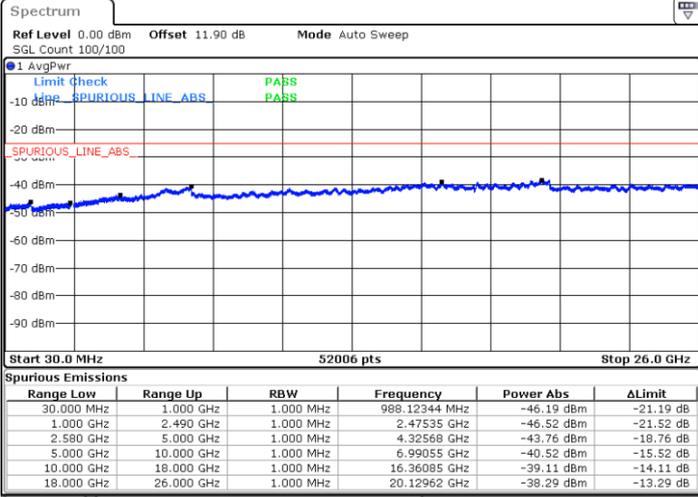
Date: 14.SEP.2017 14:47:47



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

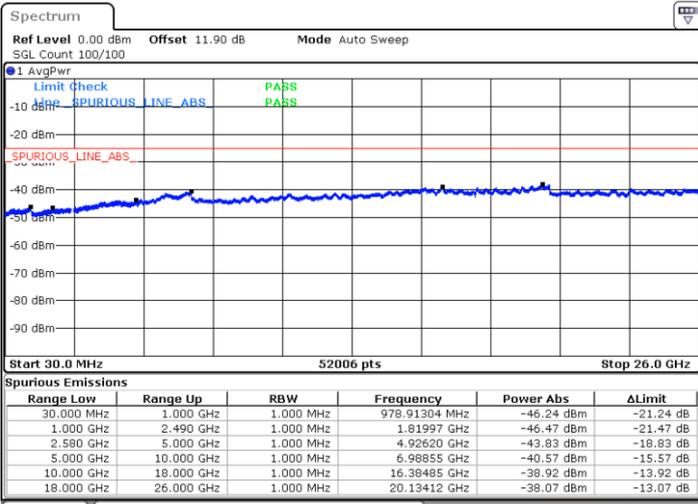
Middle Channel / 64QAM



Date: 29.SEP.2017 10:25:03

Date: 29.SEP.2017 10:26:15

Highest Channel / 64QAM



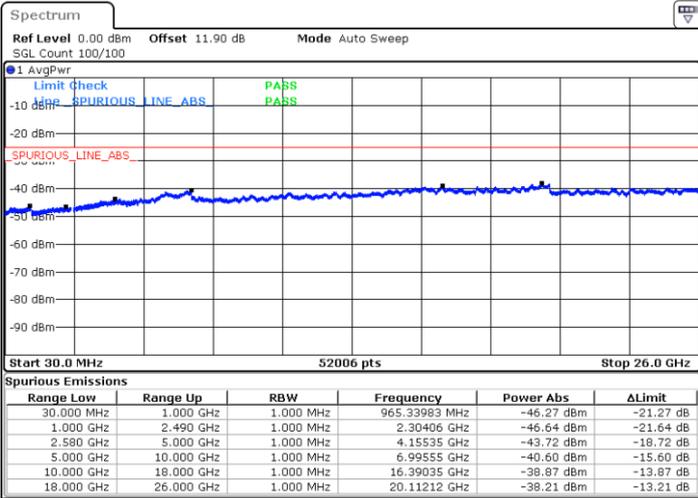
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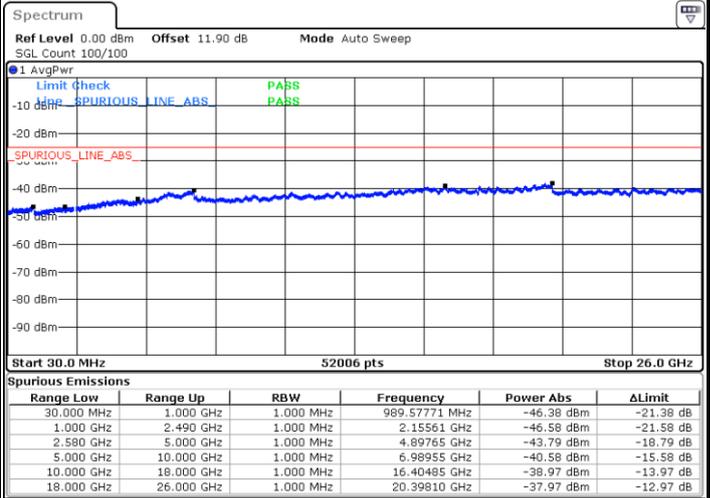
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

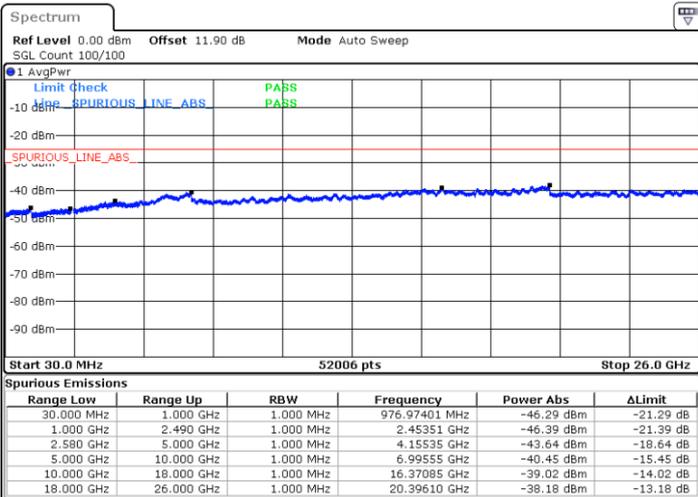


Date: 29.SEP.2017 10:33:13



Date: 29.SEP.2017 10:34:26

Highest Channel / 64QAM



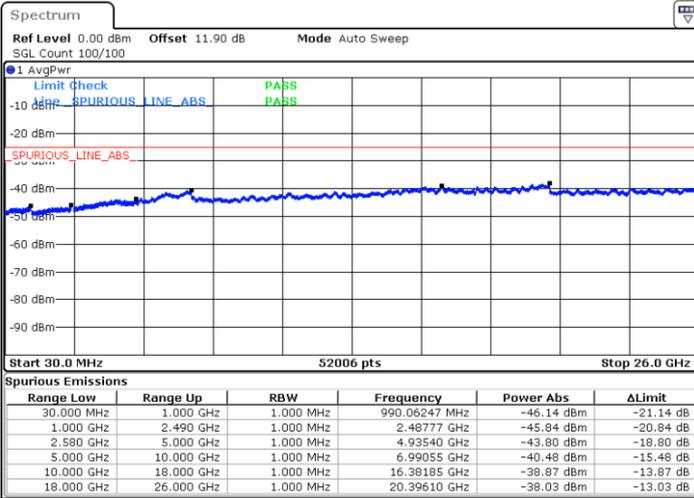
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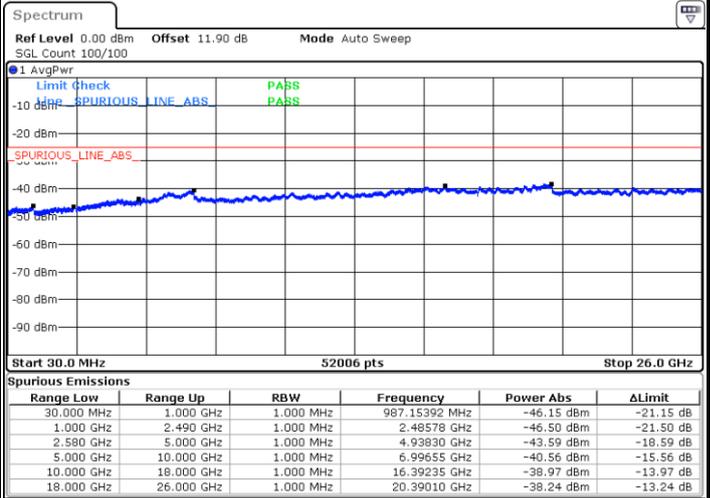
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

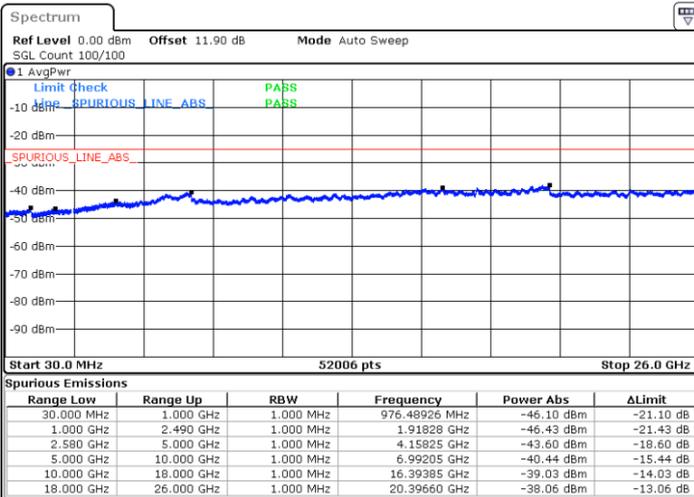


Date: 29.SEP.2017 10:41:24



Date: 29.SEP.2017 10:42:37

Highest Channel / 64QAM



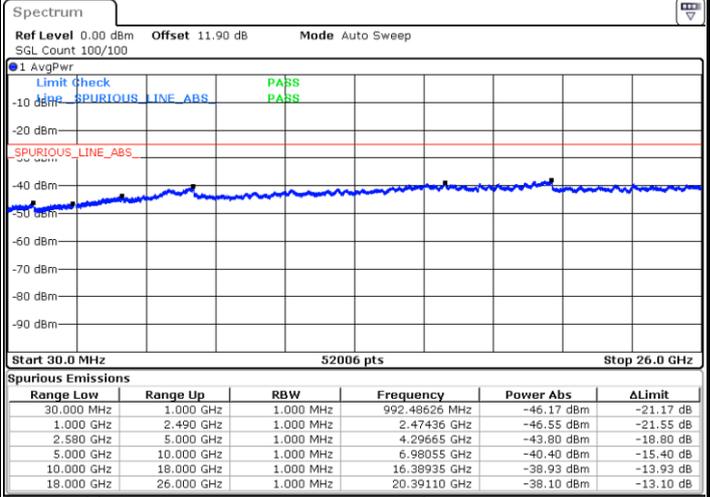
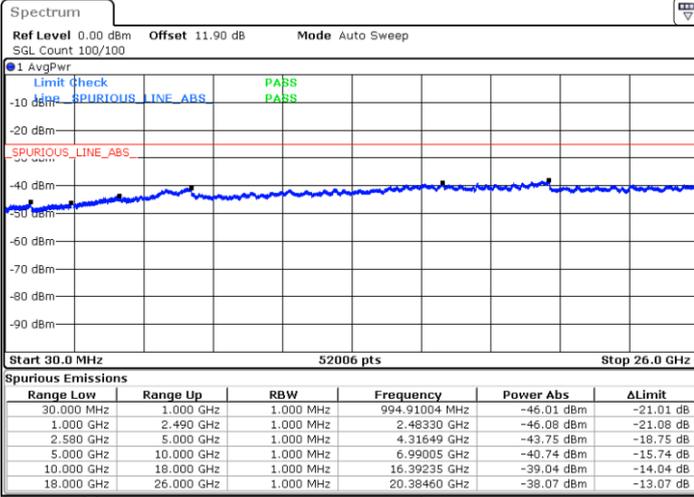
Date: 29.SEP.2017 10:46:06



LTE Band 7 / 20MHz

Lowest Channel / 64QAM

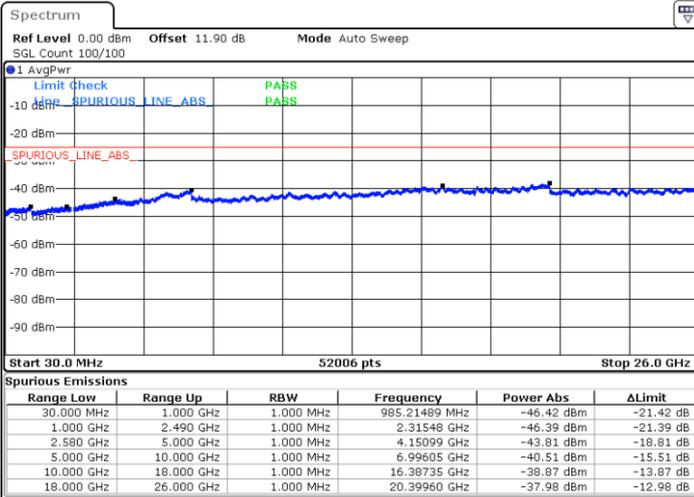
Middle Channel / 64QAM



Date: 29.SEP.2017 10:49:35

Date: 29.SEP.2017 10:50:47

Highest Channel / 64QAM



Date: 29.SEP.2017 10:54:16



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	0.0090	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0090	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0083	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 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	4.23	5.16	5.25	5.97	PASS
Middle CH	4.46	4.87	5.45	5.88	
Highest CH	4.43	4.96	4.93	5.8	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.12	6.38	-	-	PASS
Middle CH	6.49	6.23	-	-	
Highest CH	6.23	6.41	-	-	